Yahoo Group Archive: ham-antennas (2008)

These Yahoo Groups messages were archived in WARC format by ArchiveTeam in 2017. This PDF was generated by Digital Library of Amateur Radio & Communications from the WARC files in 2026.

Date span: 2008-01-01 through 2008-12-31

Source WARC: ham-antennas.8xIDMtO.warc.gz

Source item: https://archive.org/details/yahoo-groups-2017-05-18T18-10-39Z-37f463

Messages included in this PDF: 3854

Message records with no body available in the source archive: 1

Messages omitted as spam from this PDF: 10

Yahoo replaced the domain portions of email addresses with @... in the archived messages. Characters lost in Yahoo's archived text appear as ?.

Messages are presented in ascending Yahoo message-ID order. Gaps indicate records absent from the source WARC or messages omitted from this PDF as spam.

3605. Will It Work

Yahoo group: ham-antennas (2008)
Date: 2008-01-01 07:08:46 UTC
From: F5Storm
Topic: 3605 Message: 3605

Hi All

To all you antenna guru, because I have very bad earthing problem [the only way it could be worse if it was solid rock] and I only have 19Meters by 8Meters to put up an antenna for HF this rules using radials for a vertical

I was thinking of putting up a 46' dipole and center feeding with a 4: balun and using a LDG Antenna tuner, 23' is one of the optimum length or random wire antenna so instead of earthing one side of the balun I use anther 23'of wire

Do you think it will work?

73

Vars

3606. Re:home-brew in trailer park

Yahoo group: ham-antennas (2008)
Date: 2008-01-01 13:20:14 UTC
From: Bill Hummer N9VR
Topic: 3592 Message: 3606

I posted the JPG in the Files section Charlie, a dipole for a mobile home.

[Non-text portions of this message have been removed]

3607. Re: [ham-antennas] Will It Work

Yahoo group: ham-antennas (2008)
Date: 2008-01-02 05:06:18 UTC
From: Dave Oldridge
Topic: 3605 Message: 3607

On 1 Jan 2008 at 7:08, F5Storm wrote:

> Hi All
>
> To all you antenna guru, because I have very bad earthing
> problem [the
> only way it could be worse if it was solid rock] and I only have
> 19Meters by 8Meters to put up an antenna for HF this rules using
> radials for a vertical
>
> I was thinking of putting up a 46' dipole and center feeding
> with a 4:
> balun and using a LDG Antenna tuner, 23' is one of the optimum
> length
> or random wire antenna so instead of earthing one side of the
> balun I
> use anther 23'of wire
>
> Do you think it will work?

The SWR would be awfully high on 80 or 160, but the tuner should
handle it OK in 40-6m.

--

Dave Oldridge
ICQ 1800667
VA7CZ

3608. Flag pole

Yahoo group: ham-antennas (2008)
Date: 2008-01-05 03:12:56 UTC
From: ghostkasper
Topic: 3608 Message: 3608

I am planning to put up a twenty foot flag pole antenna in my yard (Force 12). I am thinking
of running a forty foot wire from the top of the pole to the peak of the second story of my house. The wire will be running East to West.

My question is: what kind of radiation pattern can I expect and should I still plant a radial
field?

Come on experts, give me some input. I need help to fool the CC&R police.

Thanks;
Ken, N7GH

3609. Re: home-brew in trailer park

Yahoo group: ham-antennas (2008)
Date: 2008-01-06 14:58:41 UTC
From: Kuby
Topic: 3592 Message: 3609

A way a friend got around a restrictive trailer park (no ant's) in Orange Co CA beach area - it was to install a flag pole.

The unique items was the flag pole was a used/cracked fiberglass mast off a sail boat - FREE for the hauling - (the hardest part was he had to cut it in half to transport then sleeve to repair). The mast is hollow core - perfect for a 80m (plus 160 coil) vertical multi-band. There was even enough room at the top to install a dual band 2m/440 J. Installed a ground rod at the bottom of the hole , PVC'ed the two coax cables from the cement base and planted the whole thing in cement.

Never had a weathering problem and as far as I know he's still using both - no one is the wiser. His +40' tri-head flag pole is the highlight of the park - sporting a USA, CA, Vietnam Vet flags. On game day he hoists a Green Bay Packer flag. This old jarhead even hoists USN signal flags making a game for all to figure them out. After some gun fire in the near area he hoisted a red burgee (dangerous evolution taking place) with two black balls flags (restricted navigation) for three days - the authorities were not to happy about that but the sailing community laughed (and ducked).

--- In ham-antennas@yahoogroups.com, "pillsbury_dough_biker" <littlepaper@...> wrote:
>
> Short of space here and have been wondering what would happen if I put
> a 30' pole at the center of the end of my 14'X65'mobile home and ran a
> dipole from that to the oposite end of the house to 15' poles at the
> corners. It would be an inverted vee with both ends pointing close to
> the same direction. I would be able to get 132' a 1/2 wave of wire in
> the sky that way or would I be better off with a 1/4 wave starting in
> the middle of the house and running to both ends?
> I would like to work all bands and have a Kenwood AT 230 tuner on a
> Kenwood TS530S tranceiver. Had my Tech for 7 years and am taking the
> General in February. Live here in North Dakota so am waiting for 60
> below with howling winds as I have heard that antennas installed in
> that weather work the best.... hi hi Thanks,
> Charlie
> KCØBXC
>

3610. Re: [ham-antennas] Re: home-brew in trailer park

Yahoo group: ham-antennas (2008)
Date: 2008-01-06 16:01:46 UTC
From: QRP_1@juno.com
Topic: 3592 Message: 3610

Another approach to getting on HF from a trailer park can be found at www.n8tw.com Ted has a stealth longwire on the outside of his mobile home and works all bands with it. He just used an insulated wire the same color of his mobile home and runs it around the perimeter and into the shack to an MFJ-986 tuner.

Another approach to the flagpole antenna would be to get one of the 31' telescopic fiberglas poles from Jackite - www.jackite.com and run a #14 wire up through the center and use an autotuner at the base such as the Icom AH-4. A friend of mine has done this and even uses one on his pontoon boat for 10 thru 80 meter operation. I use one for portable operations with my Icom 703 and its built in autotuner, but the 703's tuner requires the use of a unun to allow it to tune a wire on several bands. Info for theunun for the 703 can be found on my website at: www.angelfire.com/electronic2/qrp/unun.html

Rick McKee, KC8AON, Ohio - www.angelfire.com/electronic2/qrp
Monthly QRP Field Day Group - http://groups.yahoo.com/group/MQFD/
With God all things are possible <><

3611. Zenith/Electronics books

Yahoo group: ham-antennas (2008)
Date: 2008-01-07 23:45:13 UTC
From: mitchnozka
Topic: 3611 Message: 3611

Hello,

I am selling my remaining Zenith Heathkit and electronics books. I could really use the money as well as clean out the house.

I have lowered the prices to $2.50 each for the Zenith Heathkit books. The general electronics books are $1 unless marked.

Please email me for more information.

Thank you!

Mitch

ZENITH HEATHKIT
-(qty 4) AC Electronics - Student Workbook - 1987 - EB-6102-41
-(qty 11) Advanced Microprocessors - Book 1 - 1987 - EB-8088
-(qty 10) Digital Techniques - Lab Experiments - 1987 - EB-6201-71
-(qty 9) Digital Techniques - Book 2 - 1987 - EB6201-A
-(qty 2) Digital Techniques - Student Workbook - 1987 - EB6201-41
-(qty 9) Electronic Circuits - Student Workbook - 1986 - EB-6104-41
-(qty 8) Electronic Test Equipment - Book 2 - 1986 - EB-6105
-(qty 6) Semiconductor Devices - Student Workbook - 1986 - EB6103-41
-(several) Electronic Test Equipment Student Workbook

All About Home Satellite Television - Cook, Vaughan - 1983
Basic Electricity - Bureau of Naval Personnel - 1969 - $10.00
Basic Electronics: Instructor's Manual and Transparency Masters - Grob - 1992
(qty 3) Basic Mathematics for Electricity and Electronics - Bertrand Singer - 1972
Boys' First Book of Radio and Electronics - Morgan - 1963 - $10
*(qty 7) Digital - Systems, Logic and Applications - Adamson - 1989
Electricity - Fundamental Concepts and Applications - Maloney - 1992
Electronic Components Handbook for Circuit Designers - Warring - 1983
(qty 2) Electricity-Electronics Fundamentals - Text-Lab Manual - Zbar, Sloop - 1986
*(qty 3) Electronics Fundamentals - Circuits, Devices, and Applications - Floyd - 2001
(qty 14) Experiments in Digital Principles - Leach - 1976
(qty 12) Mathematics for Basic Electronics - Grob - 1986
I Speak Basic to my Commodore64 - Jones - 1984
McGraw-Hill Encyclopedia of Electronics and Computers - Parker - 1984
Pascal - Heiserman - 1980
The Personal Computer: Operating, Troubleshooting, and Upgrading - Awwad - 1998
Physical Science Electricity and Magnetism - 1992

The RF Capacitor Handbook - American Technical Ceramics - 1994
(qty 13) Smart House Wiring - Stauffer, Mullin - 1993
Software Goes to School - Perkins, Schwartz - 1995
(qty 12) Solid-State Electronics - Tedeschi, Taber - 1976
Special Functions Databook - National Semiconductor - 1979
Spotlight on Computer Literacy - Richman - 1982
Structuring Programs in Microsoft Basic - Cox, Sullivan - 1986
*(qty 8) Technical Mathematics - Robert Smith - 1996
Telecommunication Cable Installer Technician - Student Manual - McGrawHill - 2002
Today's Electronic Office - Teacher's Ed. - Fruehling, Weaver - 1992
Understanding By Design - Wiggins, McTighe - 1998
Understanding by Design Handbook - McTighe, Wiggins - 1999

3612. Antenna Radial Question

Yahoo group: ham-antennas (2008)
Date: 2008-01-08 16:38:26 UTC
From: Greg DeChant
Topic: 3612 Message: 3612

I'm a newbie to all of this, so I appreciate any and all help as well as I know these questions have probably been covered else ware in the group, so I apologize for asking again.

I have a Hustler 6BTV vertical that is mounted in a very small space. At least a small space to run full length radials, in all directions, at the top band for the antenna. (80 Meters). Even with bending them around I eventually end up with them all in one direction and parallel to each other. Is this ok, or should I consider another method of running the radials away from the base of the antenna.

I chose this mounting spot because everything else was located close to our house, which is covered in aluminum siding and the many large trees, which are not transplantable. At least not transplantable within our budget.

If you like, I could draw a diagram of the mounting location and the space their in and upload it to the files section. If that would help the group to see what a tight spot I'm in.

3613. Re: Antenna Radial Question

Yahoo group: ham-antennas (2008)
Date: 2008-01-08 18:27:39 UTC
From: gw1sxn47
Topic: 3612 Message: 3613

-HI I saw a picture of a friend of mine homebrew vertical and what he
did was to spiral his radial it looked real neat and he said it worked
great. also seemed to take up less space,
If you try it let me know if it works for you
patrick gw1sxn

-- In ham-antennas@yahoogroups.com, "Greg DeChant" <gcdechant@...> wrote:
>
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>

3614. Re: [ham-antennas] Antenna Radial Question

Yahoo group: ham-antennas (2008)
Date: 2008-01-08 23:17:20 UTC
From: Gene Gabry
Topic: 3612 Message: 3614

Greg,

I am assuming this vertical is ground mounted. If that is the case, if you have enough room to lay out a bunch of radials that are the length of the antenna, that is all you will need. You can even bend those around if you have to. You will not need 1/4 wave radials for each band if ground mounted.

GL, Gene N9TF
--- Greg DeChant <gcdechant@...> wrote:

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> all help as well
> as I know these questions have probably been covered
> else ware in the
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>

>
>
>

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3615. Re: [ham-antennas] Re: Antenna Radial Question

Yahoo group: ham-antennas (2008)
Date: 2008-01-08 23:25:17 UTC
From: Greg DeChant
Topic: 3612 Message: 3615

Thanks for the idea Patrick. Unfortunately, what I would call the back of the antenna mount is close to our wooden deck, for protection from the kids in our neighborhood that run through our yard and I don't think it is feasible?

I guess snaking them in some way is the only choice I have. But the way I would have to do it is probably going to produce a weird radial radiation pattern. Since the suggested method is to lay them out in some kind of a semi circle around the base of the antenna and that is not possible???

73, Greg

----- Original Message -----
From: gw1sxn47
To: ham-antennas@yahoogroups.com
Sent: Tuesday, January 08, 2008 1:27 PM
Subject: [ham-antennas] Re: Antenna Radial Question

-HI I saw a picture of a friend of mine homebrew vertical and what he
did was to spiral his radial it looked real neat and he said it worked
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patrick gw1sxn

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> I chose this mounting spot because everything else was located
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Checked by AVG Free Edition.
Version: 7.5.516 / Virus Database: 269.17.13/1213 - Release Date: 1/7/2008 9:14 AM

[Non-text portions of this message have been removed]

3616. Re: [ham-antennas] Antenna Radial Question

Yahoo group: ham-antennas (2008)
Date: 2008-01-09 00:23:36 UTC
From: Greg DeChant
Topic: 3612 Message: 3616

Hi Gene!

Yes it is ground mounted. Sorry I didn't mention that in my original post. The bigets problem, in addition to mounting it in a cramped space, is not being able to put down radials in a 360degree circle around the base of the antenna.

I would imagine that putting as many radials around the base in any direaction I can is better than having none?

73,
Greg, W8GCD

----- Original Message -----
From: Gene Gabry
To: ham-antennas@yahoogroups.com
Sent: Tuesday, January 08, 2008 6:17 PM
Subject: Re: [ham-antennas] Antenna Radial Question

Greg,

I am assuming this vertical is ground mounted. If that
is the case, if you have enough room to lay out a
bunch of radials that are the length of the antenna,
that is all you will need. You can even bend those
around if you have to. You will not need 1/4 wave
radials for each band if ground mounted.

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[Non-text portions of this message have been removed]

3617. Re: [ham-antennas] Antenna Radial Question

Yahoo group: ham-antennas (2008)
Date: 2008-01-09 00:34:04 UTC
From: QRP_1@juno.com
Topic: 3612 Message: 3617

I would imagine that putting as many radials around the base in any direaction I can is better than having none?[snip]

Now you've answered your own question ! With a ground mounted vertical, the length of the radials really means nothing as cutting them to 1/4 wavelength only serves to satisfy the mind because radials that are cut to frequency will be detuned when they are laid on the ground anyway. So, just install as many as you can in any way you can - all you are really doing here is increasing the ground conductivity around the base of the vertical which is where the most of the radiation comes from (high current point) and when the ground loss is decreased, antenna efficiency is increased. If you are worried about folks tripping over the radials, just pin them down with wire staples used for anchoring sod grass or you can even make your own staples by using old wire coathangers and cutting the wire into 6 inch lengths and then bend them into a sharp V shape. Lay the radials down and push the staples down over them into the ground to hold the wires flat on the ground. Use several staples along the length of each radial to hold its entire length down. In the spring when the grass grows, the radials will dissapear into the grass.

Rick McKee, KC8AON, Ohio - www.angelfire.com/electronic2/qrp
Monthly QRP Field Day Group - http://groups.yahoo.com/group/MQFD/
With God all things are possible <><

3618. Re: [ham-antennas] Re: Antenna Radial Question

Yahoo group: ham-antennas (2008)
Date: 2008-01-09 02:44:38 UTC
From: Stan Kozlowitz
Topic: 3612 Message: 3618

Greg, radials used for the return current, i.e., antenna current, should not be layed out in concentric rings. Radials should be "radial". Out from the feedpoint like the spokes of a bicycle, never in a circle around the feedpoint. Wires going in a circular fashion connecting the spokes do nothing for the antenna current. They may be OK for lighning grounding, but not for antenna current. My reference is W2DU's "Reflections" book.

73,

Stan AA5XO

Greg DeChant <gcdechant@...> wrote:
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----- Original Message -----
From: gw1sxn47
To: ham-antennas@yahoogroups.com
Sent: Tuesday, January 08, 2008 1:27 PM
Subject: [ham-antennas] Re: Antenna Radial Question

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[Non-text portions of this message have been removed]

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3619. Loading Coils

Yahoo group: ham-antennas (2008)
Date: 2008-01-09 03:00:32 UTC
From: Russ N3TIH
Topic: 3619 Message: 3619

Hi All
Im curious if anyone has a stand alone loading coil program for hf antennii. i want to make load coils for my stainless steel 102" whip for 80/40/20 meters.

Russ N3TIH

[Non-text portions of this message have been removed]

3620. Re: [ham-antennas] Re: Antenna Radial Question

Yahoo group: ham-antennas (2008)
Date: 2008-01-09 16:36:28 UTC
From: Greg DeChant
Topic: 3612 Message: 3620

Hi Stan!

My problem is I am not able to run my radials out from the antenna feedpoint like the bicycle spokes as you mentioned. I unfortuniately had to mount it where the is 0ft 12ft 12ft and 20ft of room on either side of the feedpoint. I am open to any and all suggestions as to how to properly run radials in this small space.

73,
Greg, W8GCD

----- Original Message -----
From: Stan Kozlowitz
To: ham-antennas@yahoogroups.com
Sent: Tuesday, January 08, 2008 9:44 PM
Subject: Re: [ham-antennas] Re: Antenna Radial Question

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To: ham-antennas@yahoogroups.com
Sent: Tuesday, January 08, 2008 1:27 PM
Subject: [ham-antennas] Re: Antenna Radial Question

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[Non-text portions of this message have been removed]

3621. Re: [ham-antennas] Re: Antenna Radial Question

Yahoo group: ham-antennas (2008)
Date: 2008-01-09 18:18:11 UTC
From: Gene Gabry
Topic: 3612 Message: 3621

Hi Greg,

Although your in a tight spot there, lay down as many
of any length of radials that will fit, the more the
better. You just need to improve ground conductivity.
Lots of short radials will be better than none at all.
Just put down what you have room for, and then enjoy
the bands!

Gene, N9TF
--- Greg DeChant <gcdechant@...> wrote:

> Hi Stan!
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> as you mentioned. I unfortuniately had to mount it
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> either side of the feedpoint. I am open to any and
> all suggestions as to how to properly run radials in
> this small space.
>
> 73,
> Greg, W8GCD
>
> ----- Original Message -----
> From: Stan Kozlowitz
> To: ham-antennas@yahoogroups.com
> Sent: Tuesday, January 08, 2008 9:44 PM
> Subject: Re: [ham-antennas] Re: Antenna Radial
> Question
>
>
> Greg, radials used for the return current, i.e.,
> antenna current, should not be layed out in
> concentric rings. Radials should be "radial". Out
> from the feedpoint like the spokes of a bicycle,
> never in a circle around the feedpoint. Wires going
> in a circular fashion connecting the spokes do
> nothing for the antenna current. They may be OK for
> lighning grounding, but not for antenna current. My
> reference is W2DU's "Reflections" book.
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> 73,
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> Stan AA5XO

>
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> pattern. Since the suggested method is to lay them
> out in some kind of a semi circle around the base of
> the antenna and that is not possible???
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> 73, Greg
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> ----- Original Message -----
> From: gw1sxn47
> To: ham-antennas@yahoogroups.com
> Sent: Tuesday, January 08, 2008 1:27 PM
> Subject: [ham-antennas] Re: Antenna Radial
> Question
>
> -HI I saw a picture of a friend of mine homebrew
> vertical and what he
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> great. also seemed to take up less space,
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3622. Re: [ham-antennas] Re: Antenna Radial Question

Yahoo group: ham-antennas (2008)
Date: 2008-01-09 18:52:35 UTC
From: Stan Kozlowitz
Topic: 3612 Message: 3622

Gene, You are right. And Greg: I don't think the problem is as bad as you may think. The antenna is only 24 ft tall so your ground radial system doesn't need to be as extensive as a full size monopole antenna. In fact, in looking over the 6BTV instruction manual provided by DX Engineering, you may not even need radials at all.

Put out what you can as Gene suggested. You should do fine.

73,

Stan AA5XO

Gene Gabry <gene_n9tf@...> wrote: Hi Greg,

Although your in a tight spot there, lay down as many
of any length of radials that will fit, the more the
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> From: Stan Kozlowitz
> To: ham-antennas@yahoogroups.com
> Sent: Tuesday, January 08, 2008 9:44 PM
> Subject: Re: [ham-antennas] Re: Antenna Radial
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> ----- Original Message -----
> From: gw1sxn47
> To: ham-antennas@yahoogroups.com
> Sent: Tuesday, January 08, 2008 1:27 PM
> Subject: [ham-antennas] Re: Antenna Radial
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> [Non-text portions of this message have been
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[Non-text portions of this message have been removed]

3623. Re: [ham-antennas] Re: Antenna Radial Question

Yahoo group: ham-antennas (2008)
Date: 2008-01-09 20:21:01 UTC
From: W8OKN
Topic: 3612 Message: 3623

Most of the current and losses are right at the base.
--
From the desk of W8OKN, northern Michigan

---- Gene Gabry <gene_n9tf@...> wrote:

==========
Hi Greg,

Although your in a tight spot there, lay down as many
of any length of radials that will fit, the more the
better. You just need to improve ground conductivity.
Lots of short radials will be better than none at all.
Just put down what you have room for, and then enjoy
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Gene, N9TF
--- Greg DeChant <gcdechant@...> wrote:

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> Greg, W8GCD
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> From: Stan Kozlowitz
> To: ham-antennas@yahoogroups.com
> Sent: Tuesday, January 08, 2008 9:44 PM
> Subject: Re: [ham-antennas] Re: Antenna Radial
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> From: gw1sxn47
> To: ham-antennas@yahoogroups.com
> Sent: Tuesday, January 08, 2008 1:27 PM
> Subject: [ham-antennas] Re: Antenna Radial
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> -HI I saw a picture of a friend of mine homebrew
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> If you try it let me know if it works for you
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3624. Re: [ham-antennas] Re: Antenna Radial Question

Yahoo group: ham-antennas (2008)
Date: 2008-01-09 20:59:01 UTC
From: Greg DeChant
Topic: 3612 Message: 3624

Hi Stan and Gene!

Thanks for the follow up information. I'll put it to good use and let you know how things work out.

73,
Greg,W8GCD

----- Original Message -----
From: Stan Kozlowitz
To: ham-antennas@yahoogroups.com
Sent: Wednesday, January 09, 2008 1:52 PM
Subject: Re: [ham-antennas] Re: Antenna Radial Question

Gene, You are right. And Greg: I don't think the problem is as bad as you may think. The antenna is only 24 ft tall so your ground radial system doesn't need to be as extensive as a full size monopole antenna. In fact, in looking over the 6BTV instruction manual provided by DX Engineering, you may not even need radials at all.

Put out what you can as Gene suggested. You should do fine.

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> Sent: Tuesday, January 08, 2008 9:44 PM
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> From: gw1sxn47
> To: ham-antennas@yahoogroups.com
> Sent: Tuesday, January 08, 2008 1:27 PM
> Subject: [ham-antennas] Re: Antenna Radial
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[Non-text portions of this message have been removed]

3625. Re: [ham-antennas] Re: Antenna Radial Question

Yahoo group: ham-antennas (2008)
Date: 2008-01-10 08:11:28 UTC
From: N9WB
Topic: 3612 Message: 3625

While this will not hurt anything, It will not help either.
The wire would be more effective used for more radials as ispointed out
below.

Vy 73, Walt N9WB

----- Original Message -----
From: Stan Kozlowitz
To: ham-antennas@yahoogroups.com
Sent: Tuesday, January 08, 2008 9:44 PM
Subject: Re: [ham-antennas] Re: Antenna Radial Question

Greg, radials used for the return current, i.e., antenna current, should not
be layed out in concentric rings. Radials should be "radial". Out from the
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From: gw1sxn47
To: ham-antennas@yahoogroups.com
Sent: Tuesday, January 08, 2008 1:27 PM
Subject: [ham-antennas] Re: Antenna Radial Question

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3626. Re: Loading Coils

Yahoo group: ham-antennas (2008)
Date: 2008-01-10 16:40:20 UTC
From: Doug
Topic: 3619 Message: 3626

Hi Russ,

There's a lengthy list of antenna calculator programs written by G4FGQ on this page:

http://www.zerobeat.net/G4FGQ/page3.html#S301%22

Scroll down the list and look for one called LOADCOIL

Bookmark that list, there's some very useful programs there.

I've used LOADCOIL before and it worked very well. Winding the coil to the calculated specs put me right in the ballpark when I made a 40m loading coil for a 10 ft portable vertical.

Have fun

Doug N8EPE

--- In ham-antennas@yahoogroups.com, "Russ N3TIH" <redman97@...> wrote:
>
> Hi All
> Im curious if anyone has a stand alone loading coil program for hf antennii. i want to make load coils for my stainless steel 102" whip for 80/40/20 meters.
>
> Russ N3TIH
>
> [Non-text portions of this message have been removed]
>

3627. Small footprint HF beam?

Yahoo group: ham-antennas (2008)
Date: 2008-01-11 14:12:29 UTC
From: aml_stl
Topic: 3627 Message: 3627

Hi all, just starting my quest for a good HF beam for tripod mounting on the top of my home using a 6' pole for the antenna. Roof is about 21 feet above ground level.

The smaller the footprint the better (due to the tripod mount) but would like to have 40, 20, 15 and 10. I'll probably have to do without 40, but I could live with that...

I was looking at the MAB5, but would appreciate other suggestions.

Thanks.

AML

3628. Re: Small footprint HF beam?

Yahoo group: ham-antennas (2008)
Date: 2008-01-11 14:33:35 UTC
From: Rick
Topic: 3627 Message: 3628

--- In ham-antennas@yahoogroups.com, "aml_stl" <aml_stl@...> wrote:
>
> Hi all, just starting my quest for a good HF beam for tripod
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> on the top of my home using a 6' pole for the antenna. Roof is about
> 21 feet above ground level.
>
> The smaller the footprint the better (due to the tripod mount) but
> would like to have 40, 20, 15 and 10. I'll probably have to do
> without 40, but I could live with that...
>
> I was looking at the MAB5, but would appreciate other suggestions.
>
> Thanks.
>
> AML
>

In the past I used a 2 element tri band yagi mounted at 35 feet. It
worked as well as could be expected. It was a 3 element when I bought
it. I wanted a shorter boom so the yagi would not hang over my
neigbours driveway. So I used the reflector and the driven elements at
the same spacing they originally were on the 3 element yagi.
SWR was fine, the beam still had some reflecting power and directional.

If you are using a tripod on the roof I doubt you would want to have a
yagi that is capable of 40 meters. You would be better off hanging up
a 40 M dipole.

You need a solid mount for a 3-4-5 element yagi especially if you have
high winds in your area. The last thing you need is a yagi and tripod
getting torn off your roof!

Good Luck
Rick VE3FMC

3629. Re: [ham-antennas] Small footprint HF beam?

Yahoo group: ham-antennas (2008)
Date: 2008-01-11 14:33:46 UTC
From: qrp_1@juno.com
Topic: 3627 Message: 3629

The smaller the footprint the better (due to the tripod mount) but
would like to have 40, 20, 15 and 10. I'll probably have to do
without 40, but I could live with that...

Just build a 44' rotatble dipole from aluminum tubing, center feed it with balanced
feedline and a tuner for 10 thru 40 meter coverage - works great !

Rick
KC8AON

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http://thirdpartyoffers.juno.com/TGL2121/fc/Ioyw6i3m3iTPvyLPy5Lp3sy49HILXzQB5wvn0TX5mcQ0xr
qSvp8iJi/

3630. Re: Small footprint HF beam?

Yahoo group: ham-antennas (2008)
Date: 2008-01-11 21:12:46 UTC
From: Dave
Topic: 3627 Message: 3630

--- In ham-antennas@yahoogroups.com, "aml_stl" <aml_stl@...> wrote:
>
> Hi all, just starting my quest for a good HF beam for tripod mounting
> on the top of my home using a 6' pole for the antenna. Roof is about
> 21 feet above ground level.
>
> The smaller the footprint the better (due to the tripod mount) but
> would like to have 40, 20, 15 and 10. I'll probably have to do
> without 40, but I could live with that...
>
> I was looking at the MAB5, but would appreciate other suggestions.
>
> Thanks.
>
> AML
>

There's a Yahoo group for those who are home-brewing a "hex beam". This is a two-element Yagi, with the elements bent into opposing "W" shapes. Gain is only down 0.5dB from a full sized two element Yagi, but the rotational diameter is approximately half. Construction method is to use fiberglass spreaders and wire, so they are very lightweight and low wind area. Worth homebrewing, but VERY expensive if you buy one from the manufacturer.

Dave W8NF

3631. Re: [ham-antennas] Small footprint HF beam?

Yahoo group: ham-antennas (2008)
Date: 2008-01-11 21:49:00 UTC
From: Gene Gabry
Topic: 3627 Message: 3631

AML,

I might be a tad bit biased, but the MA5B is not a bad choice for your situation. I am a very happy owner of a MA5B for many years. I have operated with other small mini beams in the past such as the HF5B butternut, TH2MK3 Hy-Gain 2 element tribander, and the TH3-Jr by Hy-Gain (when it was Hy-Gain!).

The only one of those above mentioned I would shy away from in your situation would be the HF5B. It is very very sensitive to nearby metal objects and detunes very easily.

I have been able to compare the TH2MK3 side by side with the MA5B and have found those two to be practically identical in performance. The nice thing about the MA5B is you have a rotatable dipole for 12 and 17m. I have also used the MA5B on 30m with the aid of an external antenna tuner (MFJ949E) with good results. Before I put upa 3 element 6 meter beam, I added a 6 meter dipole section to the 12m & 17m element of the MA5B, and had an antenna that basicly worked from 6 through 30m.
I have been very impressed with the F/B on 20m. It is actually better than the old TH2MK3 was. The MA5B has been totally maintanence free since I put it up 5 years ago.

I have mine mounted on a 35 foot rohn tower using a medium weight rotor from Yaesu, which has operated flawless for 9 years now.

If you have any other questions about the MA5B, or any of the other antennas I mentioned, you can contact me direct.

73 Gene N9TF
--- aml_stl <aml_stl@...> wrote:

> Hi all, just starting my quest for a good HF beam
> for tripod mounting
> on the top of my home using a 6' pole for the
> antenna. Roof is about
> 21 feet above ground level.
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> The smaller the footprint the better (due to the

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> without 40, but I could live with that...
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> other suggestions.
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> Thanks.
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3632. Apartment dweller - HF antenna

Yahoo group: ham-antennas (2008)
Date: 2008-01-12 14:51:34 UTC
From: Kuby
Topic: 3632 Message: 3632

Currently, I'm Contracting and living in an apartment. Of course there is no attachable antennas allowed. So I've been eying the buddy-pole concept but find it flawed right away.

This buddy-pole is directed towards bare-foot HF rigs, QRP, FD, etc. But being a flat Horizontal dipole the there will be a gross impedance coax mis-match (300 ohms to 50 ohms).

With just a lil more metal they could put the Hamstick elements at 120 degrees angle (inverted V) which has the reactance of 50 ohms. [I'm sure you see where I'm going with this.]

The super short Hamstick elements are already a significant compromise but then add this impedance mis-match and I'm not to eager to buy this dipole gizmo antenna compromise. BUT if I could get to the MFG'er and put a bug in their ear to make a same type mount for 120 degree element model ---> Well I'm up for a buy and try!

Any leads on where/who the MFG'er(s) are?

N6JSX/0

****
FYI, I bought and installed a "3/8-24 HD ANTENNA 180 DEGREE LIFT AND FOLD OVER MOUNT T203EZ" for my SUV screwdriver whip. It has been on my SUV less than 30 days and is already bleeding "rust" from the internal position spring or un-plated guts. The outside may be chromed or SS but not the guts.

3633. Re: [ham-antennas] Apartment dweller - HF antenna

Yahoo group: ham-antennas (2008)
Date: 2008-01-12 15:06:09 UTC
From: QRP_1@juno.com
Topic: 3632 Message: 3633

Get yourself a good autotuner such as the SGC-239 or similar and put up an indoor 2 turn loop made of 300 hm TV twinlead and feed it with the tuner. Just run the twinlead around the perimeter of the room up next to the ceiling and bring the ends back near each other. Connect the top wire on one end to the bottom wire on the other end, then connect the 2 remaining ends to the tuner tru a short section of the twinlead and use it for multiband operation. I have done this from a motel on a couple of occassions with good results, and just held the twinlead up with plastic headed push pins. With a 2 turn loop that was made out of a 40' roll of the cheap twinlead from Radio Shack I was able to work 10 thru 80 meters with it ! It will also work with a manual tuner too like the MFJ tuners.

Rick McKee, KC8AON, Ohio - www.angelfire.com/electronic2/qrp
Monthly QRP Field Day Group - http://groups.yahoo.com/group/MQFD/
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3634. Re: [ham-antennas] Apartment dweller - HF antenna

Yahoo group: ham-antennas (2008)
Date: 2008-01-12 15:11:12 UTC
From: QRP_1@juno.com
Topic: 3632 Message: 3634

This buddy-pole is directed towards bare-foot HF rigs, QRP, FD, etc.
But being a flat Horizontal dipole the there will be a gross impedance
coax mis-match (300 ohms to 50 ohms). [snip]

I'm curious as to where you get a mismatch of 300 ohms to 50 ohms with
the buddiepole ? The buddiepole can be adjusted to a low swr to 50 ohms
by properly selecting taps on the coils for the band you are operating.
If properly setup, an swr of 1.5:1 or better is possible, but adjusting
it can be a bit time consuming. The 2 turn loop and tuner I mentioned in
my other post is pretty effective and fairly cheap if you use a manual
tuner which you may already have.

Rick McKee, KC8AON, Ohio - www.angelfire.com/electronic2/qrp
Monthly QRP Field Day Group - http://groups.yahoo.com/group/MQFD/
With God all things are possible <><

3635. Noise -

Yahoo group: ham-antennas (2008)
Date: 2008-01-12 16:31:18 UTC
From: aml_stl
Topic: 3635 Message: 3635

I've got a 20+ noise (buzzine, hash, grrrrring noise) level on 80 meters and 9+ level on 40 meters when my vertical antenna (HF6V) is connected to my radio (FT-950).

If I disconnect the antenna feed line the radio goes quiet except for the normal atmospheric noise. 10/15/20 are barely affected, and UHF/VHF is not affected at all. But 80 and 40 are horrible.

Since the interference is not there without the antenna connection I'm "assuming" it's an outside source coming in through the antenna and not the house wiring or it would be there with or without the antenna connected.

We've (the electric company and I) have tried their "sniffing equipment" without success and even my tried and true AM portable radio hasn't pinpointed it. I'm sorry to say the electric company people seemed to be at a loss as to possible fixes, saying they'd "keep an eye on it"...?? They've been here 4 times - with no results over the years.

Just wondering (besides moving) if there are any 'fixes' that I could try in line with the antennas coax to try and help the problem? Would a tunale line noise filter help, although it doesn't appear to be line noise?

Everything is grounded - the antenna is grounded with 4 8ft ground rods and using 12 radials of different lengths, and the station is earth and rf grounded also with surge supressors on all equipment.

Contact me off line if you wish -- aml _ stl @ yahoo . com

Thanks -

AML

3636. Re: Apartment dweller - HF antenna

Yahoo group: ham-antennas (2008)
Date: 2008-01-12 16:45:36 UTC
From: Kuby
Topic: 3632 Message: 3636

Antenna tuner is just adding another compromise on top of an already inefficient antenna buddy-pole contraption making my radio "THINK" the antenna is 50 ohms for max power out.

Your statements and question makes it obvious that you need to study antennas to obtain a clear understanding of tuners/baluns/impedance. Your statement to "adjust the traps to fix the ANTENNA input impedance" is a common misunderstanding of new generation plug&play HAMs.

Sure anything can be tuned/adjusted but is it the most efficient method of obtaining a near naturally resonant antenna operation if the input impedance is already whacked out - NO!

Tuners/baluns ONLY ADD electronic devices to the RF signal path, hence energy is wasted/attenuated in the transforming process.

Tuners ONLY make the radio happy and do virtually nothing in adjusting the antenna to resonance that gives you the most optimal efficiency!

--- In ham-antennas@yahoogroups.com, QRP_1@... wrote:
>
>
> This buddy-pole is directed towards bare-foot HF rigs, QRP, FD, etc.
> But being a flat Horizontal dipole the there will be a gross impedance
> coax mis-match (300 ohms to 50 ohms). [snip]
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> I'm curious as to where you get a mismatch of 300 ohms to 50 ohms with
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> If properly setup, an swr of 1.5:1 or better is possible, but adjusting
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> With God all things are possible <><
>

3637. Re: Small footprint HF beam?

Yahoo group: ham-antennas (2008)
Date: 2008-01-12 16:45:39 UTC
From: john_tartar
Topic: 3627 Message: 3637

There are some very nice reviews of the MA5B on Eham here:
http://www.eham.net/reviews/detail/340

But your biggest limiter you have is the height and closeness to the house. This will deteriate any antenna's performance.

So the rotating dipole someone else suggested may actuall worl as well under those conditions.

--- In ham-antennas@yahoogroups.com, Gene Gabry <gene_n9tf@...> wrote:
>
> AML,
>
> I might be a tad bit biased, but the MA5B is not a bad
> choice for your situation. I am a very happy owner of
> a MA5B for many years. I have operated with other
> small mini beams in the past such as the HF5B
> butternut, TH2MK3 Hy-Gain 2 element tribander, and the
> TH3-Jr by Hy-Gain (when it was Hy-Gain!).
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> The only one of those above mentioned I would shy away
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> of an external antenna tuner (MFJ949E) with good
> results. Before I put upa 3 element 6 meter beam, I
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> element of the MA5B, and had an antenna that basicly
> worked from 6 through 30m.
> I have been very impressed with the F/B on 20m. It is
> actually better than the old TH2MK3 was. The MA5B has
> been totally maintanence free since I put it up 5
> years ago.
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> I have mine mounted on a 35 foot rohn tower using a
> medium weight rotor from Yaesu, which has operated
> flawless for 9 years now.
>
> If you have any other questions about the MA5B, or any
> of the other antennas I mentioned, you can contact me

> direct.
>
> 73 Gene N9TF
> --- aml_stl <aml_stl@...> wrote:
>
> > Hi all, just starting my quest for a good HF beam
> > for tripod mounting
> > on the top of my home using a 6' pole for the
> > antenna. Roof is about
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> > I was looking at the MAB5, but would appreciate
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> > Thanks.
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3638. Re: [ham-antennas] Re: Apartment dweller - HF antenna

Yahoo group: ham-antennas (2008)
Date: 2008-01-12 17:40:29 UTC
From: QRP_1@juno.com
Topic: 3632 Message: 3638

Antenna tuner is just adding another compromise on top of an already inefficient antenna buddy-pole contraption making my radio "THINK" the antenna is 50 ohms for max power out. [SNIP]

No one said to use a tuner with a buddiepole antenna ! If you read my post, I said adjust the antenna to resonance by properly selecting taps on the coil to adjust the swr - this "resonates" the antenna and brings forth maximum power from the radio ! Yes, the buddiepole does suffer from inefficeincy when compared to a full sized antenna, but then so does a mobile HF antenna of any kind and they are tuned to resonance in the same manner. When operating with an inside antenna or mobile antenna, then one would be a fool to expect full size antenna performance - its simply not possible ! But if you main concern is to just get on the air anyway possible, then one must learn to operate with a slight handicap - any antenna is better than no antenna ! ! !

Your statements and question makes it obvious that you need to study antennas to obtain a clear understanding of tuners/baluns/impedance. Your statement to "adjust the traps to fix the ANTENNA input impedance" is a common misunderstanding of new generation plug&play HAMs. [snip]

And who said anything about "adjusting traps" ? The buddiepole isn't a trapped antenna ! Its a short coil loaded antenna, or haven't you learned the difference between traps and simple coils yet ? Perhaps you are a "plug and play ham" ! Your attitude does nothing to help in the matter. The one that posted the question is looking for a way to get on the air with an indoor antenna because he can't put up an outside antenna. In this situation, a full size resonant antenna isn't going to fit in most cases and he must do what he has to do make do. If you can't be constructive and help in the matter, it would be wise for you to keep silent and quit the name calling !

Sure anything can be tuned/adjusted but is it the most efficient method of obtaining a near naturally resonant antenna operation if the input impedance is already whacked out - NO! [snip]

No arguement there, but again - we aren't discussing a full sized naturally resonant antenna are we ? We are discussing an indoor covert antenna that must be forced to work regardless of its size.

Tuners/baluns ONLY ADD electronic devices to the RF signal path, hence energy is wasted/attenuated in the transforming process. [snip]

You guys with the "tunerphobia" never cease to amaze me with your "antituner philosphy" ! If you are losing/wasting power, its because you are using an inefficient system to begin with. If you strive to

eliminate system losses, then a good multiband antenna/tuner combination can be made to be even more efficient than a coax fed resonant antenna ! I've used antennas both ways and the antenna system/tuner combo I am using right now will beat the resonant antenna system I once used hands down every time !

Tuners ONLY make the radio happy and do virtually nothing in adjusting the antenna to resonance that gives you the most optimal efficiency! [snip]

Well, I see you need to study antennas more ! Give me a good tuner and low loss antenna system anyday and I'll be making contacts while you are trying to adjust your antenna to "natural resonance" ! A good balanced tuner such as a link coupled tuner or Zmatch tuner and a doublet fed with low loss balanced feedline will show an increase of about 15% efficency over a dipole of the smae size that is fed with coax. On its second harmonic it will be about 25% more efficient, so what does having an antenna that is resonant on one band have that a good tuner/antenna system doesn't ? Go back to class, you've got more to learn !

Rick McKee, KC8AON, Ohio - www.angelfire.com/electronic2/qrp
Monthly QRP Field Day Group - http://groups.yahoo.com/group/MQFD/
With God all things are possible <><

3639. Re: [ham-antennas] Noise -

Yahoo group: ham-antennas (2008)
Date: 2008-01-12 18:15:11 UTC
From: The Kendricks
Topic: 3635 Message: 3639

When I first got my hf rig up and going, I had a crippling splatter noise on 40 and 80 meters. My rig is powered by an Astron RS20-BB, basically an RS20 with a battery backup. Turning off the Astron did nothing to clean up the signal, but killing the ac to my house and running from straight dc power made a world of difference.

Knowing the noise was coming from within my house, I started shutting off breakers until my splatter was gone. After determining which circuit the noise was coming from, I started unplugging items. My problem was a power supply for my digital camera dock.

By hooking up to a battery and snooping around a bit, maybe you'll have some good luck, like I did.

Jason
KCØMFW

[Non-text portions of this message have been removed]

3640. Re: [ham-antennas] Noise -

Yahoo group: ham-antennas (2008)
Date: 2008-01-12 19:11:54 UTC
From: N0ATH
Topic: 3635 Message: 3640

AML - You have probably already looked at something this simple but
I have to ask - do you have or your neighbors have any lamp dimmers?
I had a similar problem I fought on 80 meters and one night I heard my
wife walk across the floor upstairs and presto!! the noise died!! I rushed
out of the basement asking what did you just do? She was about half
scared of me there for a minute but she had simply turned off the dimmer
switch. Sure didn't take long to get a new click switch put in there. I also
remember years ago (my first rig) was a Heathkit SB-104-A that I had built,
and it was horribly noisy on 40/80 but was good on other bands - Whilst
fiddling around one late night I adjusted the NB board (Duh) single pot
and it just dropped the noise completely and there were lots of folks setting
there visiting on that band - Don't guess you have one of those do you?
Good Luck & 73 should I show my call here?
N?ATH / Dave

----- Original Message -----
From: "aml_stl" <aml_stl@...>
To: <ham-antennas@yahoogroups.com>
Sent: Saturday, January 12, 2008 10:31 AM
Subject: [ham-antennas] Noise -

I've got a 20+ noise (buzzine, hash, grrrrring noise) level on 80
meters and 9+ level on 40 meters when my vertical antenna (HF6V) is
connected to my radio (FT-950).

If I disconnect the antenna feed line the radio goes quiet except
for the normal atmospheric noise. 10/15/20 are barely affected, and
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Since the interference is not there without the antenna connection
I'm "assuming" it's an outside source coming in through the antenna
and not the house wiring or it would be there with or without the
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We've (the electric company and I) have tried their "sniffing
equipment" without success and even my tried and true AM portable
radio hasn't pinpointed it. I'm sorry to say the electric company
people seemed to be at a loss as to possible fixes, saying
they'd "keep an eye on it"...?? They've been here 4 times - with no
results over the years.

Just wondering (besides moving) if there are any 'fixes' that I
could try in line with the antennas coax to try and help the
problem? Would a tunale line noise filter help, although it doesn't
appear to be line noise?

Everything is grounded - the antenna is grounded with 4 8ft ground rods and using 12 radials of different lengths, and the station is earth and rf grounded also with surge supressors on all equipment.

Contact me off line if you wish -- aml _ stl @ yahoo . com

Thanks -

AML

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 974 members (as of 11/07/07,
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List owner: ham-antennas-owner@yahoogroups.com

Yahoo! Groups Links

3641. Re: [ham-antennas] Noise -

Yahoo group: ham-antennas (2008)
Date: 2008-01-12 21:55:55 UTC
From: jeff
Topic: 3635 Message: 3641

my problem was an incredibly cheap, noisy power supply in my main computer. I swapped in a better unit and the noise went away completely.

There was noise all over HF, but it never bothered VHF/UHF.

Keep killing power to things until the noise goes away.

3642. Re: Apartment dweller - HF antenna

Yahoo group: ham-antennas (2008)
Date: 2008-01-12 22:30:01 UTC
From: Kuby
Topic: 3632 Message: 3642

Good going your plug&play CB knowledge NEVER ANSWERED my question.
You just hijacked the subject to try and impress. bye

--- In ham-antennas@yahoogroups.com, QRP_1@... wrote:
>
> Antenna tuner is just adding another compromise on top of an already
> inefficient antenna buddy-pole contraption making my radio "THINK" the
> antenna is 50 ohms for max power out. [SNIP]
>
> No one said to use a tuner with a buddiepole antenna ! If you read my
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> simply not possible ! But if you main concern is to just get on the air
> anyway possible, then one must learn to operate with a slight handicap -
> any antenna is better than no antenna ! ! !
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> Your statements and question makes it obvious that you need to study
> antennas to obtain a clear understanding of tuners/baluns/impedance.
> Your statement to "adjust the traps to fix the ANTENNA input
> impedance" is a common misunderstanding of new generation plug&play
HAMs.
> [snip]
>
> And who said anything about "adjusting traps" ? The buddiepole isn't a
> trapped antenna ! Its a short coil loaded antenna, or haven't you
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> are a "plug and play ham" ! Your attitude does nothing to help in the
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> silent and quit the name calling !
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> Sure anything can be tuned/adjusted but is it the most efficient
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> Tuners/baluns ONLY ADD electronic devices to the RF signal path, hence
> energy is wasted/attenuated in the transforming process. [snip]
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> are using an inefficient system to begin with. If you strive to
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> can be made to be even more efficient than a coax fed resonant
antenna !
> I've used antennas both ways and the antenna system/tuner combo I am
> using right now will beat the resonant antenna system I once used hands
> down every time !
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> Tuners ONLY make the radio happy and do virtually nothing in adjusting
> the antenna to resonance that gives you the most optimal efficiency!
> [snip]
>
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> low loss antenna system anyday and I'll be making contacts while you are
> trying to adjust your antenna to "natural resonance" ! A good balanced
> tuner such as a link coupled tuner or Zmatch tuner and a doublet fed
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> Rick McKee, KC8AON, Ohio - www.angelfire.com/electronic2/qrp
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> With God all things are possible <><
>

3643. Re: [ham-antennas] Re: Apartment dweller - HF antenna

Yahoo group: ham-antennas (2008)
Date: 2008-01-12 22:46:11 UTC
From: QRP_1@juno.com
Topic: 3632 Message: 3643

Good going your plug&play CB knowledge NEVER ANSWERED my question.
You just hijacked the subject to try and impress. bye

[snip]

Well, CB knowlege or not, while you are worrying about getting on the air, I'll be on the air enjoying my antenna that is working very well even though its not "naturally resonant" ! Hope you figure it out OM - I tried to help, and can't help if you won't listen !

And if all you want is a "naturally resonant" antenna, then forget about operating with an "apartment dweller" antenna - oil and water don't mix !

Have a great day.....

Rick McKee, KC8AON, Ohio - www.angelfire.com/electronic2/qrp
Monthly QRP Field Day Group - http://groups.yahoo.com/group/MQFD/
With God all things are possible <><

3644. Re: [ham-antennas] Re: Apartment dweller - HF antenna

Yahoo group: ham-antennas (2008)
Date: 2008-01-12 23:02:22 UTC
From: Stan Kozlowitz
Topic: 3632 Message: 3644

Kuby,
Your statement about the traps is correct, but your statements about a tuner are misleading , at best. A tuner that can achieve a 1:1 SWR at the radio does transform the impedance to 50 + j0 at the radio. And there is SWR on the feed line and antenna. But keep in mind that any reflected power coming back from the antenna will get RE-reflected back down the transmission line towards the antenna So, if 20 watts of power (out of 100) is reflected back toward the tuner, the tuner creates a conjugate match re-reflecting the power AND adding in-phase the reflected power with the original incident power. Now you have 120 watts of forward power. Twenty watts again gets reflected but the original 100 watts gets transmitted by the antenna, no matter what the SWR if the matched line loss is low..

Saying that tuners "ONLY" do this or that is not showing the whole picture. Tuners allow one to operate one antenna over multiple bands. And where there is SWR, the most important factor in transmission line loss is in the matched line loss of the transmission line itself.

Newbies need to learn the facts as they exist. Not old wives tales and mis-guided information.

Do yourself a favor and read Walt Maxwell's treatise on transmission lines and antennas at http://www.w2du.com. It's good reading every ham should read.

Really 73,

Stan AA5XO

Kuby <n6jsx@...> wrote:
Antenna tuner is just adding another compromise on top of an already inefficient antenna buddy-pole contraption making my radio "THINK" the antenna is 50 ohms for max power out.

Your statements and question makes it obvious that you need to study antennas to obtain a clear understanding of tuners/baluns/impedance. Your statement to "adjust the traps to fix the ANTENNA input impedance" is a common misunderstanding of new generation plug&play HAMs.

Sure anything can be tuned/adjusted but is it the most efficient method of obtaining a near naturally resonant antenna operation if the input impedance is already whacked out - NO!

Tuners/baluns ONLY ADD electronic devices to the RF signal path, hence energy is wasted/attenuated in the transforming process.

Tuners ONLY make the radio happy and do virtually nothing in adjusting the antenna to resonance that gives you the most optimal efficiency!

--- In ham-antennas@yahoogroups.com, QRP_1@... wrote:
>

>
> This buddy-pole is directed towards bare-foot HF rigs, QRP, FD, etc.
> But being a flat Horizontal dipole the there will be a gross impedance
> coax mis-match (300 ohms to 50 ohms). [snip]
>
> I'm curious as to where you get a mismatch of 300 ohms to 50 ohms with
> the buddiepole ? The buddiepole can be adjusted to a low swr to 50 ohms
> by properly selecting taps on the coils for the band you are operating.
> If properly setup, an swr of 1.5:1 or better is possible, but adjusting
> it can be a bit time consuming. The 2 turn loop and tuner I
mentioned in
> my other post is pretty effective and fairly cheap if you use a manual
> tuner which you may already have.
>
> Rick McKee, KC8AON, Ohio - www.angelfire.com/electronic2/qrp
> Monthly QRP Field Day Group - http://groups.yahoo.com/group/MQFD/
> With God all things are possible <><
>

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[Non-text portions of this message have been removed]

3645. Re: [ham-antennas] Re: Apartment dweller - HF antenna

Yahoo group: ham-antennas (2008)
Date: 2008-01-12 23:36:22 UTC
From: Stan Kozlowitz
Topic: 3632 Message: 3645

Good retort! It's amazing how stupidity keeps floating around the amateur community!

73, and keep the faith!
Stan AA5XO

QRP_1@... wrote:
Antenna tuner is just adding another compromise on top of an already inefficient antenna buddy-pole contraption making my radio "THINK" the antenna is 50 ohms for max power out. [SNIP]

No one said to use a tuner with a buddiepole antenna ! If you read my post, I said adjust the antenna to resonance by properly selecting taps on the coil to adjust the swr - this "resonates" the antenna and brings forth maximum power from the radio ! Yes, the buddiepole does suffer from inefficeincy when compared to a full sized antenna, but then so does a mobile HF antenna of any kind and they are tuned to resonance in the same manner. When operating with an inside antenna or mobile antenna, then one would be a fool to expect full size antenna performance - its simply not possible ! But if you main concern is to just get on the air anyway possible, then one must learn to operate with a slight handicap - any antenna is better than no antenna ! ! !

Your statements and question makes it obvious that you need to study antennas to obtain a clear understanding of tuners/baluns/impedance. Your statement to "adjust the traps to fix the ANTENNA input impedance" is a common misunderstanding of new generation plug&play HAMs. [snip]

And who said anything about "adjusting traps" ? The buddiepole isn't a trapped antenna ! Its a short coil loaded antenna, or haven't you learned the difference between traps and simple coils yet ? Perhaps you are a "plug and play ham" ! Your attitude does nothing to help in the matter. The one that posted the question is looking for a way to get on the air with an indoor antenna because he can't put up an outside antenna. In this situation, a full size resonant antenna isn't going to fit in most cases and he must do what he has to do make do. If you can't be constructive and help in the matter, it would be wise for you to keep silent and quit the name calling !

Sure anything can be tuned/adjusted but is it the most efficient method of obtaining a near naturally resonant antenna operation if the input impedance is already whacked out - NO! [snip]

No arguement there, but again - we aren't discussing a full sized naturally resonant antenna are we ? We are discussing an indoor covert antenna that must be forced to work regardless of its size.

Tuners/baluns ONLY ADD electronic devices to the RF signal path, hence energy is wasted/attenuated in the transforming process. [snip]

You guys with the "tunerphobia" never cease to amaze me with your "antituner philosphy" ! If you are losing/wasting power, its because you are using an inefficient system to begin with. If you strive to eliminate system losses, then a good multiband antenna/tuner combination can be made to be even more efficient than a coax fed resonant antenna ! I've used antennas both ways and the antenna system/tuner combo I am using right now will beat the resonant antenna system I once used hands down every time !

Tuners ONLY make the radio happy and do virtually nothing in adjusting the antenna to resonance that gives you the most optimal efficiency! [snip]

Well, I see you need to study antennas more ! Give me a good tuner and low loss antenna system anyday and I'll be making contacts while you are trying to adjust your antenna to "natural resonance" ! A good balanced tuner such as a link coupled tuner or Zmatch tuner and a doublet fed with low loss balanced feedline will show an increase of about 15% efficency over a dipole of the smae size that is fed with coax. On its second harmonic it will be about 25% more efficient, so what does having an antenna that is resonant on one band have that a good tuner/antenna system doesn't ? Go back to class, you've got more to learn !

Rick McKee, KC8AON, Ohio - www.angelfire.com/electronic2/qrp
Monthly QRP Field Day Group - http://groups.yahoo.com/group/MQFD/
With God all things are possible <><

Never miss a thing. Make Yahoo your homepage.

[Non-text portions of this message have been removed]

3646. Re: [ham-antennas] Re: Apartment dweller - HF antenna

Yahoo group: ham-antennas (2008)
Date: 2008-01-12 23:50:09 UTC
From: QRP_1@juno.com
Topic: 3632 Message: 3646

Kuby,
OK, In reading your post, I fail to see what the actual question is ? So I'll try to get some info from you about the original post which I have included below.

Currently, I'm Contracting and living in an apartment. Of course there is no attachable antennas allowed. So I've been eying the buddy-pole concept but find it flawed right away.

This buddy-pole is directed towards bare-foot HF rigs, QRP, FD, etc. But being a flat Horizontal dipole the there will be a gross impedance coax mis-match (300 ohms to 50 ohms). [snip]

OK, first, the Buddiepole as I remember is rated for up to 150 watts, and yes it will work quite well for FD & QRP operation. If you plan on operating from an apartment that allows no outside antennas, then why would you be worried about the antenna only being able to handle a maximum of 150 watts - surely you don't plan on running more than that with an indoor antenna ? Talk about TVI?RFI - whew ! And I'm confused as to where you get the idea that the Buddiepole would be anywhere near 300 ohms ? A short loaded antenna would be more like 20 to 25 ohms at best at resonance. If it were a vertical, this could very easily be overcome by using a shunt matching coil at the feedpoint to bring it to 50 ohms after the resonant point is found. But since it is a horizontal dipole configuration, Budd has compensated for this by allowing different setting for each half of the antenna to basically make it an off center fed dipole to bring it closer to 50 ohms. FYI, I'm not deffending or promoting the Buddiepole but it is a good system - a little pricey in my book, but still a good system none the less ! So, where do you come up with the 300 ohm figure that you stated ? Please explain ? Remember, a full size dipole will be near 50 to 70 ohms depending on height above ground - no where near 300 ohms.

With just a lil more metal they could put the Hamstick elements at 120 degrees angle (inverted V) which has the reactance of 50 ohms. [I'm sure you see where I'm going with this.[snip]

50 ohms might be close to right for a full size dipole, but the Hamsticks are still nothing more than short loaded antennas and will still exhibit a low impedance. Probably on the order of 12 to 20 ohms for the Hamsticks depending on which band you choose regardless if they are mounted horizontal or inverted V style.

The super short Hamstick elements are already a significant compromise but then add this impedance mis-match and I'm not to eager to buy this dipole gizmo antenna compromise. BUT if I could get to the MFG'er and

put a bug in their ear to make a same type mount for 120 degree element model ---> Well I'm up for a buy and try! [snip]

If must have one, a dipole fixture where the Hamsticks are at 120 degrees to each other would be very simple to fabricate even without special tools. Some aluminum barstock, a drill, a bench vise, and the antenna mounts would be all that was needed. But I guarantee that the Hamsticks are going to be a compromise antenna no matter what you do. They will work, but they will be much more compromised than any simple wire that is much longer and connected through a tuner to provide the match. The bottom line is, any short loaded antenna is a compromise. A full size dipole is a compromise if its too low to the ground, but it will still beat the Hamsticks easily.

Why don't you tell us what your intended expectations are and tell us a little about your apartment setup. That way we can really figure out what you need and get you pointed in the right direction. What radio and power level do you intend to use ? What bands and modes ? I have operated HF from places where folks said it couldn't be done - even operated 160 meters effectively from a motel room with no more than 50 watts ! I've operated 80 thru 10 meters from a 14' johnboat. I've worked 15 thru 60 meters effectively @ 10 watts with a 3' diameter homebrew magnetic loop made of RG8 coax while out hiking in the woods, and even worked Australia with 10 watts on 40 meters with a homebrew vertical. I've also worked several countries with transmitters and receivers I built from scratch, so what you call "plug and play ham" doesn't apply here ! Oh yeah, I didn't have to get on a list an ask folks how to do it either - I figured it out on my own as I went along ! I will admit that I started out on 11 meters though - but that was long before I even knew amateur radio even existed ! My first CB antenna was a homebrew endfed halfwave, and the radio was an old tube rig that didn't even work when I got it - thats how I learned about tracing circuits and reading schematics back when I was about 13 years old in 1970.

Rick McKee, KC8AON, Ohio - www.angelfire.com/electronic2/qrp
Monthly QRP Field Day Group - http://groups.yahoo.com/group/MQFD/
With God all things are possible <><

[Non-text portions of this message have been removed]

3647. Re: [ham-antennas] Re: Apartment dweller - HF antenna

Yahoo group: ham-antennas (2008)
Date: 2008-01-12 23:56:46 UTC
From: QRP_1@juno.com
Topic: 3632 Message: 3647

Good going your plug&play CB knowledge NEVER ANSWERED my question.
You just hijacked the subject to try and impress. bye [snip]

No Kuby - not trying to impress, just trying to help. Sorry you took it
the wrong way - really !

Rick McKee, KC8AON, Ohio - www.angelfire.com/electronic2/qrp
Monthly QRP Field Day Group - http://groups.yahoo.com/group/MQFD/
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3648. difference between 2el and 3el yagi

Yahoo group: ham-antennas (2008)
Date: 2008-01-13 04:25:16 UTC
From: aadu.adok
Topic: 3648 Message: 3648

hello,

I'm about to build a 15m yagi. Since my space is limited, I'm not sure whether to do 2el or 3el. Well, books say that average 2el yagi-s gain is around 4dBd, and 3el gives you 5-6dBd of gain.

Now I wonder, how big is the difference in real life? I know that we are somewhere near the solar cycle minimum, but will I be able to hear VK-s from NE europe with 2 or 3 element beam on 15m? At least I can't receive them on my G5RV. Or let me put it this way - what's the minimum antenna to hear VK-s on 15m in europe (with current solar flux of 76)?

Any thoughts, please.

3649. Re: [ham-antennas] Apartment dweller - HF antenna

Yahoo group: ham-antennas (2008)
Date: 2008-01-13 08:17:25 UTC
From: N9WB
Topic: 3632 Message: 3649

Good Idea !
This will also work with most manual tuners.
Walt N9WB

----- Original Message -----
From: QRP_1@...
To: ham-antennas@yahoogroups.com
Sent: Saturday, January 12, 2008 10:06 AM
Subject: Re: [ham-antennas] Apartment dweller - HF antenna

Get yourself a good autotuner such as the SGC-239 or similar and put up
an indoor 2 turn loop made of 300 hm TV twinlead and feed it with the
tuner. Just run the twinlead around the perimeter of the room up next to
the ceiling and bring the ends back near each other. Connect the top
wire on one end to the bottom wire on the other end, then connect the 2
remaining ends to the tuner tru a short section of the twinlead and use
it for multiband operation. I have done this from a motel on a couple of
occassions with good results, and just held the twinlead up with plastic
headed push pins. With a 2 turn loop that was made out of a 40' roll of
the cheap twinlead from Radio Shack I was able to work 10 thru 80 meters
with it ! It will also work with a manual tuner too like the MFJ tuners.

Rick McKee, KC8AON, Ohio - www.angelfire.com/electronic2/qrp
Monthly QRP Field Day Group - http://groups.yahoo.com/group/MQFD/
With God all things are possible <><

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Version: 7.5.516 / Virus Database: 269.19.1/1220 - Release Date: 1/11/2008 6:09 PM

[Non-text portions of this message have been removed]

3650. Re: [ham-antennas] Noise -

Yahoo group: ham-antennas (2008)
Date: 2008-01-13 08:20:25 UTC
From: N9WB
Topic: 3635 Message: 3650

Excellent Method !
Walt N9WB
----- Original Message -----
From: The Kendricks
To: ham-antennas@yahoogroups.com
Sent: Saturday, January 12, 2008 1:15 PM
Subject: Re: [ham-antennas] Noise -

When I first got my hf rig up and going, I had a crippling splatter noise on 40 and 80 meters. My rig is powered by an Astron RS20-BB, basically an RS20 with a battery backup. Turning off the Astron did nothing to clean up the signal, but killing the ac to my house and running from straight dc power made a world of difference.

Knowing the noise was coming from within my house, I started shutting off breakers until my splatter was gone. After determining which circuit the noise was coming from, I started unplugging items. My problem was a power supply for my digital camera dock.

By hooking up to a battery and snooping around a bit, maybe you'll have some good luck, like I did.

Jason
KCØMFW

[Non-text portions of this message have been removed]

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Version: 7.5.516 / Virus Database: 269.19.1/1220 - Release Date: 1/11/2008 6:09 PM

[Non-text portions of this message have been removed]

3651. Re: difference between 2el and 3el yagi

Yahoo group: ham-antennas (2008)
Date: 2008-01-13 08:44:06 UTC
From: wd4elg_base
Topic: 3648 Message: 3651

Answer on the minimum antenna to hear VK's from NE Europe...it depends. On a lot of things.

Sorry, but there are many factors. How high is the antenna? Is anyone on the band when it is open? It is my experience that there is not a lot of activity on 15 meters at this low point. Even if the band is open, not many hams aware of that fact. Exceptions are during the contests. And, if you can hear them...will they hear you? More questions: how much power are you using? CW or SSB?

For simplicity, let's assume the G5RV has the same gain as a dipole. The yagi with the extra gain gives much better directivity over the G5RV and rejection of signals not in the desired direction (I am sure you already know this). Some models and texts state 4db versus 6db of gain between 2 elements and 3 elements, but this is not even an S unit. So if you can't hear them on the 2 ele yagi, you probably won't hear them on the 3 ele yagi either. If you can hear them on the 3 ele yagi, you will probably hear them on the 2 ele yagi.

So, when the band IS open on 15, why bother with a 3 element yagi over a 2 element design? Much better front-to-back ratio, in addition to some gain. Why NOT go with 3 elements? Cost, space restrictions, weight (like for 40 or 80 meters).

http://www.cebik.com/yagi/3lyg1.html
<http://www.cebik.com/yagi/3lyg1.html>

http://en.wikipedia.org/wiki/Yagi_antenna
<http://en.wikipedia.org/wiki/Yagi_antenna>

http://www.arrl.org/tis/info/pdf/7201036.pdf
<http://www.arrl.org/tis/info/pdf/7201036.pdf>

http://www.arrl.org/tis/info/pdf/8108032.pdf
<http://www.arrl.org/tis/info/pdf/8108032.pdf>

Let's take a look at a different scenario - 40 meters. A shortened vertical will do the trick from EU to VK here (I hear EU working VK every day at the same time, about sunrise for EU/sunset for VK on 40 CW. I can hear both stations on my vert, and work both from my QTH as well. I know they are also working each other). What is the key here? Not just gain, but angle of arrival. The ARRL Antenna Handbook discusses this extensively. It's not just the gain, but the angle of the maximum radiation which is important. Verticals don't have gain (at least not a single vertical by itself), but they DO have low angles of radiation. (Of course, the reason I can hear EU and VK at the same time is that verticals are omnidirectional). Why not use a vert on 15? Well, you

could. The low angles will be there with the vertical, but the gain won't...and on the higher HF bands the gain is really important because of the MUF frequency being so close to 15 during daylight.

Most importantly, make sure you get the antenna up...generally higher is better. Here is a good snapshot that is similar to the ARRL Handbook on angles of arrival. Higher is better, but shorter range DX (Africa) may suffer.

http://www2.arrl.org/FandES/field/regulations/local/antplnr.pdf
<http://www2.arrl.org/FandES/field/regulations/local/antplnr.pdf>

So, my informed *opinion* (not the absolute answer) is:

* If you can afford 3 elements and you have room, then definitely go for it.
* Get the antenna at least a half wavelength high. For the EU-VK propagation, it will have to be higher than that! Get it as high as you can.
* Look at some of the propagation models to see the best times to work VK from EU on 15. Watch the DX clusters to see when others are working VK.
* See if you can set up a sked with somebody in VK.

It is 3:30 AM local, so I am rambling. I hope I am helping you. I am sure others will be able to share much more good info that will help you as well.

Mark, WD4ELG http://wd4elg.net <http://wd4elg.net>

--- In ham-antennas@yahoogroups.com, "aadu.adok" <aadu.adok@...> wrote:
>
> hello,
>
> I'm about to build a 15m yagi. Since my space is limited, I'm not sure
> whether to do 2el or 3el. Well, books say that average 2el yagi-s gain
> is around 4dBd, and 3el gives you 5-6dBd of gain.
>
> Now I wonder, how big is the difference in real life? I know that we
> are somewhere near the solar cycle minimum, but will I be able to hear
> VK-s from NE europe with 2 or 3 element beam on 15m? At least I can't
> receive them on my G5RV. Or let me put it this way - what's the
> minimum antenna to hear VK-s on 15m in europe (with current solar flux
> of 76)?
>
> Any thoughts, please.
>

[Non-text portions of this message have been removed]

3652. Re: [ham-antennas] Apartment dweller - HF antenna

Yahoo group: ham-antennas (2008)
Date: 2008-01-13 09:04:48 UTC
From: N9WB
Topic: 3632 Message: 3652

This antenna will be around 75 ohms in the flat configuration. A 300 ohm dipole would be a closed loop. Making it an inverted V would lower the impedance somewhat but a 75 ohm to 50 ohm mismatch is not that great.

-- --75 ohm

/ \ 50 ohms.

The Manufacture is :

Budd Drummond
W3FF
Contact Info:

Email: info@...

Phone: (530) 226 8446
Fax: (530) 232 2753

Vy 73, Walt N9WB

----- Original Message -----
From: Kuby
To: ham-antennas@yahoogroups.com
Sent: Saturday, January 12, 2008 9:51 AM
Subject: [ham-antennas] Apartment dweller - HF antenna

Currently, I'm Contracting and living in an apartment. Of course there is no attachable antennas allowed. So I've been eying the buddy-pole concept but find it flawed right away.

This buddy-pole is directed towards bare-foot HF rigs, QRP, FD, etc. But being a flat Horizontal dipole the there will be a gross impedance coax mis-match (300 ohms to 50 ohms).

With just a lil more metal they could put the Hamstick elements at 120 degrees angle (inverted V) which has the reactance of 50 ohms. [I'm sure you see where I'm going with this.]

The super short Hamstick elements are already a significant compromise but then add this impedance mis-match and I'm not to eager to buy this dipole gizmo antenna compromise. BUT if I could get to the MFG'er and put a bug in their ear to make a same type mount for 120 degree element model ---> Well I'm up for a buy and try!

Any leads on where/who the MFG'er(s) are?

N6JSX/0

****
FYI, I bought and installed a "3/8-24 HD ANTENNA 180 DEGREE LIFT AND FOLD OVER MOUNT T203EZ" for my SUV screwdriver whip. It has been on my SUV less than 30 days and is already bleeding "rust" from the internal position spring or un-plated guts. The outside may be chromed or SS but not the guts.

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Version: 7.5.516 / Virus Database: 269.19.1/1220 - Release Date: 1/11/2008 6:09 PM

3653. Re: Apartment dweller - HF antenna

Yahoo group: ham-antennas (2008)
Date: 2008-01-13 10:18:16 UTC
From: zl1gbb
Topic: 3632 Message: 3653

Have a look here...

<http://www.buddipole.com/buddistick.html>

Are you sure you mean the Buddypole? I don't think they use hamsticks
at all.

Graeme zl1gbb

--- In ham-antennas@yahoogroups.com, "Kuby" <n6jsx@...> wrote:
>
> Currently, I'm Contracting and living in an apartment. Of course
there
> is no attachable antennas allowed. So I've been eying the buddy-pole
> concept but find it flawed right away.
>
> This buddy-pole is directed towards bare-foot HF rigs, QRP, FD, etc.
> But being a flat Horizontal dipole the there will be a gross
impedance
> coax mis-match (300 ohms to 50 ohms).
>
> With just a lil more metal they could put the Hamstick elements at
120
> degrees angle (inverted V) which has the reactance of 50 ohms. [I'm
> sure you see where I'm going with this.]
>
> The super short Hamstick elements are already a significant
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> but then add this impedance mis-match and I'm not to eager to buy
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> dipole gizmo antenna compromise. BUT if I could get to the MFG'er
and
> put a bug in their ear to make a same type mount for 120 degree
> element model ---> Well I'm up for a buy and try!
>
> Any leads on where/who the MFG'er(s) are?
>
> N6JSX/0
>
> **********
> FYI, I bought and installed a "3/8-24 HD ANTENNA 180 DEGREE LIFT AND
> FOLD OVER MOUNT T203EZ" for my SUV screwdriver whip. It has been on
my
> SUV less than 30 days and is already bleeding "rust" from the
internal
> position spring or un-plated guts. The outside may be chromed or SS

> but not the guts.
>

3654. Re: [ham-antennas] Re: Apartment dweller - HF antenna

Yahoo group: ham-antennas (2008)
Date: 2008-01-13 18:14:03 UTC
From: Wayne
Topic: 3632 Message: 3654

There are various antenna setups that often get confused with other antennas.
there are mounts that use a pair of whips, like Ham sticks or other brands, as a dipole configuration. these can do fairly well at times.
I have seen a few different makes that have the mount, just don't recall which brands right now.
I could use my big magnet mount on my roof (metal) for HF, but with my dipole setup, don't need to.
I have a set of Iron Horse whips, similar to ham sticks, that did well mobile when I first used them. Sweden, Finland and Russia on 20 meter mobile in Sept 2002, and Washington to the Sacramento area on 40 mobile.
of course, band conditions can vary, and what works one time may not another when conditions are not as good.
But, one can take a pair of whips and use them as a shorter dipole and do fairly well at times. better than nothing.
One can also mount a whip on top of a metal railing or fence, or a metal roof or awning.
Many possible ways to do it...
YMMV

73 DE Wayne WA2YNE
Imperial, Tejas

----- Original Message -----
From: zl1gbb
To: ham-antennas@yahoogroups.com
Sent: Sunday, January 13, 2008 4:18 AM
Subject: [ham-antennas] Re: Apartment dweller - HF antenna

Have a look here...

<http://www.buddipole.com/buddistick.html>

Are you sure you mean the Buddypole? I don't think they use hamsticks
at all.

Graeme zl1gbb

--- In ham-antennas@yahoogroups.com, "Kuby" <n6jsx@...> wrote:
>
> Currently, I'm Contracting and living in an apartment. Of course
there
> is no attachable antennas allowed. So I've been eying the buddy-pole
> concept but find it flawed right away.
>
> This buddy-pole is directed towards bare-foot HF rigs, QRP, FD, etc.
> But being a flat Horizontal dipole the there will be a gross
impedance
> coax mis-match (300 ohms to 50 ohms).

>
> With just a lil more metal they could put the Hamstick elements at
120
> degrees angle (inverted V) which has the reactance of 50 ohms. [I'm
> sure you see where I'm going with this.]
>
> The super short Hamstick elements are already a significant
compromise
> but then add this impedance mis-match and I'm not to eager to buy
this
> dipole gizmo antenna compromise. BUT if I could get to the MFG'er
and
> put a bug in their ear to make a same type mount for 120 degree
> element model ---> Well I'm up for a buy and try!
>
> Any leads on where/who the MFG'er(s) are?
>
> N6JSX/0
>
>
.

[Non-text portions of this message have been removed]

3655. STEALTH=>LOOK: A [Ham radio Vertical] TV antenna [WAS:Apartment dweller-HF antenna

Yahoo group: ham-antennas (2008)
Date: 2008-01-13 18:31:57 UTC
From: Vlincoln
Topic: 3632 Message: 3655

LOOK at this: A Ham radio Vertical TV antenna for stealth applications
in HOAs restricted sites, trailer parks, RV parks, on the Beach?....
LOL

http://force12inc.com/sigmasv5gt5info-002.htm

van lincoln
wd8aam

At 12:14 1/13/2008 -0600, you wrote:

>There are various antenna setups that often get confused with other antennas.
>there are mounts that use a pair of whips, like Ham sticks or other
>brands, as a dipole configuration. these can do fairly well at times.
>I have seen a few different makes that have the mount, just don't
>recall which brands right now.
>I could use my big magnet mount on my roof (metal) for HF, but with
>my dipole setup, don't need to.
>I have a set of Iron Horse whips, similar to ham sticks, that did
>well mobile when I first used them. Sweden, Finland and Russia on 20
>meter mobile in Sept 2002, and Washington to the Sacramento area on 40 mobile.
>of course, band conditions can vary, and what works one time may not
>another when conditions are not as good.
>But, one can take a pair of whips and use them as a shorter dipole
>and do fairly well at times. better than nothing.
>One can also mount a whip on top of a metal railing or fence, or a
>metal roof or awning.
>Many possible ways to do it...
>YMMV
>
>73 DE Wayne WA2YNE
>Imperial, Tejas
>
>----- Original Message -----
>From: zl1gbb
>To: <mailto:ham-antennas%40yahoogroups.com>ham-antennas@yahoogroups.com
>Sent: Sunday, January 13, 2008 4:18 AM
>Subject: [ham-antennas] Re: Apartment dweller - HF antenna
>
>Have a look here...
>
><<http://www.buddipole.com/buddistick.html>http://www.buddipole.com/buddistick.html>
>
>Are you sure you mean the Buddypole? I don't think they use hamsticks
>at all.

>
>Graeme zl1gbb
>
>--- In
><mailto:ham-antennas%40yahoogroups.com>ham-antennas@yahoogroups.com,
>"Kuby" <n6jsx@...> wrote:
> >
> > Currently, I'm Contracting and living in an apartment. Of course
>there
> > is no attachable antennas allowed. So I've been eying the buddy-pole
> > concept but find it flawed right away.
> >
> > This buddy-pole is directed towards bare-foot HF rigs, QRP, FD, etc.
> > But being a flat Horizontal dipole the there will be a gross
>impedance
> > coax mis-match (300 ohms to 50 ohms).
> >
> > With just a lil more metal they could put the Hamstick elements at
>120
> > degrees angle (inverted V) which has the reactance of 50 ohms. [I'm
> > sure you see where I'm going with this.]
> >
> > The super short Hamstick elements are already a significant
>compromise
> > but then add this impedance mis-match and I'm not to eager to buy
>this
> > dipole gizmo antenna compromise. BUT if I could get to the MFG'er
>and
> > put a bug in their ear to make a same type mount for 120 degree
> > element model ---> Well I'm up for a buy and try!
> >
> > Any leads on where/who the MFG'er(s) are?
> >
> > N6JSX/0
> >
> >
>.
>
>
>[Non-text portions of this message have been removed]
>
>

[Non-text portions of this message have been removed]

3656. [ham-antennas] STEALTH=>LOOK: A [Ham radio Vertical] TV antenna [WAS:Apartment dweller-HF antenna

Yahoo group: ham-antennas (2008)
Date: 2008-01-13 18:37:07 UTC
From: Vlincoln
Topic: 3632 Message: 3656

I forgot the eham reviews:

http://www.eham.net/reviews/detail/3268

LOOK at this: A Ham radio Vertical TV antenna for stealth applications
in HOAs restricted sites, trailer parks, RV parks, on the Beach?....
LOL

<http://force12inc.com/sigmasv5gt5info-002.htm>http://force12inc.com/sigmasv5gt5info-002.h
tm

van lincoln
wd8aam

At 12:14 1/13/2008 -0600, you wrote:

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>there are mounts that use a pair of whips, like Ham sticks or other
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>I have seen a few different makes that have the mount, just don't
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>I could use my big magnet mount on my roof (metal) for HF, but with
>my dipole setup, don't need to.
>I have a set of Iron Horse whips, similar to ham sticks, that did
>well mobile when I first used them. Sweden, Finland and Russia on 20
>meter mobile in Sept 2002, and Washington to the Sacramento area on
40 mobile.
>of course, band conditions can vary, and what works one time may not
>another when conditions are not as good.
>But, one can take a pair of whips and use them as a shorter dipole
>and do fairly well at times. better than nothing.
>One can also mount a whip on top of a metal railing or fence, or a
>metal roof or awning.
>Many possible ways to do it...
>YMMV
>
>73 DE Wayne WA2YNE
>Imperial, Tejas
>
>----- Original Message -----
>From: zl1gbb
>To:
<mailto:ham-antennas%40yahoogroups.com><mailto:ham-antennas%40yahoogroups.com>ham-antennas
@yahoogroups.com
>Sent: Sunday, January 13, 2008 4:18 AM

>Subject: [ham-antennas] Re: Apartment dweller - HF antenna
>
>Have a look here...
>
><<<http://www.buddipole.com/buddistick.html>http://www.buddipole.com/buddistick.html>http
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>Are you sure you mean the Buddypole? I don't think they use hamsticks
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>"Kuby" <n6jsx@...> wrote:
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> > This buddy-pole is directed towards bare-foot HF rigs, QRP, FD, etc.
> > But being a flat Horizontal dipole the there will be a gross
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> > With just a lil more metal they could put the Hamstick elements at
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> > degrees angle (inverted V) which has the reactance of 50 ohms. [I'm
> > sure you see where I'm going with this.]
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> > The super short Hamstick elements are already a significant
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> > dipole gizmo antenna compromise. BUT if I could get to the MFG'er
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> > element model ---> Well I'm up for a buy and try!
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> > Any leads on where/who the MFG'er(s) are?
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> >
> >
>.
>
>

>[Non-text portions of this message have been removed]
>
>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

3657. Re: Noise -

Yahoo group: ham-antennas (2008)
Date: 2008-01-14 00:50:27 UTC
From: aml_stl
Topic: 3635 Message: 3657

Hi all (again) -

Thank you for the responses and suggestions...but I guess I'll leave you good folks alone as the problem doesn't appear to be the antenna...

As an update to what I've found over the last couple of days, the buzzing appears to be constant and worse on 80 as I said before.

Today, I had a friend watch the S Meter (buzz was 20+) and listen for any change in the intensity while I went to the basement and slowly cycled each circuit breaker. There was absolutely no change in the interference while tripping any breaker.

Next we each took portable AM radios and did a complete sweep of the house again, basement, attic and both yards, and up and down the alley for a "leaky" transformer. Nothing...a slight background buzzing but nothing out of the ordinary...

I went out and disconnected the strap from the ground rod at the base of the antenna thinking maybe something was getting into the cable through a dirty or rusty connection and then traveling into the house, but that made no difference either...

Interesting -- I went in and tuned the radio a bit, ignoring the buzz, and discovered the buzzing occurs at regular intervals on 40 and 80 meters -- 3.498 / 3.597 / 3.695 / 3.797 -- and 6.775 / 6.875 / 6.974 / and 7.078 on 40 etc. a 100 kc apart all over the dial. Now, I assume it's on the other bands also, just lower intensity to where it doesn't jump out at me. I've had dozens of HF radios here, they're all done it.

So anyway, thanks for all the replies and helpful suggestions, but it doesn't appear to be the antenna so I won't bore the group with further posts.

Not sure what group would be interested in this...? Anyone know?

I've got another call in for the electric companies "trouble shooter" and I will post again if this one comes up with something (4 others have not).

Thanks again!

AML

3658. RE: [ham-antennas] Re: Noise -

Yahoo group: ham-antennas (2008)
Date: 2008-01-14 01:31:03 UTC
From: James M.(Jim) Geidl
Topic: 3635 Message: 3658

Try HamRadioHelpGroup, this is just the kind of stuff people deal with
there.

Jim, K6JMG
//

> Subject: [ham-antennas] Re: Noise -
>
> Hi all (again) -
>
> Thank you for the responses and suggestions...but I guess
> I'll leave you good folks alone as the problem doesn't appear
> to be the antenna...
>
> As an update to what I've found over the last couple of days,
> the buzzing appears to be constant and worse on 80 as I said before.
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> Today, I had a friend watch the S Meter (buzz was 20+) and
> listen for any change in the intensity while I went to the
> basement and slowly cycled each circuit breaker. There was
> absolutely no change in the interference while tripping any breaker.
>
> Next we each took portable AM radios and did a complete sweep
> of the house again, basement, attic and both yards, and up
> and down the alley for a "leaky" transformer. Nothing...a
> slight background buzzing but nothing out of the ordinary...
>
> I went out and disconnected the strap from the ground rod at
> the base of the antenna thinking maybe something was getting
> into the cable through a dirty or rusty connection and then
> traveling into the house, but that made no difference either...
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> Interesting -- I went in and tuned the radio a bit, ignoring
> the buzz, and discovered the buzzing occurs at regular
> intervals on 40 and 80 meters -- 3.498 / 3.597 / 3.695 /
> 3.797 -- and 6.775 / 6.875 / 6.974 / and 7.078 on 40 etc. a
> 100 kc apart all over the dial. Now, I assume it's on the
> other bands also, just lower intensity to where it doesn't
> jump out at me. I've had dozens of HF radios here, they're
> all done it.
>
> So anyway, thanks for all the replies and helpful
> suggestions, but it doesn't appear to be the antenna so I
> won't bore the group with further posts.
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> Not sure what group would be interested in this...? Anyone know?
>
> I've got another call in for the electric companies "trouble shooter"
> and I will post again if this one comes up with something (4
> others have not).
>
> Thanks again!
>
> AML

3659. Antenna Question

Yahoo group: ham-antennas (2008)
Date: 2008-01-14 03:21:28 UTC
From: Jim
Topic: 1215 Message: 3659

Hi all,

Can anyone explain how ineffective an antenna becomes as you begin to receive signals that are not perpendicular, but almost from the end?

Thanks,
Jim

3660. Re: [ham-antennas] Antenna Question

Yahoo group: ham-antennas (2008)
Date: 2008-01-14 04:15:16 UTC
From: Stan Kozlowitz
Topic: 1215 Message: 3660

Yes, in terms of voltage. If you have a antenna that is supposed to be vertical and the normal received signal is also vertically polarized the voltage induced is let's say 1 microvolt.

Now if the antenna were leaning over at a 45 degree angle, the voltage induced would be only 0.7071 uV because the sine of 45 degrees is 0.7071.

If the antenna were horizontal, but the incoming e-field were vertically polarized, theoretically, you would get zero induced voltage because the sine of 0 degrees is 0.

Hope this helps.

Stan AA5XO

Jim <jimemack2000@...> wrote:
Hi all,

Can anyone explain how ineffective an antenna becomes as you begin to receive signals that are not perpendicular, but almost from the end?

Thanks,
Jim

Never miss a thing. Make Yahoo your homepage.

[Non-text portions of this message have been removed]

3661. RE: [ham-antennas] Antenna Question

Yahoo group: ham-antennas (2008)
Date: 2008-01-14 04:28:42 UTC
From: James M.(Jim) Geidl
Topic: 1215 Message: 3661

Stan,

What a great piece of information, thank you very much.

I interpreted his message differently. I go the impression he was talking about the difference between shooting off the end of, say a dipole, as opposed to shooting off the middle.

Jim, K6JMG
//

> Subject: Re: [ham-antennas] Antenna Question
>
> Yes, in terms of voltage. If you have a antenna that is
> supposed to be vertical and the normal received signal is
> also vertically polarized the voltage induced is let's say 1
> microvolt.
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> Now if the antenna were leaning over at a 45 degree angle,
> the voltage induced would be only 0.7071 uV because the sine
> of 45 degrees is 0.7071.
>
> If the antenna were horizontal, but the incoming e-field
> were vertically polarized, theoretically, you would get zero
> induced voltage because the sine of 0 degrees is 0.
>
> Hope this helps.
>
> Stan AA5XO
>
>
> Jim <jimemack2000@...> wrote:
> Hi all,
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> Can anyone explain how ineffective an antenna becomes as you
> begin to receive signals that are not perpendicular, but
> almost from the end?
>
> Thanks,
> Jim

3662. STEALTH=>LOOK: A [Ham radio Vertical] TV antenna [WAS:Apartment dweller-HF antenna

Yahoo group: ham-antennas (2008)
Date: 2008-01-14 08:38:31 UTC
From: N9WB
Topic: 3662 Message: 3662

This is interesting. You could tell any nosey parties that your olde antenna would not work with digital TV.

I remember when color TV first became popular in Indianapolis. I was a teen age and worked at an electronics store. The new antennas started arriving with For Color TV on the package.

We also got a kit to convert our olde stock to Color compatible. It involved a sticker to place over the original label that specified that it was compatible for Color TV.

And for those of you who are new to the electronic game, If your current antenna works good with analog TV, it should work fine with digital. I am sure a lot of places who will be selling boxes or new digital TVs will be telling customers that they need to buy a new antenna also.

Vy 73, Walt N9WB

----- Original Message -----
From: Vlincoln
To: ham-antennas@yahoogroups.com
Sent: Sunday, January 13, 2008 1:37 PM
Subject: [ham-antennas] STEALTH=>LOOK: A [Ham radio Vertical] TV antenna [WAS:Apartment dweller-HF antenna

I forgot the eham reviews:

http://www.eham.net/reviews/detail/3268

LOOK at this: A Ham radio Vertical TV antenna for stealth applications in HOAs restricted sites, trailer parks, RV parks, on the Beach?....
LOL

<http://force12inc.com/sigmasv5gt5info-002.htm>http://force12inc.com/sigmasv5gt5info-002.htm

van lincoln
wd8aam

At 12:14 1/13/2008 -0600, you wrote:

>There are various antenna setups that often get confused with other
>antennas.
>there are mounts that use a pair of whips, like Ham sticks or other
>brands, as a dipole configuration. these can do fairly well at times.
>I have seen a few different makes that have the mount, just don't

>recall which brands right now.
>I could use my big magnet mount on my roof (metal) for HF, but with
>my dipole setup, don't need to.
>I have a set of Iron Horse whips, similar to ham sticks, that did
>well mobile when I first used them. Sweden, Finland and Russia on 20
>meter mobile in Sept 2002, and Washington to the Sacramento area on
40 mobile.
>of course, band conditions can vary, and what works one time may not
>another when conditions are not as good.
>But, one can take a pair of whips and use them as a shorter dipole
>and do fairly well at times. better than nothing.
>One can also mount a whip on top of a metal railing or fence, or a
>metal roof or awning.
>Many possible ways to do it...
>YMMV
>
>73 DE Wayne WA2YNE
>Imperial, Tejas
>
>----- Original Message -----
>From: zl1gbb
>To:
<mailto:ham-antennas%40yahoogroups.com><mailto:ham-antennas%40yahoogroups.com>ham-antennas
@yahoogroups.com
>Sent: Sunday, January 13, 2008 4:18 AM
>Subject: [ham-antennas] Re: Apartment dweller - HF antenna
>
>Have a look here...
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><<<http://www.buddipole.com/buddistick.html>http://www.buddipole.com/buddistick.html>http
://www.buddipole.com/buddistick.html>
>
>Are you sure you mean the Buddypole? I don't think they use hamsticks
>at all.
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>--- In
><mailto:ham-antennas%40yahoogroups.com><mailto:ham-antennas%40yahoogroups.com>ham-antenna
s@yahoogroups.com,

>"Kuby" <n6jsx@...> wrote:
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> > Currently, I'm Contracting and living in an apartment. Of course
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> > is no attachable antennas allowed. So I've been eying the buddy-pole
> > concept but find it flawed right away.
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> > This buddy-pole is directed towards bare-foot HF rigs, QRP, FD, etc.
> > But being a flat Horizontal dipole the there will be a gross

>impedance
> > coax mis-match (300 ohms to 50 ohms).
> >
> > With just a lil more metal they could put the Hamstick elements at
>120
> > degrees angle (inverted V) which has the reactance of 50 ohms. [I'm
> > sure you see where I'm going with this.]
> >
> > The super short Hamstick elements are already a significant
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> > but then add this impedance mis-match and I'm not to eager to buy
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> > put a bug in their ear to make a same type mount for 120 degree
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> > Any leads on where/who the MFG'er(s) are?
> >
> > N6JSX/0
> >
> >
>.
>
>
>[Non-text portions of this message have been removed]
>
>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

No virus found in this incoming message.
Checked by AVG Free Edition.
Version: 7.5.516 / Virus Database: 269.19.2/1223 - Release Date: 1/13/2008
8:23 PM

3663. A (small) super!easy 40&80&160 loop with 30db F/B receive ratio on 160

Yahoo group: ham-antennas (2008)
Date: 2008-01-14 09:13:19 UTC
From: van lincoln
Topic: 3663 Message: 3663

Read this month's (February 2008) QST about putting
a loop over your tri-band beam for 40-80-160 that works
like gangbusters, and has a 30db F/B receive ratio
on 160 meters for deep nulls and ROTATES as well.

Page 37 The W6TC DX loop, by George Badger, has gotten
all the antenna people drooling....

Best idea I've seen for a LONG time!

van lincoln
wd8aam

3664. Re: Antenna Question

Yahoo group: ham-antennas (2008)
Date: 2008-01-14 13:50:53 UTC
From: Jim
Topic: 1215 Message: 3664

Hi Jim,

That is correct. I am putting up a Carolina Windom and the ends will be pointing east & west. I wasn't sure how this would affect reception and transmission in those directions. I remeber reading somewhere that the Carolina Windom may be close to omnidirecitonal, but I can't be sure.

Thanks for any info,
Jim

--- In ham-antennas@yahoogroups.com, "James M.\(Jim\) Geidl" <jgeidl@...> wrote:
>
> Stan,
>
> What a great piece of information, thank you very much.
>
> I interpreted his message differently. I go the impression he was talking
> about the difference between shooting off the end of, say a dipole, as
> opposed to shooting off the middle.
>
> Jim, K6JMG
> //
>
>
> > Subject: Re: [ham-antennas] Antenna Question
> >
> > Yes, in terms of voltage. If you have a antenna that is
> > supposed to be vertical and the normal received signal is
> > also vertically polarized the voltage induced is let's say 1
> > microvolt.
> >
> > Now if the antenna were leaning over at a 45 degree angle,
> > the voltage induced would be only 0.7071 uV because the sine
> > of 45 degrees is 0.7071.
> >
> > If the antenna were horizontal, but the incoming e-field
> > were vertically polarized, theoretically, you would get zero
> > induced voltage because the sine of 0 degrees is 0.
> >
> > Hope this helps.
> >
> > Stan AA5XO

> >
> >
> > Jim <jimemack2000@...> wrote:
> > Hi all,
> >
> > Can anyone explain how ineffective an antenna becomes as you
> > begin to receive signals that are not perpendicular, but
> > almost from the end?
> >
> > Thanks,
> > Jim
>

3665. Re: [ham-antennas] Re: Antenna Question

Yahoo group: ham-antennas (2008)
Date: 2008-01-14 14:03:53 UTC
From: W8OKN
Topic: 1215 Message: 3665

Although I cannot remember how the model looked, my Windom performs more like a vertical.

Just an FYI...
--
From the desk of W8OKN, northern Michigan

---- Jim <jimemack2000@...> wrote:

==========
Hi Jim,

That is correct. I am putting up a Carolina Windom and the ends will
be pointing east & west. I wasn't sure how this would affect
reception and transmission in those directions. I remeber reading
somewhere that the Carolina Windom may be close to omnidirecitonal,
but I can't be sure.

Thanks for any info,
Jim

--- In ham-antennas@yahoogroups.com, "James M.(Jim) Geidl"
<jgeidl@...> wrote:
>
> Stan,
>
> What a great piece of information, thank you very much.
>
> I interpreted his message differently. I go the impression he was
talking
> about the difference between shooting off the end of, say a dipole,
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> opposed to shooting off the middle.
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> > If the antenna were horizontal, but the incoming e-field
> > were vertically polarized, theoretically, you would get zero
> > induced voltage because the sine of 0 degrees is 0.
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> > Hope this helps.
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> > Stan AA5XO
> >
> >
> > Jim <jimemack2000@...> wrote:
> > Hi all,
> >
> > Can anyone explain how ineffective an antenna becomes as you
> > begin to receive signals that are not perpendicular, but
> > almost from the end?
> >
> > Thanks,
> > Jim
>

3666. Re: [ham-antennas] Antenna Question

Yahoo group: ham-antennas (2008)
Date: 2008-01-14 14:05:38 UTC
From: Leonard K. Pennock
Topic: 1215 Message: 3666

It varies with antenna type. When you look at a G5RV at higher frequencies it isn't bad at all. A 1/2 wave dipole at resonant frequency is almost a null. You kind of need a modeling program to look at the antenna you are going to run.

Jim wrote:
> Hi all,
>
> Can anyone explain how ineffective an antenna becomes as you begin to
> receive signals that are not perpendicular, but almost from the end?
>
> Thanks,
> Jim
>
>

--
Leonard K. Pennock
AD7AS

Those who walk bravely through life, unafraid of loss or failure,
find that they very rarely lose or fail.

3667. Re: Antenna Question

Yahoo group: ham-antennas (2008)
Date: 2008-01-14 15:39:47 UTC
From: Jim
Topic: 1215 Message: 3667

My understanding is that the Carolina Windom has vertical polarization by design. Shouldn't that give me a somewhat omnidirectional pattern?

Jim

--- In ham-antennas@yahoogroups.com, "Leonard K. Pennock" <leonardpennock@...> wrote:
>
> It varies with antenna type. When you look at a G5RV at higher
> frequencies it isn't bad at all. A 1/2 wave dipole at resonant
> frequency is almost a null. You kind of need a modeling program to look
> at the antenna you are going to run.
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> > Can anyone explain how ineffective an antenna becomes as you begin to
> > receive signals that are not perpendicular, but almost from the end?
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> > Thanks,
> > Jim
> >
> >
>
>
> --
> Leonard K. Pennock
> AD7AS
>
> Those who walk bravely through life, unafraid of loss or failure,
> find that they very rarely lose or fail.
>

3668. Airport Control Towers And Polarization ?

Yahoo group: ham-antennas (2008)
Date: 2008-01-14 17:13:20 UTC
From: rmrrgs
Topic: 3668 Message: 3668

Hello,

Have a new handheld scanner; GRE 500 model.
Has a rubber duckie for its antenna, which is pretty typical for these kind of scanners, of course.

Tried listening to an airport Control Tower (118.5 MHz AM), about 5 miles from the house.

Here's what I found playing around.

When the unit is held normally, that is with the antenna vertical, the airport comms from the Tower were really poor.
Lots of static and noise.

But, much better when held horizontally.
a. Any idea why ?

I would have thought that their antennas would be polarized vertically to communicate with planes.

b. any idea how airport Control Tower antennas are likely polarized (if at all) ?

c. and this one really confuses me.

The best reception, by far, is if I point the antenna vertically, but DOWNWARD ! Big difference from vertically up.

Wouldn't vertically up, and vertically down be identical and symmetrically the same re polarization, reception, etc. ?

Thanks,
Bob

3669. Re: [ham-antennas] Re: Antenna Question

Yahoo group: ham-antennas (2008)
Date: 2008-01-14 17:18:12 UTC
From: Joe Dube
Topic: 1215 Message: 3669

The carolina windom has current balun at the top and a decoupling balun at the end of the vertical portion. If I am not mistaken this removes almost completely any radiation from that section of the antenna so basically what you are dealing with is an off center fed dipole. If it is erected 1/2 wave above the ground then direction would be a valid concern but if it is lower then it would be an omni drectional type of antenna. Just my understanding of the theory.

Joe K4TR

----- Original Message -----
From: Jim
To: ham-antennas@yahoogroups.com
Sent: Monday, January 14, 2008 10:39 AM
Subject: [ham-antennas] Re: Antenna Question

My understanding is that the Carolina Windom has vertical
polarization by design. Shouldn't that give me a somewhat
omnidirectional pattern?

Jim

--- In ham-antennas@yahoogroups.com, "Leonard K. Pennock"
<leonardpennock@...> wrote:
>
> It varies with antenna type. When you look at a G5RV at higher
> frequencies it isn't bad at all. A 1/2 wave dipole at resonant
> frequency is almost a null. You kind of need a modeling program to
look
> at the antenna you are going to run.
>
> Jim wrote:
> > Hi all,
> >
> > Can anyone explain how ineffective an antenna becomes as you
begin to
> > receive signals that are not perpendicular, but almost from the
end?
> >
> > Thanks,
> > Jim
> >
> >
>
>
> --
> Leonard K. Pennock

> AD7AS
>
> Those who walk bravely through life, unafraid of loss or failure,
> find that they very rarely lose or fail.
>

No virus found in this incoming message.
Checked by AVG Free Edition.
Version: 7.5.516 / Virus Database: 269.19.2/1223 - Release Date: 1/13/2008 8:23 PM

[Non-text portions of this message have been removed]

3670. Re: Antenna Question

Yahoo group: ham-antennas (2008)
Date: 2008-01-14 17:49:59 UTC
From: Puck
Topic: 1215 Message: 3670

--- In ham-antennas@yahoogroups.com, "Joe Dube" <jdube1@...> wrote:
>
> The carolina windom has current balun at the top and a decoupling balun at the end of the vertical portion. If I am not mistaken this removes almost completely any radiation from that section of the antenna so basically what you are dealing with is an off center fed dipole. If it is erected 1/2 wave above the ground then direction would be a valid concern but if it is lower then it would be an omni directional type of antenna. Just my understanding of the theory.
>
> Joe K4TR
>

Not true according to the Radio Works' description from their catalog:

"The CAROLINA WINDOM was the first antenna to take advantage of `VERTtm' (Vertically Enhanced Radiation Technique). `VERTtm' is a radiating feed line technique that produces a controlled, low angle vertical radiation pattern. The effect is absent from most ordinary antennas. Field tests, user reports and seven product reviews confirm that the CAROLINA WINDOM will give you a remarkable performance advantage...
The Real Secret
It's the Vertical Radiator. Combined with the Dedicated Matching it is responsible for the low-angle, vertical radiation pattern."

Puck, W4PM

3671. Antenna Question

Yahoo group: ham-antennas (2008)
Date: 2008-01-14 18:05:54 UTC
From: Bill Coulson
Topic: 1215 Message: 3671

Why does the G5RV like to have at least 70 feet of coax to work correctly?

Bill Coulson
Colville, WA

[Non-text portions of this message have been removed]

3672. Re: [ham-antennas] Re: Antenna Question

Yahoo group: ham-antennas (2008)
Date: 2008-01-14 18:22:39 UTC
From: Joe Dube
Topic: 1215 Message: 3672

I am well aware of what the adds says BUT can you explain to me how a matching device that is used to keep rf off the outside of that piece of coax is going to radiate anything if it is working like it is supposed to??????? Then there is the line isolator to inhibit anything that the first device missed. If you can explain that to me then I will agree with you however I have seen too many matching devices such as the one decsribed here burn up because they were being used on a frequency that was lower than the antenna was designed for. In most case the high current point that is located 1/4 wave from the end of the antenna wire is trying to get passed the the matching device into the lower portion of the antena, in this case the coax. Not being able to do this, the matching device heats up and the permiabilty of the the the baluns cores change value ultimately breaking down altogether and cease to function. Then the antenna does not work at all until you either replace the balun or remove it altogether. Of this is only been my experience . Seems like the Radio works guy just threw that paragraph in on the bottom of the add though as a second thought or something. Anyway like I said last time these observations come from my 40 years of hands on type of experience with this stuff and probably doesn't amout to a hill of beans to anyone else but me. Have a nice day there Puck!

Joe K4TR

----- Original Message -----
From: Puck
To: ham-antennas@yahoogroups.com
Sent: Monday, January 14, 2008 12:49 PM
Subject: [ham-antennas] Re: Antenna Question

--- In ham-antennas@yahoogroups.com, "Joe Dube" <jdube1@...> wrote:
>
> The carolina windom has current balun at the top and a decoupling balun at the end of the vertical portion. If I am not mistaken this removes almost completely any radiation from that section of the antenna so basically what you are dealing with is an off center fed dipole. If it is erected 1/2 wave above the ground then direction would be a valid concern but if it is lower then it would be an omni drectional type of antenna. Just my understanding of the theory.
>
> Joe K4TR
>

Not true according to the Radio Works' description from their catalog:

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Puck, W4PM

No virus found in this incoming message.
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Version: 7.5.516 / Virus Database: 269.19.2/1223 - Release Date: 1/13/2008 8:23 PM

[Non-text portions of this message have been removed]

3673. Re: [ham-antennas] Antenna Question

Yahoo group: ham-antennas (2008)
Date: 2008-01-14 18:26:39 UTC
From: Joe Dube
Topic: 1215 Message: 3673

It has to do with capacity (inductive and capacitive reatance) of the coax that this length of coax displays to the transmitter. The antenna works with other lengths of coax but I think it works the best on all bands with the 70 feet or more length. It s easier to tune with a tuner and on some bands the SWR may actually be at a reasonable level to where you don't even have to use a tuner.

Joe K4TR

----- Original Message -----
From: Bill Coulson
To: ham-antennas@yahoogroups.com
Sent: Monday, January 14, 2008 1:05 PM
Subject: [ham-antennas] Antenna Question

Why does the G5RV like to have at least 70 feet of coax to work correctly?

Bill Coulson
Colville, WA

[Non-text portions of this message have been removed]

No virus found in this incoming message.
Checked by AVG Free Edition.
Version: 7.5.516 / Virus Database: 269.19.2/1223 - Release Date: 1/13/2008 8:23 PM

[Non-text portions of this message have been removed]

3674. Re: [ham-antennas] Antenna Question

Yahoo group: ham-antennas (2008)
Date: 2008-01-14 19:43:10 UTC
From: qrp_1@juno.com
Topic: 1215 Message: 3674

Why does the G5RV like to have at least 70 feet of coax to work correctly?
[snip]

Simple, the extra loss makes it easier to tune ! (maybe) But its probably supposed to be some sort of coaxial impedance transformer. I prefer to skip the coax and use balanced feedline all the way to the shack to help eliminate losses.

73
Rick
KC8AON

_____
Rock Solid Web Hosting. Click Here.
http://thirdpartyoffers.juno.com/TGL2121/fc/Ioyw6i3nBPW6H1D9spJmazptagBY1sCxxWvbBzg2rZxQec2wxeaFuA/

3675. Re: Antenna Question

Yahoo group: ham-antennas (2008)
Date: 2008-01-14 19:56:48 UTC
From: Jim
Topic: 1215 Message: 3675

Well, it seems to get rave reviews, so it can't be all that bad. I'm sure word would've gotten around by now if it didn't deliver to expectations. Things like that would spread like wildfire.

Has anyone read a bad review of the Carolina Windom?

Jim

--- In ham-antennas@yahoogroups.com, "Joe Dube" <jdube1@...> wrote:
>
> I am well aware of what the adds says BUT can you explain to me how a matching device that is used to keep rf off the outside of that piece of coax is going to radiate anything if it is working like it is supposed to??????? Then there is the line isolator to inhibit anything that the first device missed. If you can explain that to me then I will agree with you however I have seen too many matching devices such as the one decsribed here burn up because they were being used on a frequency that was lower than the antenna was designed for. In most case the high current point that is located 1/4 wave from the end of the antenna wire is trying to get passed the the matching device into the lower portion of the antena, in this case the coax. Not being able to do this, the matching device heats up and the permiabilty of the the the baluns cores change value ultimately breaking down altogether and cease to function. Then the antenna does not work at all until you either replace the balun or remove it altogether. Of this is only been my experience . Seems like the Radio works guy just threw that paragraph in on the bottom of the add though as a second thought or something. Anyway like I said last time these observations come from my 40 years of hands on type of experience with this stuff and probably doesn't amout to a hill of beans to anyone else but me. Have a nice day there Puck!
>
> Joe K4TR

3676. Re: Antenna Question

Yahoo group: ham-antennas (2008)
Date: 2008-01-14 20:57:27 UTC
From: Puck
Topic: 1215 Message: 3676

--- In ham-antennas@yahoogroups.com, "Jim" <jimemack2000@...> wrote:
>
> Well, it seems to get rave reviews, so it can't be all that bad.
I'm
> sure word would've gotten around by now if it didn't deliver to
> expectations. Things like that would spread like wildfire.
>
> Has anyone read a bad review of the Carolina Windom?
>
> Jim
>
> --- In ham-antennas@yahoogroups.com, "Joe Dube" <jdube1@> wrote:
> >
> > I am well aware of what the adds says BUT can you explain to me
> how a matching device that is used to keep rf off the outside of
that
> piece of coax is going to radiate anything if it is working like it
> is supposed to??????? Then there is the line isolator to inhibit
> anything that the first device missed. If you can explain that to
me
> then I will agree with you however I have seen too many matching
> devices such as the one decsribed here burn up because they were
> being used on a frequency that was lower than the antenna was
> designed for. In most case the high current point that is located
> 1/4 wave from the end of the antenna wire is trying to get passed
the
> the matching device into the lower portion of the antena, in this
> case the coax. Not being able to do this, the matching device
heats
> up and the permiabilty of the the the baluns cores change value
> ultimately breaking down altogether and cease to function. Then
the
> antenna does not work at all until you either replace the balun or
> remove it altogether. Of this is only been my experience . Seems
> like the Radio works guy just threw that paragraph in on the bottom
> of the add though as a second thought or something. Anyway like I
> said last time these observations come from my 40 years of hands on
> type of experience with this stuff and probably doesn't amout to a
> hill of beans to anyone else but me. Have a nice day there Puck!
> >
> > Joe K4TR

Your are making the assumption that the Carolina Windom has a current
balun at the top. That's not true according to Radio Works
explaination:

"The 'Dedicated Matching Unit' used to match the transmission line (coax feed line) to the antenna is a special design that enhances transmission line radiation. Part of the coaxial feedline serves not only as the transmission line (or feed line) but, simultaneously, serves as a vertical radiator. The wire portion of the antenna is the counterpoise for the vertical radiator. The result is an inverted-vertical antenna located high in the air and free of ground losses. It is a very efficient vertical antenna."

As you know an off center fed antenna like a windom is inherently unbalanced. I would assume the "matching unit" is a type of voltage balun so the currents remain unbalanced on that part of the unbalanced coax feedline which serves as the vertical radiator. Their "line isolator" at the bottom is the RF choke or current balun used to prevent radiation from the coax feed from the "line isolator" to the rig.

I don't have this antenna and can't verify the claims but the theory behind this type of antenna seems pretty logical to me.

Puck, W4PM

3677. Re: [ham-antennas] Re: Antenna Question

Yahoo group: ham-antennas (2008)
Date: 2008-01-14 21:10:57 UTC
From: Joe Dube
Topic: 1215 Message: 3677

Puck
I never said that it didn't get rave reviews all I said was the the vertical polarize signal was a bit suspect because of the two matching and isolating devices therefore I wouldn't worry too much about omni directional wave pattern a high antenna heights. At low levels on the lower bands MOST all the siginal will be going straight up in the air as opposed to out a low take off angle so orientation would not be an issue. I didn't try to start anything with you there buddy!!!! Can we still be friends!!!! hahahahahahah

Joe K4TR

----- Original Message -----
From: Puck
To: ham-antennas@yahoogroups.com
Sent: Monday, January 14, 2008 3:57 PM
Subject: [ham-antennas] Re: Antenna Question

--- In ham-antennas@yahoogroups.com, "Jim" <jimemack2000@...> wrote:
>
> Well, it seems to get rave reviews, so it can't be all that bad.
I'm
> sure word would've gotten around by now if it didn't deliver to
> expectations. Things like that would spread like wildfire.
>
> Has anyone read a bad review of the Carolina Windom?
>
> Jim
>
> --- In ham-antennas@yahoogroups.com, "Joe Dube" <jdube1@> wrote:
> >
> > I am well aware of what the adds says BUT can you explain to me
> how a matching device that is used to keep rf off the outside of
that
> piece of coax is going to radiate anything if it is working like it
> is supposed to??????? Then there is the line isolator to inhibit
> anything that the first device missed. If you can explain that to
me
> then I will agree with you however I have seen too many matching
> devices such as the one decsribed here burn up because they were
> being used on a frequency that was lower than the antenna was
> designed for. In most case the high current point that is located
> 1/4 wave from the end of the antenna wire is trying to get passed
the
> the matching device into the lower portion of the antena, in this
> case the coax. Not being able to do this, the matching device
heats
> up and the permiabilty of the the the baluns cores change value

> ultimately breaking down altogether and cease to function. Then
the
> antenna does not work at all until you either replace the balun or
> remove it altogether. Of this is only been my experience . Seems
> like the Radio works guy just threw that paragraph in on the bottom
> of the add though as a second thought or something. Anyway like I
> said last time these observations come from my 40 years of hands on
> type of experience with this stuff and probably doesn't amout to a
> hill of beans to anyone else but me. Have a nice day there Puck!
> >
> > Joe K4TR

Your are making the assumption that the Carolina Windom has a current
balun at the top. That's not true according to Radio Works
explaination:

"The 'Dedicated Matching Unit' used to match the transmission line
(coax feed line) to the antenna is a special design that enhances
transmission line radiation. Part of the coaxial feedline serves not
only as the transmission line (or feed line) but, simultaneously,
serves as a vertical radiator. The wire portion of the antenna is the
counterpoise for the vertical radiator. The result is an inverted-
vertical antenna located high in the air and free of ground losses.
It is a very efficient vertical antenna."

As you know an off center fed antenna like a windom is inherently
unbalanced. I would assume the "matching unit" is a type of voltage
balun so the currents remain unbalanced on that part of the
unbalanced coax feedline which serves as the vertical radiator.
Their "line isolator" at the bottom is the RF choke or current balun
used to prevent radiation from the coax feed from the "line isolator"
to the rig.

I don't have this antenna and can't verify the claims but the theory
behind this type of antenna seems pretty logical to me.

Puck, W4PM

No virus found in this incoming message.
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Version: 7.5.516 / Virus Database: 269.19.2/1223 - Release Date: 1/13/2008 8:23 PM

[Non-text portions of this message have been removed]

3678. Re: [ham-antennas] Antenna Question

Yahoo group: ham-antennas (2008)
Date: 2008-01-14 21:26:04 UTC
From: W8OKN
Topic: 1215 Message: 3678

For matching purposes, and has nothing to do with performance. In fact, the antenna doesn't perform as well as a dipole fed with ladder line. The G5RV has coaxial losses.
--
From the desk of W8OKN, northern Michigan

---- Bill Coulson <wcoulson@...> wrote:

==========
Why does the G5RV like to have at least 70 feet of coax to work correctly?

Bill Coulson
Colville, WA

[Non-text portions of this message have been removed]

3679. Re: [ham-antennas] Re: Antenna Question

Yahoo group: ham-antennas (2008)
Date: 2008-01-14 21:27:07 UTC
From: W8OKN
Topic: 1215 Message: 3679

I use a Windom and it has excellent vertical radiation.
--
From the desk of W8OKN, northern Michigan

---- Puck <hmmjr@...> wrote:

==========
--- In ham-antennas@yahoogroups.com, "Joe Dube" <jdube1@...> wrote:
>
> The carolina windom has current balun at the top and a decoupling
balun at the end of the vertical portion. If I am not mistaken this
removes almost completely any radiation from that section of the
antenna so basically what you are dealing with is an off center fed
dipole. If it is erected 1/2 wave above the ground then direction
would be a valid concern but if it is lower then it would be an omni
drectional type of antenna. Just my understanding of the theory.
>
> Joe K4TR
>

Not true according to the Radio Works' description from their catalog:

"The CAROLINA WINDOM was the first antenna to take advantage
of `VERTtm' (Vertically Enhanced Radiation Technique). `VERTtm' is a
radiating feed line technique that produces a controlled, low angle
vertical radiation pattern. The effect is absent from most ordinary
antennas. Field tests, user reports and seven product reviews confirm
that the CAROLINA WINDOM will give you a remarkable performance
advantage...
The Real Secret
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it is responsible for the low-angle, vertical radiation pattern."

Puck, W4PM

3680. Re: [ham-antennas] Re: Antenna Question

Yahoo group: ham-antennas (2008)
Date: 2008-01-14 21:28:22 UTC
From: W8OKN
Topic: 1215 Message: 3680

Mostly true, yes.
--
From the desk of W8OKN, northern Michigan

---- Jim <jimemack2000@...> wrote:

==========
My understanding is that the Carolina Windom has vertical
polarization by design. Shouldn't that give me a somewhat
omnidirectional pattern?

Jim

--- In ham-antennas@yahoogroups.com, "Leonard K. Pennock"
<leonardpennock@...> wrote:
>
> It varies with antenna type. When you look at a G5RV at higher
> frequencies it isn't bad at all. A 1/2 wave dipole at resonant
> frequency is almost a null. You kind of need a modeling program to
look
> at the antenna you are going to run.
>
> Jim wrote:
> > Hi all,
> >
> > Can anyone explain how ineffective an antenna becomes as you
begin to
> > receive signals that are not perpendicular, but almost from the
end?
> >
> > Thanks,
> > Jim
> >
> >
>
>
> --
> Leonard K. Pennock
> AD7AS
>
> Those who walk bravely through life, unafraid of loss or failure,
> find that they very rarely lose or fail.
>

3681. Re: [ham-antennas] Re: Antenna Question

Yahoo group: ham-antennas (2008)
Date: 2008-01-14 21:28:55 UTC
From: Bill
Topic: 1215 Message: 3681

Here is a link
http://radioworks.com/ccwcover.html

Bill In Ohio...kc8ilp.....

Puck <hmmjr@...> wrote: --- In ham-antennas@yahoogroups.com, "Joe Dube" <jdube1@...>
wrote:
>
> The carolina windom has current balun at the top and a decoupling
balun at the end of the vertical portion. If I am not mistaken this
removes almost completely any radiation from that section of the
antenna so basically what you are dealing with is an off center fed
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> Joe K4TR
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Puck, W4PM

[Non-text portions of this message have been removed]

3682. Re: [ham-antennas] Re: Antenna Question

Yahoo group: ham-antennas (2008)
Date: 2008-01-14 21:30:22 UTC
From: W8OKN
Topic: 1215 Message: 3682

That's not the original Windom, that is someone's design to make an attempt to improve the design.
--
From the desk of W8OKN, northern Michigan

---- Bill <daytonohio@...> wrote:

==========
Here is a link
http://radioworks.com/ccwcover.html

Bill In Ohio...kc8ilp.....

Puck <hmmjr@...> wrote: --- In ham-antennas@yahoogroups.com, "Joe Dube" <jdube1@...> wrote:
>
> The carolina windom has current balun at the top and a decoupling balun at the end of the vertical portion. If I am not mistaken this removes almost completely any radiation from that section of the antenna so basically what you are dealing with is an off center fed dipole. If it is erected 1/2 wave above the ground then direction would be a valid concern but if it is lower then it would be an omni drectional type of antenna. Just my understanding of the theory.
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The Real Secret
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Puck, W4PM

[Non-text portions of this message have been removed]

3683. Re: [ham-antennas] Re: Antenna Question

Yahoo group: ham-antennas (2008)
Date: 2008-01-14 21:48:49 UTC
From: Bill
Topic: 1215 Message: 3683

Thank you. my error... Any links to the original Windom. You say " to attempt to improve the design "..., Sounds like maybe it wasn't a very successful attempt. More info if you please...Thanks..

Bill In Ohio...kc8ilp.....
http://www.kc8ilp.bravehost.com/

W8OKN <w8okn@...> wrote: That's not the original Windom, that is someone's design to make an attempt to improve the design.
--
From the desk of W8OKN, northern Michigan

---- Bill <daytonohio@...> wrote:

==========
Here is a link
http://radioworks.com/ccwcover.html

Bill In Ohio...kc8ilp.....

Puck <hmmjr@...> wrote: --- In ham-antennas@yahoogroups.com, "Joe Dube" <jdube1@...> wrote:
>
> The carolina windom has current balun at the top and a decoupling balun at the end of the vertical portion. If I am not mistaken this removes almost completely any radiation from that section of the antenna so basically what you are dealing with is an off center fed dipole. If it is erected 1/2 wave above the ground then direction would be a valid concern but if it is lower then it would be an omni drectional type of antenna. Just my understanding of the theory.
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Puck, W4PM

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

3684. Re: [ham-antennas] Re: Antenna Question

Yahoo group: ham-antennas (2008)
Date: 2008-01-14 21:58:42 UTC
From: W8OKN
Topic: 1215 Message: 3684

The antenna described now as a Windom antenna isn't really a Windom. The Windom was developed by Loren G Windom and described in QST September 1929.

Basically, the first one was a dipole fed at about 1/3 of its length. It was not coax-fed, but fed with a single line and tuned against ground. I use this antenna at my QTH in Michigan.

What we now call a Windom is a dipole fed at 1/3 the length with coax. You must use a balun. The balun is a often a 6:1 type, sometimes a 4:1. A Windom made for 80m will also work fine on 40,20 and 10. With a tuner it can work on 30/17 and 12.
--
From the desk of W8OKN, northern Michigan

---- Bill <daytonohio@...> wrote:

==========
Thank you. my error... Any links to the original Windom. You say " to attempt to improve the design "..., Sounds like maybe it wasn't a very successful attempt. More info if you please...Thanks..

Bill In Ohio...kc8ilp.....
http://www.kc8ilp.bravehost.com/

W8OKN <w8okn@...> wrote: That's not the original Windom, that is someone's design to make an attempt to improve the design.
--
From the desk of W8OKN, northern Michigan

---- Bill <daytonohio@...> wrote:

==========
Here is a link
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Bill In Ohio...kc8ilp.....

Puck <hmmjr@...> wrote: --- In ham-antennas@yahoogroups.com, "Joe Dube" <jdube1@...> wrote:
>
> The carolina windom has current balun at the top and a decoupling balun at the end of the vertical portion. If I am not mistaken this removes almost completely any radiation from that section of the antenna so basically what you are dealing with is an off center fed dipole. If it is erected 1/2 wave above the ground then direction would be a valid concern but if it is lower then it would be an omni drectional type of antenna. Just my understanding of the theory.
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> Joe K4TR
>

Not true according to the Radio Works' description from their catalog:

"The CAROLINA WINDOM was the first antenna to take advantage
of `VERTtm' (Vertically Enhanced Radiation Technique). `VERTtm' is a
radiating feed line technique that produces a controlled, low angle
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antennas. Field tests, user reports and seven product reviews confirm
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Puck, W4PM

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

3685. Re: [ham-antennas] Re: Antenna Question

Yahoo group: ham-antennas (2008)
Date: 2008-01-14 22:03:35 UTC
From: W8OKN
Topic: 1215 Message: 3685

This looks pretty good... He has two variants here. An improvement by G3WOE?, but he also shows the original W8GZ antenna with NO balun. Then at the bottom he provides his feedback on the Carolina Windom, which is not too flattering.

http://www.g3woe.com/G3WOE/Windom.html

--
From the desk of W8OKN, northern Michigan

---- Bill <daytonohio@...> wrote:

==========
Thank you. my error... Any links to the original Windom. You say " to attempt to improve the design "..., Sounds like maybe it wasn't a very successful attempt. More info if you please...Thanks..

Bill In Ohio...kc8ilp.....
http://www.kc8ilp.bravehost.com/

W8OKN <w8okn@...> wrote: That's not the original Windom, that is someone's design to make an attempt to improve the design.
--
From the desk of W8OKN, northern Michigan

---- Bill <daytonohio@...> wrote:

==========
Here is a link
http://radioworks.com/ccwcover.html

Bill In Ohio...kc8ilp.....

Puck <hmmjr@...> wrote: --- In ham-antennas@yahoogroups.com, "Joe Dube" <jdube1@...> wrote:
>
> The carolina windom has current balun at the top and a decoupling
balun at the end of the vertical portion. If I am not mistaken this
removes almost completely any radiation from that section of the
antenna so basically what you are dealing with is an off center fed
dipole. If it is erected 1/2 wave above the ground then direction
would be a valid concern but if it is lower then it would be an omni
drectional type of antenna. Just my understanding of the theory.
>
> Joe K4TR
>

Not true according to the Radio Works' description from their catalog:

"The CAROLINA WINDOM was the first antenna to take advantage of `VERTtm' (Vertically Enhanced Radiation Technique). `VERTtm' is a radiating feed line technique that produces a controlled, low angle vertical radiation pattern. The effect is absent from most ordinary antennas. Field tests, user reports and seven product reviews confirm that the CAROLINA WINDOM will give you a remarkable performance advantage...
The Real Secret
It's the Vertical Radiator. Combined with the Dedicated Matching it is responsible for the low-angle, vertical radiation pattern."

Puck, W4PM

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

3686. Re: Antenna Question

Yahoo group: ham-antennas (2008)
Date: 2008-01-14 22:10:55 UTC
From: Puck
Topic: 1215 Message: 3686

--- In ham-antennas@yahoogroups.com, "Joe Dube" <jdube1@...> wrote:
>
> Puck
> I never said that it didn't get rave reviews all I said was the the vertical polarize signal was a bit suspect because of the two matching and isolating devices therefore I wouldn't worry too much about omni directional wave pattern a high antenna heights. At low levels on the lower bands MOST all the siginal will be going straight up in the air as opposed to out a low take off angle so orientation would not be an issue. I didn't try to start anything with you there buddy!!!! Can we still be friends!!!! hahahahahahah
>
>
> Joe K4TR
>
I didn't think you were trying to start anything! I was just trying to explain why the Radio Works antenna just may work as they say it does. I didn't mention the "rave reviews", someone else did. I have used such an antenna at field day and it did indeed perform well for working west coast stations on 80 meters when installed at a relatively low height. Sure, we can be friends. Sometimes the written word can be taked much differently than a face to face conversation. I intended no offense to you nor did I assume any from your post. Keep the transmitter pumping out the radio waves and tickling whatever antenna you prefer.

Speaking of which, I guess I'm a bit old school and prefer a balanced antenna fed with open wire or ladder line feeders to a balanced tuner. The only coax in my shack is a short piece running from the rig to the tuner!

73,
Puck

3687. Re: [ham-antennas] Re: Antenna Question

Yahoo group: ham-antennas (2008)
Date: 2008-01-14 22:34:54 UTC
From: Geoff Hegarty
Topic: 1215 Message: 3687

Who is this Carolina Windom anyway? And whoever she is, let's not as polite amateurs be unflattering.

Geoff VK2HQA.

W8OKN wrote:
>
> This looks pretty good... He has two variants here. An improvement by
> G3WOE?, but he also shows the original W8GZ antenna with NO balun.
> Then at the bottom he provides his feedback on the Carolina Windom,
> which is not too flattering.
>
> <http://www.g3woe.com/G3WOE/Windom.html>
>
>

3688. Re: Antenna Question

Yahoo group: ham-antennas (2008)
Date: 2008-01-14 23:03:17 UTC
From: Jim
Topic: 1215 Message: 3688

Here...I found an article expaining how the Carolina Windom WOrks:

Some early versions of the Windom antenna used balanced twin lead in combination with a 4:1 balun. Those designs did not have balanced feed, but used balanced twin-lead feedline. Windoms fed with balanced line do not take advantage of the 'Vertically Enhanced Radiation Technique.'

Enhanced Vertical Radiation due to the inverted Vertical Radiator The CAROLINA WINDOM, on the other hand, takes advantage and improves on the off-center design. In the CAROLINA WINDOM, the current in each of the wire radiator sections is out of balance. Coaxial cable (which is not a balanced line) will radiate when the voltage and phase relationships are not properly balanced.

Special Matching Transformer The 'Dedicated Matching Unit' used to match the transmission line (coax feed line) to the antenna is a special design that enhances transmission line radiation. Part of the coaxial feedline serves not only as the transmission line (or feed line) but, simultaneously, serves as a vertical radiator. The wire portion of the antenna is the counterpoise for the vertical radiator. The result is an inverted-vertical antenna located high in the air and free of ground losses. It is a very efficient vertical antenna.

Flat-top, Inverted-V The combination of horizontal high angle radiation and vertical low angle radiation accounts for the excellent performance of the CAROLINA WINDOM both locally and long haul (DX).

Line Isolator The LINE ISOLATOR effectively separates the transmission line portion of the cable from the radiating portion. Vertical radiator length is predictable and repeatable.

THE SECRET A 'Line Isolator' is placed in series with the transmission line at a critical point. The Line Isolator provides a large inductive reactance at the insertion point (the action is similar to an RF choke). This effectively eliminates transmission line radiation beyond the point where it is inserted into the transmission line.

So, this is the secret of the CAROLINA WINDOM'S remarkable performance. It's the vertical radiator. It is not some sort of 'black magic' or 'hype' as some speculate, its performance is quite real and explainable.

Jim

3689. Re: [ham-antennas] Re: Antenna Question

Yahoo group: ham-antennas (2008)
Date: 2008-01-14 23:04:52 UTC
From: Bill
Topic: 1215 Message: 3689

Thanks for the info...(I have a small Back yard area, 85 feet by 45 feet appx...) I am looking for a new type of wire antenna to put up. I like trying The different types of Homebrew wire antennas.
My current antenna is a 229 foot end fed random long wire strung around the property with the highest point about 70 feet or so up in a big pine tree. (Maybe More) Seems to work all HF bands (160 to 10 Meters) with a manual tuner very well... Alot better that I thought it would....For local and Dx...You gotta have a good ground though...20 meters was rough at first but then I added a 20 meter counterpoise and Wa Laa Hi Hi... Thanks again for the info and the correction..

I wonder if more counterpoise wire would improve this antenna further ? Any thoughts ???

My Furthest Dx contacts with my current antenna is Croatia , Italy, and Ireland. It just amazes me that a piece of wire can talk so far...And all it cost me was the price of the wire. (And a little Beer for the guy that climbed up that tree for me. The beer was AFTER the climb...Hi Hi...)

I'm just begining to learn about and try the different types of wire antennas....73's..

Bill In Ohio.....kc8ilp

W8OKN <w8okn@...> wrote: This looks pretty good... He has two variants here. An improvement by G3WOE?, but he also shows the original W8GZ antenna with NO balun. Then at the bottom he provides his feedback on the Carolina Windom, which is not too flattering.

http://www.g3woe.com/G3WOE/Windom.html

--
From the desk of W8OKN, northern Michigan

---- Bill <daytonohio@...> wrote:

==========
Thank you. my error... Any links to the original Windom. You say " to attempt to improve the design "..., Sounds like maybe it wasn't a very successful attempt. More info if you please...Thanks..

Bill In Ohio...kc8ilp.....
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W8OKN <w8okn@...> wrote: That's not the original Windom, that is someone's design to make an attempt to improve the design.
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From the desk of W8OKN, northern Michigan

---- Bill <daytonohio@...> wrote:

==========
Here is a link
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Puck <hmmjr@...> wrote: --- In ham-antennas@yahoogroups.com, "Joe Dube" <jdube1@...>
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antenna so basically what you are dealing with is an off center fed
dipole. If it is erected 1/2 wave above the ground then direction
would be a valid concern but if it is lower then it would be an omni
drectional type of antenna. Just my understanding of the theory.
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Not true according to the Radio Works' description from their catalog:

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of `VERTtm' (Vertically Enhanced Radiation Technique). `VERTtm' is a
radiating feed line technique that produces a controlled, low angle
vertical radiation pattern. The effect is absent from most ordinary
antennas. Field tests, user reports and seven product reviews confirm
that the CAROLINA WINDOM will give you a remarkable performance
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The Real Secret
It's the Vertical Radiator. Combined with the Dedicated Matching
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Puck, W4PM

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[Non-text portions of this message have been removed]

3690. Re: [ham-antennas] Re: Antenna Question

Yahoo group: ham-antennas (2008)
Date: 2008-01-15 00:49:22 UTC
From: W8OKN
Topic: 1215 Message: 3690

Think less in terms of counterpoise and more along the lines of a radial system. And I do believe that more radials would help you tremendously.
--
From the desk of W8OKN, northern Michigan

---- Bill <daytonohio@...> wrote:

==========
Thanks for the info...(I have a small Back yard area, 85 feet by 45 feet appx...) I am looking for a new type of wire antenna to put up. I like trying The different types of Homebrew wire antennas.
My current antenna is a 229 foot end fed random long wire strung around the property with the highest point about 70 feet or so up in a big pine tree. (Maybe More) Seems to work all HF bands (160 to 10 Meters) with a manual tuner very well... Alot better that I thought it would....For local and Dx...You gotta have a good ground though...20 meters was rough at first but then I added a 20 meter counterpoise and Wa Laa Hi Hi... Thanks again for the info and the correction..

I wonder if more counterpoise wire would improve this antenna further ? Any thoughts ???

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I'm just begining to learn about and try the different types of wire antennas....73's..

Bill In Ohio.....kc8ilp

W8OKN <w8okn@...> wrote: This looks pretty good... He has two variants here. An improvement by G3WOE?, but he also shows the original W8GZ antenna with NO balun. Then at the bottom he provides his feedback on the Carolina Windom, which is not too flattering.

http://www.g3woe.com/G3WOE/Windom.html

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From the desk of W8OKN, northern Michigan

---- Bill <daytonohio@...> wrote:

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Bill In Ohio...kc8ilp.....
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---- Bill <daytonohio@...> wrote:

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Here is a link
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>
> Joe K4TR
>

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The Real Secret
It's the Vertical Radiator. Combined with the Dedicated Matching it is responsible for the low-angle, vertical radiation pattern."

Puck, W4PM

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3691. Re: [ham-antennas] Antenna Question

Yahoo group: ham-antennas (2008)
Date: 2008-01-15 01:12:53 UTC
From: Dave Oldridge
Topic: 1215 Message: 3691

On 14 Jan 2008 at 3:21, Jim wrote:

> Hi all,
>
> Can anyone explain how ineffective an antenna becomes as you
> begin to
> receive signals that are not perpendicular, but almost from the
> end?

Right directly off the end, the antenna presents very little
cross section and no currents are induced in the conductor that
actually reach the feedpoint. Theoretically, the attenuation of
signals is infinite. In practice, no antenna is perfectly
straight or perfectly horizontal or vertical and most signals are
off-axis a bit, so they are down anywhere from 10-30db.

--

Dave Oldridge
ICQ 1800667
VA7CZ

3692. Re: [ham-antennas] Re: Antenna Question

Yahoo group: ham-antennas (2008)
Date: 2008-01-15 01:12:53 UTC
From: Dave Oldridge
Topic: 1215 Message: 3692

On 14 Jan 2008 at 13:50, Jim wrote:

> Hi Jim,
>
> That is correct. I am putting up a Carolina Windom and the ends
> will
> be pointing east & west. I wasn't sure how this would affect
> reception and transmission in those directions. I remeber
> reading
> somewhere that the Carolina Windom may be close to
> omnidirecitonal,
> but I can't be sure.

On the lower bands, signals from under about 500 miles away
arrive at high enough angles that the pattern looks more like an
oval than a figure-eight.

--

Dave Oldridge
ICQ 1800667
VA7CZ

3693. Re: Antenna Question

Yahoo group: ham-antennas (2008)
Date: 2008-01-15 02:11:30 UTC
From: Jim
Topic: 1215 Message: 3693

If the antenna is 265' long, the weight of the thing should produce enough of a sag to make the ends characteristically closer to broadside, correct?

Jim

--- In ham-antennas@yahoogroups.com, Dave Oldridge <doldridg@...> wrote:
>
> On 14 Jan 2008 at 13:50, Jim wrote:
>
> > Hi Jim,
> >
> > That is correct. I am putting up a Carolina Windom and the ends
> > will
> > be pointing east & west. I wasn't sure how this would affect
> > reception and transmission in those directions. I remeber
> > reading
> > somewhere that the Carolina Windom may be close to
> > omnidirecitonal,
> > but I can't be sure.
>
> On the lower bands, signals from under about 500 miles away
> arrive at high enough angles that the pattern looks more like an
> oval than a figure-eight.
>
>
> --
>
> Dave Oldridge
> ICQ 1800667
> VA7CZ
>

3694. Re: [ham-antennas] Antenna Question

Yahoo group: ham-antennas (2008)
Date: 2008-01-14 23:39:03 UTC
From: QRP_1@juno.com
Topic: 1215 Message: 3694

It s easier to tune with a tuner and on some bands the SWR may actually be at a reasonable level to where you don't even have to use a tuner.
[snip]

I've never seen a G5RV yet that never required a tuner. I know that some makers advertise it as such, but everyone of them that I have seen required a tuner - even on 20 meters which is the design frequency for the G5RV !

Rick McKee, KC8AON, Ohio - www.angelfire.com/electronic2/qrp
Monthly QRP Field Day Group - http://groups.yahoo.com/group/MQFD/
With God all things are possible <><

3695. Re: [ham-antennas] Re: Antenna Question

Yahoo group: ham-antennas (2008)
Date: 2008-01-14 23:36:36 UTC
From: QRP_1@juno.com
Topic: 1215 Message: 3695

I am well aware of what the adds says BUT can you explain to me how a matching device that is used to keep rf off the outside of that piece of coax is going to radiate anything if it is working like it is supposed to??????? [snip]

On the Carolina Windom, the only "matching device" is the balun at the feedpoint that transforms the approximate 200 - 300 ohms to 50 - 75 ohms, the 22' down from that is a choke balun that allows RF to flow on the coax shield only on the 22' section above it giving it some vertical radiation, but the choke stops the RF at that point keeping it off the rest of the coax that goes to the shack.

If you are worried about not hearing stations off the ends of the antenna, then mount it as an inverted V to allow a broader area of coverage. The inverted V will hear better off the ends than a flat top arrangement will and will also transmitoff the ends better too.

Rick McKee, KC8AON, Ohio - www.angelfire.com/electronic2/qrp
Monthly QRP Field Day Group - http://groups.yahoo.com/group/MQFD/
With God all things are possible <><

3696. Re: [ham-antennas] Antenna Question

Yahoo group: ham-antennas (2008)
Date: 2008-01-15 02:45:54 UTC
From: W8OKN
Topic: 1215 Message: 3696

I get threads messed up, so I apologize if this is a repeat.

If you have to use a tuner on a G5RV (which everyone does), then it negates the purpose for using one. Simply switch to a dipole fed with ladder line and you'll have a better performer.
--
From the desk of W8OKN, northern Michigan

---- QRP_1@... wrote:

==========
It s easier to tune with a tuner and on some bands the SWR may actually
be at a reasonable level to where you don't even have to use a tuner.
[snip]

I've never seen a G5RV yet that never required a tuner. I know that some
makers advertise it as such, but everyone of them that I have seen
required a tuner - even on 20 meters which is the design frequency for
the G5RV !

Rick McKee, KC8AON, Ohio - www.angelfire.com/electronic2/qrp
Monthly QRP Field Day Group - http://groups.yahoo.com/group/MQFD/
With God all things are possible <><

3697. Re: [ham-antennas] Antenna Question

Yahoo group: ham-antennas (2008)
Date: 2008-01-15 02:45:52 UTC
From: W8OKN
Topic: 1215 Message: 3697

I get threads messed up, so I apologize if this is a repeat.

If you have to use a tuner on a G5RV (which everyone does), then it negates the purpose for using one. Simply switch to a dipole fed with ladder line and you'll have a better performer.
--
From the desk of W8OKN, northern Michigan

---- QRP_1@... wrote:

==========
It s easier to tune with a tuner and on some bands the SWR may actually
be at a reasonable level to where you don't even have to use a tuner.
[snip]

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makers advertise it as such, but everyone of them that I have seen
required a tuner - even on 20 meters which is the design frequency for
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3701. Carolina Windom (was Antenna Question)

Yahoo group: ham-antennas (2008)
Date: 2008-01-15 03:20:27 UTC
From: Jim
Topic: 1215 Message: 3701

I've changed the name of the thread to Carolina WIndom.

--- In ham-antennas@yahoogroups.com, QRP_1@... wrote:
>
> I am well aware of what the adds says BUT can you explain to me
how a
> matching device that is used to keep rf off the outside of that
piece of
> coax is going to radiate anything if it is working like it is
supposed
> to??????? [snip]
>
> On the Carolina Windom, the only "matching device" is the balun at
the
> feedpoint that transforms the approximate 200 - 300 ohms to 50 - 75
ohms,
> the 22' down from that is a choke balun that allows RF to flow on
the
> coax shield only on the 22' section above it giving it some vertical
> radiation, but the choke stops the RF at that point keeping it off
the
> rest of the coax that goes to the shack.
>
> If you are worried about not hearing stations off the ends of the
> antenna, then mount it as an inverted V to allow a broader area of
> coverage. The inverted V will hear better off the ends than a flat
top
> arrangement will and will also transmitoff the ends better too.
>
> Rick McKee, KC8AON, Ohio - www.angelfire.com/electronic2/qrp
> Monthly QRP Field Day Group - http://groups.yahoo.com/group/MQFD/
> With God all things are possible <><
>

3702. Re: Carolina Windom (was Antenna Question)

Yahoo group: ham-antennas (2008)
Date: 2008-01-15 03:24:03 UTC
From: Jim
Topic: 1215 Message: 3702

I will be using 14-gauge, copper-clad steel for the horizontal radiators. I am assuming the Matching unit to be a 4:1 balun and the Line Isolator to be 1:1 current-type balun. Assuming I'm correct, how critical are the specs of these?

Jim

--- In ham-antennas@yahoogroups.com, "Jim" <jimemack2000@...> wrote:
>
> I've changed the name of the thread to Carolina WIndom.
>
> --- In ham-antennas@yahoogroups.com, QRP_1@ wrote:
> >
> > I am well aware of what the adds says BUT can you explain to me
> how a
> > matching device that is used to keep rf off the outside of that
> piece of
> > coax is going to radiate anything if it is working like it is
> supposed
> > to??????? [snip]
> >
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> the
> > feedpoint that transforms the approximate 200 - 300 ohms to 50 -
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> > Monthly QRP Field Day Group - http://groups.yahoo.com/group/MQFD/

> > With God all things are possible <><
> >
>

3703. need a qrp 20m cw transceiver to buy

Yahoo group: ham-antennas (2008)
Date: 2008-01-15 03:25:56 UTC
From: shubhamforme
Topic: 3703 Message: 3703

hello every1 i need a cw transceiver for 20m i.e 14mhz or even more if available .....
it could be of any brand or even home brewed but working.....
it could be from 1to 50 watts.....
if any 1 has a cw transceiver to sell then i am there to purchase it....
thanks
shubham tiwari.....
contact--
shubhamforme@...

3704. Magnetrons

Yahoo group: ham-antennas (2008)
Date: 2008-01-15 04:36:36 UTC
From: Herbert Murray
Topic: 3704 Message: 3704

Does anyone in the group know anything about magnetrons? I planning to do some experiments in transmitting microwaves.

I would like to use standard magnetrons from a microwave oven and believe I can beam further if operated at the same frequency and with the outputs in phase. I have no idea on how to do this. Please advise

Cheers,
Bert

3705. Re: [ham-antennas] Re: Antenna Question

Yahoo group: ham-antennas (2008)
Date: 2008-01-15 05:56:50 UTC
From: Dave Oldridge
Topic: 1215 Message: 3705

On 15 Jan 2008 at 2:11, Jim wrote:

> If the antenna is 265' long, the weight of the thing should
> produce
> enough of a sag to make the ends characteristically closer to
> broadside, correct?

Yes, though at most normal heights, there will be a large high-
angle component on 80 and 160.

--

Dave Oldridge
ICQ 1800667
VA7CZ

3706. Re: [ham-antennas] Magnetrons

Yahoo group: ham-antennas (2008)
Date: 2008-01-15 13:29:52 UTC
From: Dean L.
Topic: 3704 Message: 3706

I think you will find the Magnetrons are Tuned for only ONE
Frequency. It has to do with the way the tube is made.
You would not be able to change that.

73 Dean W5GXL

Disclaimer: Any errors in spelling, or fact are
transmission errors.

On Jan 14, 2008, at 10:36 PM, Herbert Murray wrote:

> Does anyone in the group know anything about magnetrons? I planning to
> do some experiments in transmitting microwaves.
>
> I would like to use standard magnetrons from a microwave oven and
> believe I can beam further if operated at the same frequency and
> with the outputs in phase. I have no idea on how to do this. Please
> advise
>
> Cheers,
> Bert
>
>
>
>

[Non-text portions of this message have been removed]

3707. Carolina Windom CWS-80

Yahoo group: ham-antennas (2008)
Date: 2008-01-15 16:31:12 UTC
From: steve95446
Topic: 3707 Message: 3707

I wonder if anyone can answer this. The Carolina Windom CWS-80 is 66 feet long, but works on 80m, albeit at a lower efficiency by their own admission. Does anyone know how they do this? Is is just a standard 66 foot 40m-10m OCFD and your tuner "takes up the slack" and tunes out the higher SWR on 80m, or is the balun something special.

I am currently making a 66 foot OCFD with a 4:1 balun and wondered if it could be make to work on 80m.

Steve G0KYA

3708. Re: Magnetrons

Yahoo group: ham-antennas (2008)
Date: 2008-01-15 16:47:17 UTC
From: Paul
Topic: 3704 Message: 3708

The magnetrons used in microwave ovens can be moved down to the ham band. There have been quite a few articles published on using these magnetrons in ATV transmitters.

Good frequency control can be achieved by using the magnetron as the VCO in a PLL.

It is not possible to make two of these operate "in phase" to get more power. The 1100 watts output when used with a 3M (10ft) dish will give you enough ERP to cause small birds to fall out of the sky at 400 Meters (1/4 Mile)...

Read part 97 carefully... there are restrictions on using high power on frequencies above 400 MHz.

Paul - K9ERG

--- In ham-antennas@yahoogroups.com, "Dean L." <w5gxl@...> wrote:
>
> I think you will find the Magnetrons are Tuned for only ONE
> Frequency. It has to do with the way the tube is made.
> You would not be able to change that.
>
> 73 Dean W5GXL
>
> Disclaimer: Any errors in spelling, or fact are
> transmission errors.
>
>
>
>
>
> On Jan 14, 2008, at 10:36 PM, Herbert Murray wrote:
>
> > Does anyone in the group know anything about magnetrons? I
planning to
> > do some experiments in transmitting microwaves.
> >
> > I would like to use standard magnetrons from a microwave oven and
> > believe I can beam further if operated at the same frequency and
> > with the outputs in phase. I have no idea on how to do this.
Please
> > advise
> >
> > Cheers,
> > Bert

> >
> >
> >
> >
>
>
> [Non-text portions of this message have been removed]
>

3709. RE: [ham-antennas] Antenna Question (G5RV)

Yahoo group: ham-antennas (2008)
Date: 2008-01-15 19:15:24 UTC
From: Schichler, Donald
Topic: 1215 Message: 3709

Ladder line is fine if you use a manual tuner with balanced input terminals, but a lot of us have auto-tuners built into the rig that only accept coax. At some point you would have to convert the feedline from balanced to coax. I have been using as short a length of coax as possible to connect from the 30 foot twinlead section of my G5RV to my equipment (about 21 feet) and it works quite well on most bands. 70 feet of coax would definitely have more loss.

73,
Don W2DAS

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
On Behalf Of W8OKN
Sent: Monday, January 14, 2008 9:46 PM
To: ham-antennas@yahoogroups.com
Cc: QRP_1@...
Subject: Re: [ham-antennas] Antenna Question

I get threads messed up, so I apologize if this is a repeat.

If you have to use a tuner on a G5RV (which everyone does), then it negates the purpose for using one. Simply switch to a dipole fed with ladder line and you'll have a better performer.
--
From the desk of W8OKN, northern Michigan

---- QRP_1@... <mailto:QRP_1%40juno.com> wrote:

==========
It s easier to tune with a tuner and on some bands the SWR may actually be at a reasonable level to where you don't even have to use a tuner.
[snip]

I've never seen a G5RV yet that never required a tuner. I know that some makers advertise it as such, but everyone of them that I have seen required a tuner - even on 20 meters which is the design frequency for the G5RV !

Rick McKee, KC8AON, Ohio - www.angelfire.com/electronic2/qrp
Monthly QRP Field Day Group - http://groups.yahoo.com/group/MQFD/
<http://groups.yahoo.com/group/MQFD/>
With God all things are possible <><

[Non-text portions of this message have been removed]

3710. Re: [ham-antennas] Re: Antenna Question

Yahoo group: ham-antennas (2008)
Date: 2008-01-15 23:22:51 UTC
From: Stan Kozlowitz
Topic: 1215 Message: 3710

Some of these antenna manufacturers don't have a clue how their antennas work. It doesn't matter. All that matters is that there are enough gullible people to believe their ads. I'm with you. I don't see how it could provide vertically polarized radiation if you have a choke on it?

The ads, in my opinion, don't explain it either. Or else I'm missing something here. I know I won't be buying one of these antennas.

Stan AA4XO

QRP_1@... wrote:
I am well aware of what the adds says BUT can you explain to me how a matching device that is used to keep rf off the outside of that piece of coax is going to radiate anything if it is working like it is supposed to??????? [snip]

On the Carolina Windom, the only "matching device" is the balun at the feedpoint that transforms the approximate 200 - 300 ohms to 50 - 75 ohms, the 22' down from that is a choke balun that allows RF to flow on the coax shield only on the 22' section above it giving it some vertical radiation, but the choke stops the RF at that point keeping it off the rest of the coax that goes to the shack.

If you are worried about not hearing stations off the ends of the antenna, then mount it as an inverted V to allow a broader area of coverage. The inverted V will hear better off the ends than a flat top arrangement will and will also transmitoff the ends better too.

Rick McKee, KC8AON, Ohio - www.angelfire.com/electronic2/qrp
Monthly QRP Field Day Group - http://groups.yahoo.com/group/MQFD/
With God all things are possible <><

Never miss a thing. Make Yahoo your homepage.

[Non-text portions of this message have been removed]

3711. Antenna Element Problem

Yahoo group: ham-antennas (2008)
Date: 2008-01-15 23:37:51 UTC
From: Gary H. Harmon, Jr
Topic: 3711 Message: 3711

I brought home a nice TA-33 Classic yagi today and unfortunately one or two pieces are seized. Are there any tired and true options to break loose the resistant corrosion that has obviously formed? Heat, cold, hammer, plumber's wrenches, etc?

Thanks in advance.

73, gary

Gary H. Harmon, Jr. / K5JWK
6003 Archwood
San Antonio, TX 78239-1504
210.657.1549 h / 210.884.6926 c

"A merry heart does good, like medicine,
But a broken spirit dries the bones."
Proverbs 17:22

[Non-text portions of this message have been removed]

3712. BC Interference With SG-237 and 160 Loop

Yahoo group: ham-antennas (2008)
Date: 2008-01-16 00:09:16 UTC
From: wb4ydy2
Topic: 3712 Message: 3712

I have a problem with a new SGC 237 auto tuner and a 160 meter loop. The loop is 550 to 560 feet of #12 stranded and insulated wire fed with about 65 feet of 450 ohm ladder line to the SG-237 tuner. I am using the standard 9 feet of coax/control cable from the rig to the tuner. I have 5 ferrite chokes at the tuner end of the coax/control cable.

This setup is picking up very strong AM BC interference on 160 and 80 meters. It is extreme on 160 with BC signals at +20 to +60 db over S9! The +60 db signal is at 1950khz and is WSM radio (650khz) which is at least 12 miles from me. But several other stations are also coming through. When I switch to a 160 meter Inv. L the BC signals disappear.

The loop tunes up well on all bands above 80 meters. It has some trouble on the low end of 80, below 3,600khz. But it doesn't come close to a match on 160.

I ran this loop for several years with a manual Ten Tec 429 tuner without any problems. The only difference with the manual tuner setup was the ladder line came into the shack and there was about 15 more feet of it. The loop is the same.

After playing with the problem for several days, I am wondering if this combination of feedline length and antenna length is "too good" for the AM BC band and the signals are overloading the rig. Does that make sense? Before I start cutting the feedline or antenna wire I would appreciate ideas from the group.

Thanks and 73,

Pete, WB4YDY
Nolensville, TN

3713. Re: BC Interference With SG-237 and 160 Loop

Yahoo group: ham-antennas (2008)
Date: 2008-01-16 00:25:37 UTC
From: Richard Zolla
Topic: 3712 Message: 3713

I suggest you contact Dale, at Par Electronics. I'll bet he has just
the BCB filter you need.

Rick N6NKN

--- In ham-antennas@yahoogroups.com, "wb4ydy2" <petef@...> wrote:
>
> I have a problem with a new SGC 237 auto tuner and a 160 meter
loop.
> The loop is 550 to 560 feet of #12 stranded and insulated wire fed
> with about 65 feet of 450 ohm ladder line to the SG-237 tuner. I am
> using the standard 9 feet of coax/control cable from the rig to the
> tuner. I have 5 ferrite chokes at the tuner end of the coax/control
> cable.
>
> This setup is picking up very strong AM BC interference on 160 and
80
> meters. It is extreme on 160 with BC signals at +20 to +60 db over
> S9! The +60 db signal is at 1950khz and is WSM radio (650khz) which
> is at least 12 miles from me. But several other stations are also
> coming through. When I switch to a 160 meter Inv. L the BC signals
> disappear.
>
> The loop tunes up well on all bands above 80 meters. It has some
> trouble on the low end of 80, below 3,600khz. But it doesn't come
> close to a match on 160.
>
> I ran this loop for several years with a manual Ten Tec 429 tuner
> without any problems. The only difference with the manual tuner
setup
> was the ladder line came into the shack and there was about 15 more
> feet of it. The loop is the same.
>
> After playing with the problem for several days, I am wondering if
> this combination of feedline length and antenna length is "too
good"
> for the AM BC band and the signals are overloading the rig. Does
that
> make sense? Before I start cutting the feedline or antenna wire I
> would appreciate ideas from the group.
>
> Thanks and 73,
>
> Pete, WB4YDY
> Nolensville, TN

>

3714. Re: BC Interference With SG-237 and 160 Loop

Yahoo group: ham-antennas (2008)
Date: 2008-01-16 00:28:23 UTC
From: Richard Zolla
Topic: 3712 Message: 3714

I just realized that the filters Par sells are "receive only"
filters. MY BAD.

Rick N6NKN

--- In ham-antennas@yahoogroups.com, "Richard Zolla" <N8NKN@...>
wrote:
>
> I suggest you contact Dale, at Par Electronics. I'll bet he has
just
> the BCB filter you need.
>
> Rick N6NKN
>
>
>
>
>
> --- In ham-antennas@yahoogroups.com, "wb4ydy2" <petef@> wrote:
> >
> > I have a problem with a new SGC 237 auto tuner and a 160 meter
> loop.
> > The loop is 550 to 560 feet of #12 stranded and insulated wire
fed
> > with about 65 feet of 450 ohm ladder line to the SG-237 tuner. I
am
> > using the standard 9 feet of coax/control cable from the rig to
the
> > tuner. I have 5 ferrite chokes at the tuner end of the
coax/control
> > cable.
> >
> > This setup is picking up very strong AM BC interference on 160
and
> 80
> > meters. It is extreme on 160 with BC signals at +20 to +60 db
over
> > S9! The +60 db signal is at 1950khz and is WSM radio (650khz)
which
> > is at least 12 miles from me. But several other stations are also
> > coming through. When I switch to a 160 meter Inv. L the BC
signals
> > disappear.
> >
> > The loop tunes up well on all bands above 80 meters. It has some

> > trouble on the low end of 80, below 3,600khz. But it doesn't come
> > close to a match on 160.
> >
> > I ran this loop for several years with a manual Ten Tec 429 tuner
> > without any problems. The only difference with the manual tuner
> setup
> > was the ladder line came into the shack and there was about 15
more
> > feet of it. The loop is the same.
> >
> > After playing with the problem for several days, I am wondering
if
> > this combination of feedline length and antenna length is "too
> good"
> > for the AM BC band and the signals are overloading the rig. Does
> that
> > make sense? Before I start cutting the feedline or antenna wire I
> > would appreciate ideas from the group.
> >
> > Thanks and 73,
> >
> > Pete, WB4YDY
> > Nolensville, TN
> >
>

3715. Re: [ham-antennas] Antenna Question (G5RV)

Yahoo group: ham-antennas (2008)
Date: 2008-01-16 00:31:55 UTC
From: QRP_1@juno.com
Topic: 1215 Message: 3715

Ladder line is fine if you use a manual tuner with balanced input terminals, but a lot of us have auto-tuners built into the rig that only accept coax. At some point you would have to convert the feedline from balanced to coax. [snip]

Well, most manual tuners today with a balanced output only use a balun inside the tuner for that purpose, so you could try a very short coax between the radio and a 4:1 balun. It may not tune all bands with the rigs built in auto tuner, but it would tune some of them. I have a little Icom 703 that I use portable and it has a built in auto tuner and I came up with a unun and endfed wire combo that allows all band operation via the built in tuner. With a 23' wire it covers 10 thru 40 meters, and with a 50' wire you get 10 thru 80 meter coverage. One operator that built the unun told me he got 10 thru 160 meter coverage with either a 75' or 100' wire. Don't know how well it will work with the autotuners in other rigs, but the tuner in the 703 is a fairly wide range tuner and mine has tuned as high as a 12:1 swr with no problem. Icom states it will handle up to an 8:1 swr, but most folks say at least a 10:1.

Rick McKee, KC8AON, Ohio - www.angelfire.com/electronic2/qrp
Monthly QRP Field Day Group - http://groups.yahoo.com/group/MQFD/
With God all things are possible <><

3716. Radials

Yahoo group: ham-antennas (2008)
Date: 2008-01-16 01:40:49 UTC
From: Greg DeChant
Topic: 3716 Message: 3716

This is goind to sound like a dumb question but, does the non connected end of an insulated radial wire have to be covered with some type of insulation material?

3717. Re: [ham-antennas] Radials

Yahoo group: ham-antennas (2008)
Date: 2008-01-16 01:46:21 UTC
From: w8okn@charter.net
Topic: 3716 Message: 3717

No. Makes no difference.

----- Original Message -----
From: Greg DeChant
To: ham-antennas@yahoogroups.com
Sent: Tuesday, January 15, 2008 8:40 PM
Subject: [ham-antennas] Radials

This is goind to sound like a dumb question but, does the non connected end of an insulated radial wire have to be covered with some type of insulation material?

No virus found in this incoming message.
Checked by AVG Free Edition.
Version: 7.5.516 / Virus Database: 269.19.2/1222 - Release Date: 1/13/2008 12:23 PM

[Non-text portions of this message have been removed]

3718. Re: [ham-antennas] Radials

Yahoo group: ham-antennas (2008)
Date: 2008-01-16 11:37:43 UTC
From: N9WB
Topic: 3716 Message: 3718

Actually, this is an interesting question.

Buried radials or those laying on the ground.:

When making radials, I grab anything that will conduct, bury it and hook it up. From an electrical standpoint, whether it is insulated and whether it is non-insulated at the ends, makes little difference.

However I have seen that in areas where the soil is acidic copper deteriorates over the years. It is usually a very slow process. but if you are using insulated wire anyway, sealing the ends from moisture might preserve the life of the copper inside.

Above ground resonant radials:

If you are talking about resonant radials above ground, like on a roof mounted vertical, I would insulate the ends. When the roof is wet, open ends could change resonance and if the ends rubbed against a metal object, it can cause static.

Vy 73, Walt N9WB

----- Original Message -----
From: Greg DeChant
To: ham-antennas@yahoogroups.com
Sent: Tuesday, January 15, 2008 8:40 PM
Subject: [ham-antennas] Radials

This is goind to sound like a dumb question but, does the non connected end of an insulated radial wire have to be covered with some type of insulation material?

No virus found in this incoming message.
Checked by AVG Free Edition.
Version: 7.5.516 / Virus Database: 269.19.2/1224 - Release Date: 1/14/2008 5:39 PM

3719. Re: [ham-antennas] Radials

Yahoo group: ham-antennas (2008)
Date: 2008-01-16 14:07:21 UTC
From: Arthur Nienhouse
Topic: 3716 Message: 3719

Buried or on top of the ground....

I have had good success just cutting the lawn very close then installing #14 insulated house wiring on top of the ground. I staple them with U shaped staples about 6 " long made from 3/32 hard wire or coat hangers. After a month of growing you can't see the wire or gutter guard.
I have never had a problem with the wire getting caught in the lawn mower I even use Aluminum Gutter Guard in the same fashion captured to the ground stakes with 3" stainless fender washers with lots of Noalox around the legs of my Hy Tower
I have never caught the Gutter Guard in the mower it works for me really well.

You can see the Hy Tower installation at ka9zap.com

Regards
Art
ka9zap

3720. Re: Antenna Element Problem

Yahoo group: ham-antennas (2008)
Date: 2008-01-16 15:38:07 UTC
From: Larry
Topic: 3711 Message: 3720

Hi Gary,
There is a product on the market that's available through most of the discount stores and hardware stores called "Liquid Wrench" that is a super penetrant. It comes in a 12oz Spray can with a little straw to get the liquid into tight places. Don't confuse this product with regular penetrating oil. I've used it numerous times to loosen rusted bolts that were frozen solid. You just spray it on the joint and let it do it's thing and try turning the sections. Depending on how far in the sections go you may need to try several applications.
Good Luck. 73 Larry/K9GSD

- In ham-antennas@yahoogroups.com, "Gary H. Harmon, Jr" <gharmon@...>
wrote:
>
> I brought home a nice TA-33 Classic yagi today and unfortunately
one or two
> pieces are seized. Are there any tired and true options to break
loose the
> resistant corrosion that has obviously formed? Heat, cold, hammer,
> plumber's wrenches, etc?
>
> Thanks in advance.
>
> 73, gary
>
> Gary H. Harmon, Jr. / K5JWK
> 6003 Archwood
> San Antonio, TX 78239-1504
> 210.657.1549 h / 210.884.6926 c
>
> "A merry heart does good, like medicine,
> But a broken spirit dries the bones."
> Proverbs 17:22
>
>
>
>
> [Non-text portions of this message have been removed]
>

3721. Re: [ham-antennas] Antenna Element Problem

Yahoo group: ham-antennas (2008)
Date: 2008-01-16 16:26:04 UTC
From: KE5EOT
Topic: 3711 Message: 3721

First, stay away from heat, cold, hammers, and plumbers wrenches. I usually do more damage with those than anything else. I found a product called Kroil a few years ago and it loosens more rusted and corroded parts than anything I've ever found. If you can't find it locally, you can order it from http://www.kanolabs.com/

Randy (KE5EOT)

Gary H. Harmon, Jr wrote:
>
> I brought home a nice TA-33 Classic yagi today and unfortunately one
> or two
> pieces are seized. Are there any tired and true options to break loose the
> resistant corrosion that has obviously formed? Heat, cold, hammer,
> plumber's wrenches, etc?
>
> Thanks in advance.
>
> 73, gary
>
> Gary H. Harmon, Jr. / K5JWK
> 6003 Archwood
> San Antonio, TX 78239-1504
> 210.657.1549 h / 210.884.6926 c
>
> "A merry heart does good, like medicine,
> But a broken spirit dries the bones."
> Proverbs 17:22
>
>
>
> [Non-text portions of this message have been removed]
>
>

[Non-text portions of this message have been removed]

3722. RE: [ham-antennas] Antenna Element Problem

Yahoo group: ham-antennas (2008)
Date: 2008-01-16 16:44:10 UTC
From: Gary H. Harmon, Jr
Topic: 3711 Message: 3722

Thank you Randy.

Gary H. Harmon, Jr. / K5JWK
6003 Archwood
San Antonio, TX 78239-1504
210.657.1549 h / 210.884.6926 c

"A merry heart does good, like medicine,
But a broken spirit dries the bones."
Proverbs 17:22

[Non-text portions of this message have been removed]

3723. Re: Magnetrons

Yahoo group: ham-antennas (2008)
Date: 2008-01-16 21:17:13 UTC
From: Herbert Murray
Topic: 3704 Message: 3723

Is there any way to use some type of injection locked method to get
multiple Magnetrons in sync. Again Thanks Bert

--- In ham-antennas@yahoogroups.com, "Paul" <paul_c_g@...> wrote:
>
> The magnetrons used in microwave ovens can be moved down to the ham
> band. There have been quite a few articles published on using these
> magnetrons in ATV transmitters.
>
> Good frequency control can be achieved by using the magnetron as
the
> VCO in a PLL.
>
> It is not possible to make two of these operate "in phase" to get
> more power. The 1100 watts output when used with a 3M (10ft) dish
> will give you enough ERP to cause small birds to fall out of the
sky
> at 400 Meters (1/4 Mile)...
>
> Read part 97 carefully... there are restrictions on using high
power
> on frequencies above 400 MHz.
>
> Paul - K9ERG
>
> --- In ham-antennas@yahoogroups.com, "Dean L." <w5gxl@> wrote:
> >
> > I think you will find the Magnetrons are Tuned for only ONE
> > Frequency. It has to do with the way the tube is made.
> > You would not be able to change that.
> >
> > 73 Dean W5GXL
> >
> > Disclaimer: Any errors in spelling, or fact are
> > transmission errors.

> > On Jan 14, 2008, at 10:36 PM, Herbert Murray wrote:
> >
> > > Does anyone in the group know anything about magnetrons? I
> > > planning to do some experiments in transmitting microwaves.
> > >
> > > I would like to use standard magnetrons from a microwave oven >
> > > believe I can beam further if operated at the same frequency and
> > > with the outputs in phase. I have no idea on how to do this.
> > > Please advise

```
> > >
> > > Cheers,
> > > Bert
```

3724. Need Mosley CL-33 Clamping Blocks

Yahoo group: ham-antennas (2008)
Date: 2008-01-16 23:10:20 UTC
From: Gary H. Harmon, Jr
Topic: 3724 Message: 3724

One guy is already looking but just in case he is unsuccessful, I need a #47 and a #48 clamping block for a Mosley CL-33 yagi beam. I could also use 3 ea 2 3/8 stainless U-bolts for the same blocks.

Thanks in advance and 73.

gary

Gary H. Harmon, Jr. / K5JWK
6003 Archwood
San Antonio, TX 78239-1504
210.657.1549 h / 210.884.6926 c

"A merry heart does good, like medicine,
But a broken spirit dries the bones."
Proverbs 17:22

[Non-text portions of this message have been removed]

3725. slinky dipole.

Yahoo group: ham-antennas (2008)
Date: 2008-01-16 23:19:02 UTC
From: pcooke2002
Topic: 3725 Message: 3725

I was thinking of building a slinky dipole for fun.

Anybody know how the brass slinky performs compared to the cheap metal slinky? (googling did not find any results)

Just curious. I figure someone had to have made the comparason somewhere.

Peter
KG6OUE

3726. Grounding

Yahoo group: ham-antennas (2008)
Date: 2008-01-17 01:36:48 UTC
From: Jim
Topic: 3726 Message: 3726

After estimating what it would take to do ground radial system, I've decided to just drive 5 8' rods in and connect them with 2" copper ribbon.

My original plan was to drive 24 8' rods in, over a 78' x 42' area and connect them with 2" copper ribbon. The cost for that is over $1,000.00

The new plan is to drive 5 8' rods, 10' apart and connect them with 40' of copper ribbon. The cost for this is around $150.00.

I know everybody is thinking that a $1,000.00 investment is minimal compared to the damage that may be done in the event of a strike, but I just don't have that kind of cash at the moment.

Any hints or suggestions?

Thanks for your help,
Jim

3727. Re: [ham-antennas] Grounding

Yahoo group: ham-antennas (2008)
Date: 2008-01-17 02:06:15 UTC
From: Dean L.
Topic: 3726 Message: 3727

Are you grounding for better signal or lightning?
It it is for a better signal you do not need to Drive rods into the ground.
But you do need to lay out Horizontal wires that are just a little longer than the lowest frequency you are going to use.... Just scratch them into the dirt or lay them on the grass and keep them down and the grass will grow over them... It would be good to have 8 or so going out in all directions.
Think of it as a Counter Pose and not a Ground....

73 Dean W5GXL

Disclaimer: Any errors in spelling, or fact are transmission errors.

On Jan 16, 2008, at 7:36 PM, Jim wrote:

> After estimating what it would take to do ground radial system, I've
> decided to just drive 5 8' rods in and connect them with 2" copper
> ribbon.
>
> My original plan was to drive 24 8' rods in, over a 78' x 42' area and
> connect them with 2" copper ribbon. The cost for that is over
> $1,000.00
>
> The new plan is to drive 5 8' rods, 10' apart and connect them with
> 40'
> of copper ribbon. The cost for this is around $150.00.
>
> I know everybody is thinking that a $1,000.00 investment is minimal
> compared to the damage that may be done in the event of a strike,
> but I
> just don't have that kind of cash at the moment.
>
> Any hints or suggestions?
>
> Thanks for your help,
> Jim
>
>
>

[Non-text portions of this message have been removed]

3728. Re: Grounding

Yahoo group: ham-antennas (2008)
Date: 2008-01-17 02:22:34 UTC
From: Jim
Topic: 3726 Message: 3728

Hi Dean, and thanks for the advice.

My understanding is that a good RF ground can make a lousy protective ground, but a good protective ground will also make a good RF ground.

I think I will opt for the lightning ground. However, I was thinking of augmenting the aforementioned configuration with a counterpoise of sorts, in the form of a continuous length of #8 bare copper wire going all the way around the house, both ends terminated together at the common grounding point. That will be about 140' of extra wire near the surface of the ground, perhaps 1/4" to 1/2" deep.

Any thoughts?

Jim

--- In ham-antennas@yahoogroups.com, "Dean L." <w5gxl@...> wrote:
>
> Are you grounding for better signal or lightning?
> It it is for a better signal you do not need to Drive rods into
the
> ground.
> But you do need to lay out Horizontal wires that are just a little
> longer than the lowest frequency you are going to use.... Just
> scratch them into the dirt or lay them on the grass and keep them
> down and the grass will grow over them... It would be good to have
8
> or so going out in all directions.
> Think of it as a Counter Pose and not a Ground....
>
> 73 Dean W5GXL
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> Disclaimer: Any errors in spelling, or fact are
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> On Jan 16, 2008, at 7:36 PM, Jim wrote:
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> > After estimating what it would take to do ground radial system,
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> > decided to just drive 5 8' rods in and connect them with 2" copper
> > ribbon.
> >

> > My original plan was to drive 24 8' rods in, over a 78' x 42'
area and
> > connect them with 2" copper ribbon. The cost for that is over
> > $1,000.00
> >
> > The new plan is to drive 5 8' rods, 10' apart and connect them
with
> > 40'
> > of copper ribbon. The cost for this is around $150.00.
> >
> > I know everybody is thinking that a $1,000.00 investment is
minimal
> > compared to the damage that may be done in the event of a
strike,
> > but I
> > just don't have that kind of cash at the moment.
> >
> > Any hints or suggestions?
> >
> > Thanks for your help,
> > Jim
> >
> >
> >
>
>
> [Non-text portions of this message have been removed]
>

3729. RE: [ham-antennas] Grounding

Yahoo group: ham-antennas (2008)
Date: 2008-01-17 03:17:03 UTC
From: James M.(Jim) Geidl
Topic: 3726 Message: 3729

Jim,

I certainly want to be the last person to push for not being safe but you have to look at two things: possibility and probability. Is it possible that you will be hit by lightning? Yes. Is it probable? Only you can answer that.

Insurance companies have been selling stuff for years based on possibility but then pricing it based on probability.

Jim, K6JMG
//

> Subject: [ham-antennas] Grounding
>
> After estimating what it would take to do ground radial
> system, I've decided to just drive 5 8' rods in and connect
> them with 2" copper ribbon.
>
> My original plan was to drive 24 8' rods in, over a 78' x 42'
> area and connect them with 2" copper ribbon. The cost for
> that is over $1,000.00
>
> The new plan is to drive 5 8' rods, 10' apart and connect
> them with 40'
> of copper ribbon. The cost for this is around $150.00.
>
> I know everybody is thinking that a $1,000.00 investment is
> minimal compared to the damage that may be done in the event
> of a strike, but I just don't have that kind of cash at the moment.
>
> Any hints or suggestions?
>
> Thanks for your help,
> Jim

3730. Re: Grounding

Yahoo group: ham-antennas (2008)
Date: 2008-01-17 03:40:03 UTC
From: Jim
Topic: 3726 Message: 3730

WELL SAID!!!

It's the reason I do NOT buy extended warranties...ever! If I added up the cost purchasing every extended warranty ever offered to me, I would have spent well over what the regular cost of reparing (or even replacing) any one or more of those items would be. Not to mention, none of those items has ever broken down. I am ahead of the "game".

With that said, I do plan on buying an iCOM IC7800 in the future and thought it might be a good idea to implement my own "insurance policy" of a nice, quick, harmless path to ground for that strike might would otherwise have my name on it. I'm just not sure that the expensive way to go "insures" me any more than the way-less-expensive way.

I am doing quite a bit of reading and am feeling a certain comfort level for the more conservative installation I spoke about earlier, but I will need to sample many more sources before I take the plunge.

Thanks Jim,

Jim

--- In ham-antennas@...m, "James M.\(Jim\) Geidl"
<jgeidl@...> wrote:
>
> Jim,
>
> I certainly want to be the last person to push for not being safe
but you
> have to look at two things: possibility and probability. Is it
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> that you will be hit by lightning? Yes. Is it probable? Only you
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> Insurance companies have been selling stuff for years based on
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>
>
> Jim, K6JMG
> //
>
>
> > Subject: [ham-antennas] Grounding

> >
> > After estimating what it would take to do ground radial
> > system, I've decided to just drive 5 8' rods in and connect
> > them with 2" copper ribbon.
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> > My original plan was to drive 24 8' rods in, over a 78' x 42'
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> > The new plan is to drive 5 8' rods, 10' apart and connect
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> > of copper ribbon. The cost for this is around $150.00.
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> > I know everybody is thinking that a $1,000.00 investment is
> > minimal compared to the damage that may be done in the event
> > of a strike, but I just don't have that kind of cash at the
moment.
> >
> > Any hints or suggestions?
> >
> > Thanks for your help,
> > Jim
>

3731. Re: [ham-antennas] slinky dipole.

Yahoo group: ham-antennas (2008)
Date: 2008-01-17 04:57:05 UTC
From: Harold Burton
Topic: 3725 Message: 3731

I have no doubt that brass is better material, but don't think you could probably hear any difference on the other end. If your slinkies are exposed to the weather, on the other hand, you'd need to paint the steel slinkies to avoid rust. The brass might tarnish dark, but probably not actually corrode. I'm playing best guess here, since I'm not a metallurgist.

Harold
KD5SAK

----- Original Message -----
From: "pcooke2002" <Pcooke2002@...>
To: <ham-antennas@yahoogroups.com>
Sent: Wednesday, January 16, 2008 5:19 PM
Subject: [ham-antennas] slinky dipole.

>I was thinking of building a slinky dipole for fun.
>
> Anybody know how the brass slinky performs compared to the cheap metal
> slinky? (googling did not find any results)
>
>
> Just curious. I figure someone had to have made the comparason
> somewhere.
>
> Peter
> KG6OUE
>
>
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
> to ALL 974 members (as of 11/07/07, and attachments are NOT permitted.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
>
> Yahoo! Groups Links
>
>
>

3732. 3 element yagi over a metal (steel) roof

Yahoo group: ham-antennas (2008)
Date: 2008-01-17 10:19:24 UTC
From: aadu.adok
Topic: 3732 Message: 3732

hello,

I'm planning to put a TA33-JR (3 el tribander) on top of my roof. The roof is metal covered (some kind of steel). Roof height is 28ft. Is it sufficient if my antenna mast is 8ft long? The total height from ground would be 28+8=36ft? Is 8 feet from roof metal covering sufficient and will not interfere somehow?

thanks,

Aadu Adok,
Tallinn - Estonia

3733. Re: [ham-antennas] Re: Grounding

Yahoo group: ham-antennas (2008)
Date: 2008-01-17 13:55:01 UTC
From: N9WB
Topic: 3726 Message: 3733

The best insurance is to disconnect the equipment from the mains and the antenna when not in use, particularly during severe weather. Don't forget the rotor cable. Either unplug the rotor control from any outlet strip or have a plug that can disconnect the rotor cable.

A radio sitting on a wooden table with no antenna, power, or ground connected to it is not likely to suffer lightning damage.

Vy 73, Walt N9WB

----- Original Message -----
From: Jim
To: ham-antennas@yahoogroups.com
Sent: Wednesday, January 16, 2008 10:40 PM
Subject: [ham-antennas] Re: Grounding

WELL SAID!!!

It's the reason I do NOT buy extended warranties...ever! If I added up the cost purchasing every extended warranty ever offered to me, I would have spent well over what the regular cost of reparing (or even replacing) any one or more of those items would be. Not to mention, none of those items has ever broken down. I am ahead of the "game".

With that said, I do plan on buying an iCOM IC7800 in the future and thought it might be a good idea to implement my own "insurance policy" of a nice, quick, harmless path to ground for that strike might would otherwise have my name on it. I'm just not sure that the expensive way to go "insures" me any more than the way-less-expensive way.

I am doing quite a bit of reading and am feeling a certain comfort level for the more conservative installation I spoke about earlier, but I will need to sample many more sources before I take the plunge.

Thanks Jim,

Jim

--- In ham-antennas@yahoogroups.com, "James M.\(Jim\) Geidl"
<jgeidl@...> wrote:
>
> Jim,
>
> I certainly want to be the last person to push for not being safe
but you
> have to look at two things: possibility and probability. Is it

possible
> that you will be hit by lightning? Yes. Is it probable? Only you
can
> answer that.
>
> Insurance companies have been selling stuff for years based on
possibility
> but then pricing it based on probability.
>
>
> Jim, K6JMG
> //
>
>
> > Subject: [ham-antennas] Grounding
> >
> > After estimating what it would take to do ground radial
> > system, I've decided to just drive 5 8' rods in and connect
> > them with 2" copper ribbon.
> >
> > My original plan was to drive 24 8' rods in, over a 78' x 42'
> > area and connect them with 2" copper ribbon. The cost for
> > that is over $1,000.00
> >
> > The new plan is to drive 5 8' rods, 10' apart and connect
> > them with 40'
> > of copper ribbon. The cost for this is around $150.00.
> >
> > I know everybody is thinking that a $1,000.00 investment is
> > minimal compared to the damage that may be done in the event
> > of a strike, but I just don't have that kind of cash at the
moment.
> >
> > Any hints or suggestions?
> >
> > Thanks for your help,
> > Jim
>

No virus found in this incoming message.
Checked by AVG Free Edition.
Version: 7.5.516 / Virus Database: 269.19.5/1228 - Release Date: 1/16/2008
9:01 AM

3734. Re: [ham-antennas] Re: Grounding

Yahoo group: ham-antennas (2008)
Date: 2008-01-17 15:15:14 UTC
From: Dean L.
Topic: 3726 Message: 3734

OK. If you really want to make a Lightning grounding system this is
the way I built cell towers and grounded them.
At the tower we ran #2 Cu wire off each leg out to a 8 ft ground rod
6 ft from the tower base. The rods were tied together in a circle
and ALL connections were Welded and not clamped.
All grounding both inside and out was done with #2 Cu solid tined wire..
At the building or equipment room. A Hilo Ground was installed.
This was a #2 Cu wire with stand off insulators placed in a circle
around the ceiling of the room. This was tied at the corners and
about every 20 ft down and outside to a ring of #2 Cu wire buried
around the outside. This ring was grounded with welding at every
corner and in the middle. And it was tied over to the tower ground
ring with two runs of #2 Cu.
So we now have the equipment room in a box made of the copper wire.
The Rings were also tied to a large Cu plate about 1/2 in X 4 in and
30 inch long. This is the Single Point Ground everything was
grounded to this with home run wires up and over head. All the coax
was grounded to the tower at top and bottom and again just as it
entered the building to the Single Point Ground. The equipment
bays were insulated from the floor so if any lightning came into the
bay of equipment it would have to exit via the ground wire and not
via the floor.
Even the doors and air units were tied to the ground system.
All power and phone lines must be tied to the Single Point Ground so
that when and not If it is hit the lightning must go to the grounding
system.
I have been in the buildings when lightning hits the tower and I can
say it all works well.
Now a Counter Pose for better signal is not to be connected at the
out end together. Think of it as Part of the Antenna like a
Dipole ... Or reflector..
Hope this was not too long...

73 Dean W5GXL

Disclaimer: Any errors in spelling, or fact are
transmission errors.

On Jan 16, 2008, at 8:22 PM, Jim wrote:

> Hi Dean, and thanks for the advice.
>
> My understanding is that a good RF ground can make a lousy protective
> ground, but a good protective ground will also make a good RF ground.
>
> I think I will opt for the lightning ground. However, I was thinking

> of augmenting the aforementioned configuration with a counterpoise of
> sorts, in the form of a continuous length of #8 bare copper wire
> going all the way around the house, both ends terminated together at
> the common grounding point. That will be about 140' of extra wire
> near the surface of the ground, perhaps 1/4" to 1/2" deep.
>
> Any thoughts?
>
> Jim
>

[Non-text portions of this message have been removed]

3735. Re: Grounding

Yahoo group: ham-antennas (2008)
Date: 2008-01-17 17:40:41 UTC
From: Jim
Topic: 3726 Message: 3735

That all goes without saying. But if I'm on the radio and lightning strikes, it would be nice not to fry along with the equipment. Lightning can occur without any thunderstorm activity, so it's possible that I don't see it coming. There are no windows, so I have to be extra "beefy" with the safety measures.

Jim

--- In ham-antennas@yahoogroups.com, "N9WB" <n9wb@...> wrote:
>
> The best insurance is to disconnect the equipment from the mains and the
> antenna when not in use, particularly during severe weather. Don't forget
> the rotor cable. Either unplug the rotor control from any outlet strip or
> have a plug that can disconnect the rotor cable.
>
> A radio sitting on a wooden table with no antenna, power, or ground
> connected to it is not likely to suffer lightning damage.
>
> Vy 73, Walt N9WB
>
> ----- Original Message -----
> From: Jim
> To: ham-antennas@yahoogroups.com
> Sent: Wednesday, January 16, 2008 10:40 PM
> Subject: [ham-antennas] Re: Grounding
>
>
> WELL SAID!!!
>
> It's the reason I do NOT buy extended warranties...ever! If I added
> up the cost purchasing every extended warranty ever offered to me, I
> would have spent well over what the regular cost of reparing (or even
> replacing) any one or more of those items would be. Not to mention,
> none of those items has ever broken down. I am ahead of the "game".
>
> With that said, I do plan on buying an iCOM IC7800 in the future and
> thought it might be a good idea to implement my own "insurance
> policy" of a nice, quick, harmless path to ground for that strike
> might would otherwise have my name on it. I'm just not sure that the
> expensive way to go "insures" me any more than the way-less-expensive

> way.
>
> I am doing quite a bit of reading and am feeling a certain comfort
> level for the more conservative installation I spoke about earlier,
> but I will need to sample many more sources before I take the
plunge.
>
> Thanks Jim,
>
> Jim
>
> --- In ham-antennas@yahoogroups.com, "James M.\(Jim\) Geidl"
> <jgeidl@> wrote:
> >
> > Jim,
> >
> > I certainly want to be the last person to push for not being safe
> but you
> > have to look at two things: possibility and probability. Is it
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> > Insurance companies have been selling stuff for years based on
> possibility
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> > Jim, K6JMG
> > //
> >
> >
> > > Subject: [ham-antennas] Grounding
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> > > of a strike, but I just don't have that kind of cash at the

> moment.
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> > > Any hints or suggestions?
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> > > Thanks for your help,
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1/16/2008
> 9:01 AM
>

3736. Re: Grounding

Yahoo group: ham-antennas (2008)
Date: 2008-01-17 17:43:17 UTC
From: Jim
Topic: 3726 Message: 3736

Now that's a nice ground system. For my puposes, would you say #4 is suitable? Also, how often do you have to replace which elements of the system?

Jim

--- In ham-antennas@yahoogroups.com, "Dean L." <w5gxl@...> wrote:
>
> OK. If you really want to make a Lightning grounding system this is
> the way I built cell towers and grounded them.
> At the tower we ran #2 Cu wire off each leg out to a 8 ft ground rod
> 6 ft from the tower base. The rods were tied together in a circle
> and ALL connections were Welded and not clamped.
> All grounding both inside and out was done with #2 Cu solid tined wire..
> At the building or equipment room. A Hilo Ground was installed.
> This was a #2 Cu wire with stand off insulators placed in a circle
> around the ceiling of the room. This was tied at the corners and
> about every 20 ft down and outside to a ring of #2 Cu wire buried
> around the outside. This ring was grounded with welding at every
> corner and in the middle. And it was tied over to the tower ground
> ring with two runs of #2 Cu.
> So we now have the equipment room in a box made of the copper wire.
> The Rings were also tied to a large Cu plate about 1/2 in X 4 in and
> 30 inch long. This is the Single Point Ground everything was
> grounded to this with home run wires up and over head. All the coax
> was grounded to the tower at top and bottom and again just as it
> entered the building to the Single Point Ground. The equipment
> bays were insulated from the floor so if any lightning came into the
> bay of equipment it would have to exit via the ground wire and not
> via the floor.
> Even the doors and air units were tied to the ground system.
> All power and phone lines must be tied to the Single Point Ground so
> that when and not If it is hit the lightning must go to the grounding
> system.
> I have been in the buildings when lightning hits the tower and I can
> say it all works well.

> Now a Counter Pose for better signal is not to be connected at the
> out end together. Think of it as Part of the Antenna like a
> Dipole ... Or reflector..
> Hope this was not too long...
>
> 73 Dean W5GXL
>
> Disclaimer: Any errors in spelling, or fact are
> transmission errors.
>
>
>
>
>
> On Jan 16, 2008, at 8:22 PM, Jim wrote:
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> > Hi Dean, and thanks for the advice.
> >
> > My understanding is that a good RF ground can make a lousy
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> > ground, but a good protective ground will also make a good RF
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> > I think I will opt for the lightning ground. However, I was
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> > of augmenting the aforementioned configuration with a
counterpoise of
> > sorts, in the form of a continuous length of #8 bare copper wire
> > going all the way around the house, both ends terminated together
at
> > the common grounding point. That will be about 140' of extra wire
> > near the surface of the ground, perhaps 1/4" to 1/2" deep.
> >
> > Any thoughts?
> >
> > Jim
> >
>
>
>
> [Non-text portions of this message have been removed]
>

3737. Re: Magnetrons

Yahoo group: ham-antennas (2008)
Date: 2008-01-17 17:46:33 UTC
From: Paul
Topic: 3704 Message: 3737

NO !!!

Paul - K9ERG

--- In ham-antennas@yahoogroups.com, "Herbert Murray" <hcm1955@...>
wrote:
>
> Is there any way to use some type of injection locked method to get
> multiple Magnetrons in sync. Again Thanks Bert
>
> --- In ham-antennas@yahoogroups.com, "Paul" <paul_c_g@> wrote:
> >
> > The magnetrons used in microwave ovens can be moved down to the
ham
> > band. There have been quite a few articles published on using
these
> > magnetrons in ATV transmitters.
> >
> > Good frequency control can be achieved by using the magnetron as
> the
> > VCO in a PLL.
> >
> > It is not possible to make two of these operate "in phase" to get
> > more power. The 1100 watts output when used with a 3M (10ft) dish
> > will give you enough ERP to cause small birds to fall out of the
> sky
> > at 400 Meters (1/4 Mile)...
> >
> > Read part 97 carefully... there are restrictions on using high
> power
> > on frequencies above 400 MHz.
> >
> > Paul - K9ERG
> >
> > --- In ham-antennas@yahoogroups.com, "Dean L." <w5gxl@> wrote:
> > >
> > > I think you will find the Magnetrons are Tuned for only ONE
> > > Frequency. It has to do with the way the tube is made.
> > > You would not be able to change that.
> > >
> > > 73 Dean W5GXL
> > >
> > > Disclaimer: Any errors in spelling, or fact are
> > > transmission errors.
>

> > > On Jan 14, 2008, at 10:36 PM, Herbert Murray wrote:
> > >
> > > > Does anyone in the group know anything about magnetrons? I
> > > > planning to do some experiments in transmitting microwaves.
> > > >
> > > > I would like to use standard magnetrons from a microwave oven
>
> > > > believe I can beam further if operated at the same frequency
and
> > > > with the outputs in phase. I have no idea on how to do this.
> > > > Please advise
> > > >
> > > > Cheers,
> > > > Bert
>

3738. Re: [ham-antennas] Re: Grounding

Yahoo group: ham-antennas (2008)
Date: 2008-01-17 17:49:44 UTC
From: Dean L.
Topic: 3726 Message: 3738

That should do it.... But it is never big enough... hi hi..
You should not ever have to replace anything if you WELD all
connections.
Most like to Cadweld but that is expensive... You can use a brazing
torch and brass rods to do about the same thing... But clamps are
only good for about a year then they get corrosion and have
resistance ...

73 Dean W5GXL

Disclaimer: Any errors in spelling, or fact are
transmission errors.

On Jan 17, 2008, at 11:43 AM, Jim wrote:

> Now that's a nice ground system. For my puposes, would you say #4 is
> suitable? Also, how often do you have to replace which elements of
> the system?
>
> Jim
>
> --- In ham-antennas@yahoogroups.com, "Dean L." <w5gxl@...> wrote:
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> > that when and not If it is hit the lightning must go to the
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> > I have been in the buildings when lightning hits the tower and I
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> > say it all works well.
> > Now a Counter Pose for better signal is not to be connected at the
> > out end together. Think of it as Part of the Antenna like a
> > Dipole ... Or reflector..
> > Hope this was not too long...
> >
> > 73 Dean W5GXL
> >
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> >
> >
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> > > going all the way around the house, both ends terminated together
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> > > the common grounding point. That will be about 140' of extra wire
> > > near the surface of the ground, perhaps 1/4" to 1/2" deep.
> > >
> > > Any thoughts?
> > >
> > > Jim

> > >

[Non-text portions of this message have been removed]

3739. Whatever happened to trap dipoles??

Yahoo group: ham-antennas (2008)
Date: 2008-01-17 20:03:29 UTC
From: lecontejoe
Topic: 3739 Message: 3739

Back in the day -- back when AM was king, when men were men, when giants bestrode the Earth -- one could find trap dipoles everywhere -- B&W, AlphaDelta, everywhere. The concept was simple -- wire dipole with traps spaced out along the wire legs of the antenna; traps tuned for 10, 15, 20, and 40 meters; dipole fed with coax. On 80, the entire antenna was in use and the traps electrically shortened the dipole as you went up the bands. Result was a dipole that was shorter than the 135 feet required if fed with balanced line.

I have a small one that I built covering 40, 20, and 15 -- purchased 20 meter traps from AlphaDelta. The dipole is 28 feet per side -- a standard 40 meter dipole should be around 32-33 feet per side -- the trap effectively shortens the antenna. On 40, it works as a half-wave dipole; ditto for 20; on 15 it works as something like a 3 wavelength dipole. Mine is up around 25 feet;
-- fed with RG-8;
-- coax is rolled into an 8-inch diameter coil at the antenna, 5 turns, makes a choke;
-- SWR on 40 is under 2:1 for the entire band;
-- lower 100 KHz of 20 is high, 3 or 4:1, rest of band is under 2:1;
-- 15 is tricky, lower 200 KHz is under 2:1, rest of the band is, well, take your chances.

Now, instead of trap dipoles, all I find are terminating resistors masquerading as "shortened dipoles."

I lost a lot of stuff in Hurricane Katrina and am looking for a set of traps to build a coax-fed dipole for 10-15-20-40-80. Anyone manufacturing this stuff any longer??

Thanks.

3740. (no subject)

Yahoo group: ham-antennas (2008)
Date: 2008-01-17 20:41:23 UTC
From: Brian Hall
Topic: 3740 Message: 3740

If you are grounding for lightning protection...forget it. I've never met a ham whose station took a direct hit that did not suffer significant damage, regardless of the ground system used. One of these hams had invested over $3000 to install a broadcast station quality ground sytems, including bonded steel mesh blanketing a 50 x 50' area beneath his tower. His station was disconnected, but the strike blew up his single point grounding box and melted a big patch of vinyl siding.

My advice: Do what you can to minimize the effect of a direct hit, unplug your station from the antenna system, lay down a decent station ground w/ the expectation that there will be something damaged if you take a direct hit.

Wait a minute while I don Kevlar...awaiting barrage from naysayers.

Brian AC7NA

_____
Never miss a thing. Make Yahoo your home page.
http://www.yahoo.com/r/hs

[Non-text portions of this message have been removed]

3741. Re: [ham-antennas] Whatever happened to trap dipoles??

Yahoo group: ham-antennas (2008)
Date: 2008-01-17 22:10:12 UTC
From: Leonard K. Pennock
Topic: 3739 Message: 3741

Why don't you roll your own traps? A Google search for "antenna trap design" will yield a bunch of how to.

lecontejoe wrote:
> Back in the day -- back when AM was king, when men were men, when
> giants bestrode the Earth -- one could find trap dipoles everywhere --
> B&W, AlphaDelta, everywhere. The concept was simple -- wire dipole
> with traps spaced out along the wire legs of the antenna; traps tuned
> for 10, 15, 20, and 40 meters; dipole fed with coax. On 80, the
> entire antenna was in use and the traps electrically shortened the
> dipole as you went up the bands. Result was a dipole that was shorter
> than the 135 feet required if fed with balanced line.
>
> I have a small one that I built covering 40, 20, and 15 -- purchased
> 20 meter traps from AlphaDelta. The dipole is 28 feet per side -- a
> standard 40 meter dipole should be around 32-33 feet per side -- the
> trap effectively shortens the antenna. On 40, it works as a half-
> wave dipole; ditto for 20; on 15 it works as something like a 3
> wavelength dipole. Mine is up around 25 feet;
> -- fed with RG-8;
> -- coax is rolled into an 8-inch diameter coil at the antenna, 5
> turns, makes a choke;
> -- SWR on 40 is under 2:1 for the entire band;
> -- lower 100 KHz of 20 is high, 3 or 4:1, rest of band is under 2:1;
> -- 15 is tricky, lower 200 KHz is under 2:1, rest of the band is,
> well, take your chances.
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> Now, instead of trap dipoles, all I find are terminating resistors
> masquerading as "shortened dipoles."
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> I lost a lot of stuff in Hurricane Katrina and am looking for a set
> of traps to build a coax-fed dipole for 10-15-20-40-80. Anyone
> manufacturing this stuff any longer??
>
> Thanks.
>
>

--
Leonard K. Pennock
AD7AS

Those who walk bravely through life, unafraid of loss or failure,
find that they very rarely lose or fail.

3743. (no subject)

Yahoo group: ham-antennas (2008)
Date: 2008-01-17 22:44:54 UTC
From: Jim
Topic: 3740 Message: 3743

Only a fool would spend $10,000 on a rig and not provide for the best possible lightning protection that he/she could for the equipment, his/her family and him/herself...only a fool.

That is just bad advice, sir. If I was open to that line of thinking, I would have never asked the question.

Jim

--- In ham-antennas@yahoogroups.com, Brian Hall <bnhall_2000@...> wrote:
>
> If you are grounding for lightning protection...forget it. I've never met a ham whose station took a direct hit that did not suffer significant damage, regardless of the ground system used. One of these hams had invested over $3000 to install a broadcast station quality ground sytems, including bonded steel mesh blanketing a 50 x 50' area beneath his tower. His station was disconnected, but the strike blew up his single point grounding box and melted a big patch of vinyl siding.
>
> My advice: Do what you can to minimize the effect of a direct hit, unplug your station from the antenna system, lay down a decent station ground w/ the expectation that there will be something damaged if you take a direct hit.
>
> Wait a minute while I don Kevlar...awaiting barrage from naysayers.
>
> Brian AC7NA
>
>
>

> Never miss a thing. Make Yahoo your home page.
> http://www.yahoo.com/r/hs
>
> [Non-text portions of this message have been removed]
>

3744. Re: [ham-antennas] (unknown)

Yahoo group: ham-antennas (2008)
Date: 2008-01-17 23:19:13 UTC
From: QRP_1@juno.com
Topic: 3744 Message: 3744

Only a fool would spend $10,000 on a rig and not provide for the best possible lightning protection that he/she could for the equipment, his/her family and him/herself...only a fool. [snip]

In my opinion, only a fool would spend $10,000 on a radio in the first place ! But I agree that nothing will protect the equipment from a direct lightening strike - no matter how good the ground system is. And I don't believe that lightening only strikes the tallest object around either. I've seen lightening strike trees that was much lower than anything else around them including my antennas. Lightening once knocked a limb out of a big water maple in my yard. The limb was about 1 foot in diameter and only about 10 feet up the tree. My antenna was 30 feet away and 40 feet in the air and the lightening never touched it.

I think the best was to prevent strikes though and so far I haven't had any strikes here while using it, is to keep the feedlines grounded when not in use. This keeps charges from building up on the antennas and feedlines that can trigger a strike. To ground the feedlines though, don't depend on switches. Actually disconnect the feedlines from the equipment and connect them to a good solid ground. I do this with a ground box that I built. Its a cast aluminum box with coax connectors mounted on it for each feedline I have and each center pin is grounded to the box with a heavy copper strap inside the box and the box is bonded to the ground strap for the shack. When not in use, the feedlines are disconnected from the equipment and connected to the ground box. My ground is 3 8' copper clad rods driven into the ground outside the shack and all bonded together with heavy copper strap and also bonded to my electrical service ground. Only problems I've ever had was when lightening struck the phone line somewhere in the neighborhood. It destroyed 2 phones and the modem in a computer. I now disconnect the modem lines and phones during a storm except for one cheap cordless phone that only cost about 10 bucks at a flea market so there will still be one on incase the family needs to get in touch during emergencies.

But no matter what you do, lightening can still do damage. I've seen it hit the power lines and blow the meter base of the side of a house, and it blew some of the outlets out of the wall boxes ! Kind of hard to disconnect from the power company whenever you want !

Rick McKee, KC8AON, Ohio - www.angelfire.com/electronic2/qrp
Monthly QRP Field Day Group - http://groups.yahoo.com/group/MQFD/
With God all things are possible <><

3745. Re: [ham-antennas] (unknown)

Yahoo group: ham-antennas (2008)
Date: 2008-01-17 23:38:03 UTC
From: Gene Gabry
Topic: 3744 Message: 3745

And it is not just the cost of replacing the ham station when you take a direct hit. You have to think about adding enough protection for your structure.

I took a direct hit in May of 1999 after just putting up a small 35' Rohn 25G tower along side my house in October of 1998. BTW, this is no longer a recommended practice of putting your tower up along side your house now per our local ordinance, but that's another story.

I was in a rush to finish things off with the installation in October, and I just threw a couple of 8 foot ground rods in the ground 8 feet out from the tower and said that's good enough. I only had 12' of mast with a triband, a VHF and UHF beam and a dual band vertical on top. Well... in addition to the strike taking out my entire ham shack, I had another $14K of damage to the house, and was at risk for a short time just after the strike for a fire to occur in one of the inside walls of our home. The high voltage surge also took out computers and TV's in five houses in our neighborhood, and fried several under ground cable TV runs to several of my neighbors homes. The distribution box for the neighborhood happens to be in my back yard. My point here is that direct strike may not only effect your property, and certain care should be taken to do the very best you can to avoid major damage, not only to your propery but others as well.

It does not require thousands of dollars to insatll a decent workable ground ssytem. It would be nice if we could afford the ground systems out lined in Polyphaser's grounding manual, but that is not practical. However, we sure can use some of that system at much less the cost.

Iv'e taken the threat of lightning much more serious since my dirct hit 9 yeras ago. I have installed 12, 8 foot ground rods on my small 50'X 140' lot per Polyphaser recommendations, connected with #4 stranded copper wire.(should really be heavier gauge than that) All of my feed lines are connected to Alpha Delta lightning arrestors at the base of the tower and the whole system is tied to a single point ground system.

My biggest expense were the Alpha Delta arrestors, as I needed 10, for the 10 feed lines coming into the shack. ALL equipment in the shack is grounded to the single point system using 3" wide copper foil.
All feed lines entering the shack are fed into Alpha Delta switch boxes which are mounted on a copper wall panel, for a common ground point in the shack. During a threat of storms, they all get switched to center common position.

I know the probability exists that I will be hit again sometime in the future, and the best I can do is put in the best system I can that will divert as much energy away from the equipment and house as possible.

I believe, only a fool would think he is invincable to the power and destruction of a lightning strike!

BTW, the root cause of my strike was poor judgement on my part when installing the VHF/UHF vertical at the top of the mast. I added a short 5 foot section of 1" radio shack mast to the main 1 1/2 galvanized mast, in order to get enough vertical spacing between the 432 beam and the vertical. I totally had a brain fart about attaching two different metals together.

Gene, N9TF

--- Jim <jimemack2000@...> wrote:

> Only a fool would spend $10,000 on a rig and not
> provide for the best
> possible lightning protection that he/she for the
> equipment, his/her
> family and him/herself...only a fool.
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> That is just bad advice, sir. If I was open to that
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> Jim
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> <bnhall_2000@...>
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> > Wait a minute while I don Kevlar...awaiting
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> > Brian AC7NA
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> _____
> > Never miss a thing. Make Yahoo your home page.
> > http://www.yahoo.com/r/hs
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> > [Non-text portions of this message have been
> removed]
> >
>
>
>

Looking for last minute shopping deals?
Find them fast with Yahoo! Search.
http://tools.search.yahoo.com/newsearch/category.php?category=shopping

3746. Re: Whatever happened to trap dipoles??

Yahoo group: ham-antennas (2008)
Date: 2008-01-17 23:43:37 UTC
From: lecontejoe
Topic: 3739 Message: 3746

That's probably what I'll do -- but I figured it never hurts to ask.

--- In ham-antennas@yahoogroups.com, "Leonard K. Pennock"
<leonardpennock@...> wrote:
>
> Why don't you roll your own traps? A Google search for "antenna trap
> design" will yield a bunch of how to.
>
> lecontejoe wrote:
> > Back in the day -- back when AM was king, when men were men, when
> > giants bestrode the Earth -- one could find trap dipoles
everywhere --
> > B&W, AlphaDelta, everywhere. The concept was simple -- wire
dipole
> > with traps spaced out along the wire legs of the antenna; traps
tuned
> > for 10, 15, 20, and 40 meters; dipole fed with coax. On 80, the
> > entire antenna was in use and the traps electrically shortened
the
> > dipole as you went up the bands. Result was a dipole that was
shorter
> > than the 135 feet required if fed with balanced line.
> >
> > I have a small one that I built covering 40, 20, and 15 --
purchased
> > 20 meter traps from AlphaDelta. The dipole is 28 feet per side --
a
> > standard 40 meter dipole should be around 32-33 feet per side --
the
> > trap effectively shortens the antenna. On 40, it works as a half-
> > wave dipole; ditto for 20; on 15 it works as something like a 3
> > wavelength dipole. Mine is up around 25 feet;
> > -- fed with RG-8;
> > -- coax is rolled into an 8-inch diameter coil at the antenna, 5
> > turns, makes a choke;
> > -- SWR on 40 is under 2:1 for the entire band;
> > -- lower 100 KHz of 20 is high, 3 or 4:1, rest of band is under
2:1;
> > -- 15 is tricky, lower 200 KHz is under 2:1, rest of the band is,
> > well, take your chances.
> >
> > Now, instead of trap dipoles, all I find are terminating
resistors
> > masquerading as "shortened dipoles."
> >

> > I lost a lot of stuff in Hurricane Katrina and am looking for a
set
> > of traps to build a coax-fed dipole for 10-15-20-40-80. Anyone
> > manufacturing this stuff any longer??
> >
> > Thanks.
> >
> >
>
> --
> Leonard K. Pennock
> AD7AS
>
> Those who walk bravely through life, unafraid of loss or failure,
> find that they very rarely lose or fail.
>

3747. Re: [ham-antennas] Re: Whatever happened to trap dipoles??

Yahoo group: ham-antennas (2008)
Date: 2008-01-17 23:54:44 UTC
From: Leonard K. Pennock
Topic: 3739 Message: 3747

Alpha Delta does make their iso traps but they don't list them on the
web site as being separately available. You could try calling them to
see if they sell them separate.

lecontejoe wrote:
> That's probably what I'll do -- but I figured it never hurts to ask.
>
>
>
>
> --- In ham-antennas@yahoogroups.com, "Leonard K. Pennock"
> <leonardpennock@...> wrote:
>> Why don't you roll your own traps? A Google search for "antenna trap
>> design" will yield a bunch of how to.
>>
>> lecontejoe wrote:
>>> Back in the day -- back when AM was king, when men were men, when
>>> giants bestrode the Earth -- one could find trap dipoles
> everywhere --
>>> B&W, AlphaDelta, everywhere. The concept was simple -- wire
> dipole
>>> with traps spaced out along the wire legs of the antenna; traps
> tuned
>>> for 10, 15, 20, and 40 meters; dipole fed with coax. On 80, the
>>> entire antenna was in use and the traps electrically shortened
> the
>>> dipole as you went up the bands. Result was a dipole that was
> shorter
>>> than the 135 feet required if fed with balanced line.
>>>
>>> I have a small one that I built covering 40, 20, and 15 --
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>>> 20 meter traps from AlphaDelta. The dipole is 28 feet per side --
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>>> standard 40 meter dipole should be around 32-33 feet per side --
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>>> trap effectively shortens the antenna. On 40, it works as a half-
>>> wave dipole; ditto for 20; on 15 it works as something like a 3
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>>> manufacturing this stuff any longer??
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>>> Thanks.
>>>

--
Leonard K. Pennock
AD7AS

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find that they very rarely lose or fail.

3748. Re: Whatever happened to trap dipoles??

Yahoo group: ham-antennas (2008)
Date: 2008-01-18 00:16:46 UTC
From: lecontejoe
Topic: 3739 Message: 3748

Well, well -- answered my own question -- this new thing
called "Google" --
http://www.unadilla.com/products.htm

--- In ham-antennas@yahoogroups.com, "lecontejoe" <joe@...> wrote:
>
> Back in the day -- back when AM was king, when men were men, when
> giants bestrode the Earth -- one could find trap dipoles
everywhere --
> B&W, AlphaDelta, everywhere. The concept was simple -- wire
dipole
> with traps spaced out along the wire legs of the antenna; traps
tuned
> for 10, 15, 20, and 40 meters; dipole fed with coax. On 80, the
> entire antenna was in use and the traps electrically shortened the
> dipole as you went up the bands. Result was a dipole that was
shorter
> than the 135 feet required if fed with balanced line.
>
> I have a small one that I built covering 40, 20, and 15 --
purchased
> 20 meter traps from AlphaDelta. The dipole is 28 feet per side --
a
> standard 40 meter dipole should be around 32-33 feet per side --
the
> trap effectively shortens the antenna. On 40, it works as a half-
> wave dipole; ditto for 20; on 15 it works as something like a 3
> wavelength dipole. Mine is up around 25 feet;
> -- fed with RG-8;
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> turns, makes a choke;
> -- SWR on 40 is under 2:1 for the entire band;
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2:1;
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> Now, instead of trap dipoles, all I find are terminating resistors
> masquerading as "shortened dipoles."
>
> I lost a lot of stuff in Hurricane Katrina and am looking for a set
> of traps to build a coax-fed dipole for 10-15-20-40-80. Anyone
> manufacturing this stuff any longer??
>
> Thanks.

>

3749. Re: (unknown)

Yahoo group: ham-antennas (2008)
Date: 2008-01-18 00:35:43 UTC
From: Dave
Topic: 3744 Message: 3749

Towers attached directly to the side of a house are a no-no in many jurisdictions specifically because of lightning. As a fast rise-time pulse, lightning cares less about resistance, and more about inductance. So, it can hit the top of your tower, then leap from tower to an AC power line inside one of your walls and do damage. If that path is physically shorter than travelling the rest of the way down the tower to your ground rods, then the ground rods are not going to save you from much.

I saw just such a lightning hit in Norcross, Georgia. It was a commercial tower installation, bolted to the side of a two-story commercial brick building...where we were developing satellite TV equipment as used by cable companies. The attachment point was the flat roof, which extended some 4-5 feet away from the building. This was a sturdy tower, three feet across at the base, and it had all the PE, structural engineering, code inspector approvals you could think of. The lightning grounding system included several dozen rods and 00 copper wire. It is hard to imagine anything sturdier in terms of grounding. Yet, the lightning path was etched on the back of my eyeball - I saw the strike hit and leap five feet across to the brick building, fully 25 feet off the ground. The lightning bolt inside the building leapt from an outlet box (two feet from where the lightning struck outside) approximately fifteen to a metal support pole that held the roof up. One of our engineering techs was sitting at the bench, no more than five feet from the path of the bolt. Scared to death, but uninjured. The burn marks were about a foot in diameter.

The "rule of thumb" is that the tallest object is most likely to be hit, but you are supposed to keep an area around it completely clear up to a distance equal to the height. In other words, a 50 foot tall tower should have no valuable structures within 50 feet of the base.

In addition to the lightning risk, fascia boards on houses have no ability to support a load, so if you have not improved the structure under a fascia board, it's a terrible thing to bolt a tower to.

I've been lucky - I've never bothered with a grounding system. But I never had a tall enough structure to be a risk when I lived in "lightning territory". My first 50-footer was a mast, clamped to the back of my house, on an insulated base so I could base-feet it on 160 meters, and guyed with rope. But - it was in a part of the country that had not seen a lightning strike in about ten years. And, I figured, if one happened, it was probably the high voltage lines about 150 feet south of me and on 150 foot towers that were at risk.

I'm now in an area that gets lightning occasionally, but nowhere near like east of the Mississippi...and my 50 foot tower is going to be 250 feet from the house.

Dave W8NF

--- In ham-antennas@yahoogroups.com, Gene Gabry <gene_n9tf@...> wrote:
>
> And it is not just the cost of replacing the ham
> station when you take a direct hit. You have to think
> about adding enough protection for your structure.
>
> I took a direct hit in May of 1999 after just putting
> up a small 35' Rohn 25G tower along side my house in
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> house now per our local ordinance, but that's another
> story.
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> I was in a rush to finish things off with the
> installation in October, and I just threw a couple of
> 8 foot ground rods in the ground 8 feet out from the
> tower and said that's good enough. I only had 12' of
> mast with a triband, a VHF and UHF beam and a dual
> band vertical on top. Well... in addition to the
> strike taking out my entire ham shack, I had another
> $14K of damage to the house, and was at risk for a
> short time just after the strike for a fire to occur
> in one of the inside walls of our home. The high
> voltage surge also took out computers and TV's in five
> houses in our neighborhood, and fried several under
> ground cable TV runs to several of my neighbors homes.
> The distribution box for the neighborhood happens to
> be in my back yard. My point here is that direct
> strike may not only effect your property, and certain
> care should be taken to do the very best you can to
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> practical. However, we sure can use some of that
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> Iv'e taken the threat of lightning much more serious
> since my dirct hit 9 yeras ago. I have installed 12, 8
> foot ground rods on my small 50'X 140' lot per
> Polyphaser recommendations, connected with #4 stranded
> copper wire.(should really be heavier gauge than that)
> All of my feed lines are connected to Alpha Delta

> lightning arrestors at the base of the tower and the
> whole system is tied to a single point ground system.
> My biggest expense were the Alpha Delta arrestors, as
> I needed 10, for the 10 feed lines coming into the
> shack. ALL equipment in the shack is grounded to the
> single point system using 3" wide copper foil.
> All feed lines entering the shack are fed into Alpha
> Delta switch boxes which are mounted on a copper wall
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> a threat of storms, they all get switched to center
> common position.
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> sometime in the future, and the best I can do is put
> in the best system I can that will divert as much
> energy away from the equipment and house as possible.
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> I believe, only a fool would think he is invincable to
> the power and destruction of a lightning strike!
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> BTW, the root cause of my strike was poor judgement on
> my part when installing the VHF/UHF vertical at the
> top of the mast. I added a short 5 foot section of 1"
> radio shack mast to the main 1 1/2 galvanized mast, in
> order to get enough vertical spacing between the 432
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> about attaching two different metals together.
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> > damaged if you take a direct hit.
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> > > Brian AC7NA
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> > > [Non-text portions of this message have been
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>
_____
> Looking for last minute shopping deals?
> Find them fast with Yahoo! Search.
http://tools.search.yahoo.com/newsearch/category.php?category=shopping
>

3750. Re: (unknown)

Yahoo group: ham-antennas (2008)
Date: 2008-01-18 00:38:45 UTC
From: Jim
Topic: 3744 Message: 3750

Most people who can't afford one say the same thing to me. It just
doesn't bother me any more.

--- In ham-antennas@yahoogroups.com, QRP_1@... wrote:
>
> Only a fool would spend $10,000 on a rig and not provide for the
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> possible lightning protection that he/she could for the equipment,
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first
> place ! But I agree that nothing will protect the equipment from a
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> I think the best was to prevent strikes though and so far I haven't
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> any strikes here while using it, is to keep the feedlines grounded
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> not in use. This keeps charges from building up on the antennas and
> feedlines that can trigger a strike. To ground the feedlines
though,
> don't depend on switches. Actually disconnect the feedlines from
the
> equipment and connect them to a good solid ground. I do this with a
> ground box that I built. Its a cast aluminum box with coax
connectors
> mounted on it for each feedline I have and each center pin is
grounded to
> the box with a heavy copper strap inside the box and the box is
bonded to
> the ground strap for the shack. When not in use, the feedlines are
> disconnected from the equipment and connected to the ground box. My
> ground is 3 8' copper clad rods driven into the ground outside the

shack
> and all bonded together with heavy copper strap and also bonded to
my
> electrical service ground. Only problems I've ever had was when
> lightening struck the phone line somewhere in the neighborhood. It
> destroyed 2 phones and the modem in a computer. I now disconnect
the
> modem lines and phones during a storm except for one cheap cordless
phone
> that only cost about 10 bucks at a flea market so there will still
be one
> on incase the family needs to get in touch during emergencies.
>
> But no matter what you do, lightening can still do damage. I've
seen it
> hit the power lines and blow the meter base of the side of a house,
and
> it blew some of the outlets out of the wall boxes ! Kind of hard to
> disconnect from the power company whenever you want !
>
> Rick McKee, KC8AON, Ohio - www.angelfire.com/electronic2/qrp
> Monthly QRP Field Day Group - http://groups.yahoo.com/group/MQFD/
> With God all things are possible <><
>

3751. Re: (unknown)

Yahoo group: ham-antennas (2008)
Date: 2008-01-18 00:45:04 UTC
From: Jim
Topic: 3744 Message: 3751

My sympathy, Gene. That's gotta be a tough situation. I'm glad to hear that no one got hurt, at least, you didn't mention anyone.

Anyway, my setup will leave the antenna that I want to put up in the open, more venerable to strikes than a lot of folks. I'm just not bypassing any chance I have to save equipment, my house and especially people.

Thanks for the support,
Jim

--- In ham-antennas@yahoogroups.com, Gene Gabry <gene_n9tf@...> wrote:
>
> And it is not just the cost of replacing the ham
> station when you take a direct hit. You have to think
> about adding enough protection for your structure.
>
> I took a direct hit in May of 1999 after just putting
> up a small 35' Rohn 25G tower along side my house in
> October of 1998. BTW, this is no longer a recommended
> practice of putting your tower up along side your
> house now per our local ordinance, but that's another
> story.
>
> I was in a rush to finish things off with the
> installation in October, and I just threw a couple of
> 8 foot ground rods in the ground 8 feet out from the
> tower and said that's good enough. I only had 12' of
> mast with a triband, a VHF and UHF beam and a dual
> band vertical on top. Well... in addition to the
> strike taking out my entire ham shack, I had another
> $14K of damage to the house, and was at risk for a
> short time just after the strike for a fire to occur
> in one of the inside walls of our home. The high
> voltage surge also took out computers and TV's in five
> houses in our neighborhood, and fried several under
> ground cable TV runs to several of my neighbors homes.
> The distribution box for the neighborhood happens to
> be in my back yard. My point here is that direct
> strike may not only effect your property, and certain
> care should be taken to do the very best you can to
> avoid major damage, not only to your propery but
> others as well.
>
> It does not require thousands of dollars to insatll a
> decent workable ground ssytem. It would be nice if we

> could afford the ground systems out lined in
> Polyphaser's grounding manual, but that is not
> practical. However, we sure can use some of that
> system at much less the cost.
>
> Iv'e taken the threat of lightning much more serious
> since my dirct hit 9 yeras ago. I have installed 12, 8
> foot ground rods on my small 50'X 140' lot per
> Polyphaser recommendations, connected with #4 stranded
> copper wire.(should really be heavier gauge than that)
> All of my feed lines are connected to Alpha Delta
> lightning arrestors at the base of the tower and the
> whole system is tied to a single point ground system.
> My biggest expense were the Alpha Delta arrestors, as
> I needed 10, for the 10 feed lines coming into the
> shack. ALL equipment in the shack is grounded to the
> single point system using 3" wide copper foil.
> All feed lines entering the shack are fed into Alpha
> Delta switch boxes which are mounted on a copper wall
> panel, for a common ground point in the shack. During
> a threat of storms, they all get switched to center
> common position.
>
> I know the probability exists that I will be hit again
> sometime in the future, and the best I can do is put
> in the best system I can that will divert as much
> energy away from the equipment and house as possible.
>
> I believe, only a fool would think he is invincable to
> the power and destruction of a lightning strike!
>
> BTW, the root cause of my strike was poor judgement on
> my part when installing the VHF/UHF vertical at the
> top of the mast. I added a short 5 foot section of 1"
> radio shack mast to the main 1 1/2 galvanized mast, in
> order to get enough vertical spacing between the 432
> beam and the vertical. I totally had a brain fart
> about attaching two different metals together.
>
> Gene, N9TF
>
> --- Jim <jimemack2000@...> wrote:
>
> > Only a fool would spend $10,000 on a rig and not
> > provide for the best
> > possible lightning protection that he/she for the
> > equipment, his/her
> > family and him/herself...only a fool.
> >
> > That is just bad advice, sir. If I was open to that

> > line of
> > thinking, I would have never asked the question.
> >
> > Jim
> >
> > --- In ham-antennas@yahoogroups.com, Brian Hall
> > <bnhall_2000@>
> > wrote:
> > >
> > > If you are grounding for lightning
> > protection...forget it. I've
> > never met a ham whose station took a direct hit that
> > did not suffer
> > significant damage, regardless of the ground system
> > used. One of
> > these hams had invested over $3000 to install a
> > broadcast station
> > quality ground sytems, including bonded steel mesh
> > blanketing a 50 x
> > 50' area beneath his tower. His station was
> > disconnected, but the
> > strike blew up his single point grounding box and
> > melted a big patch
> > of vinyl siding.
> > >
> > > My advice: Do what you can to minimize the effect
> > of a direct hit,
> > unplug your station from the antenna system, lay
> > down a decent
> > station ground w/ the expectation that there will be
> > something
> > damaged if you take a direct hit.
> > >
> > > Wait a minute while I don Kevlar...awaiting
> > barrage from naysayers.
> > >
> > > Brian AC7NA
> > >
> > >
> > >
> >
>

> > _____
> > > Never miss a thing. Make Yahoo your home page.
> > > http://www.yahoo.com/r/hs
> > >
> > > [Non-text portions of this message have been
> > removed]
> > >

> >
> >
> >
>
>
>
>

> Looking for last minute shopping deals?
> Find them fast with Yahoo! Search.
http://tools.search.yahoo.com/newsearch/category.php?category=shopping
>

3752. Dumb question?

Yahoo group: ham-antennas (2008)
Date: 2008-01-18 02:13:54 UTC
From: Dave
Topic: 3744 Message: 3752

--- In ham-antennas@yahoogroups.com, Gene Gabry <gene_n9tf@...> wrote:

>
> BTW, the root cause of my strike was poor judgement on
> my part when installing the VHF/UHF vertical at the
> top of the mast. I added a short 5 foot section of 1"
> radio shack mast to the main 1 1/2 galvanized mast, in
> order to get enough vertical spacing between the 432
> beam and the vertical. I totally had a brain fart
> about attaching two different metals together.
>
> Gene, N9TF

How is "attaching two different metals together" associated somehow
with a lightning hit? Is this supposed to attract lightning?

Dave W8NF

3753. Re: Dumb question?

Yahoo group: ham-antennas (2008)
Date: 2008-01-18 03:11:39 UTC
From: Jim
Topic: 3744 Message: 3753

It would create a voltage drop (resistance), due to the corrosive action between the metals. In other words, the grounding of the upper part of the mast was defeated...I guess.

--- In ham-antennas@yahoogroups.com, "Dave" <emailw8nf@...> wrote:
>
> --- In ham-antennas@yahoogroups.com, Gene Gabry <gene_n9tf@> wrote:
>
> >
> > BTW, the root cause of my strike was poor judgement on
> > my part when installing the VHF/UHF vertical at the
> > top of the mast. I added a short 5 foot section of 1"
> > radio shack mast to the main 1 1/2 galvanized mast, in
> > order to get enough vertical spacing between the 432
> > beam and the vertical. I totally had a brain fart
> > about attaching two different metals together.
> >
> > Gene, N9TF
>
>
> How is "attaching two different metals together" associated somehow
> with a lightning hit? Is this supposed to attract lightning?
>
> Dave W8NF
>

3754. Re: [ham-antennas] Re: Lightning strike

Yahoo group: ham-antennas (2008)
Date: 2008-01-18 03:31:18 UTC
From: Gene Gabry
Topic: 3744 Message: 3754

Dave,

Your lightning strike experience had many similarities to my strike. My dual band vertical was the initial attack point at barely 60' above ground to the top. The radiator and most of the mount were vaporized. I had lots of fiber glass shavings all over the back yard! As the charge traveled down the tower, streamers jumped off at the gutter. There were multiple arc burn marks across the two legs of the tower across to the gutter. Both 20 foot sections of down spout on either side of the back of the house were blown apart from the main gutter system and were basically nothing but pieces of shrapnel in the back yard smoldering. I believe it was one of the streamers from the down spout around the corner where my underground electric service enters my basement, jumped and punched a 2 inch diameter hole in the siding and through the wall board where the electric panel is mounted. Not only did it melt every circuit breaker in the panel, it fused the buss bar to the back side of the panel and knocked the panel off the studs and concrete wall. This streamer was not yet done. There is an outlet directly across from the electric panel where the streamer continued on through to the other side which was my ham shack. The wall around the outlet where this streamer entered was blackened and burning hot to touch minutes after the strike. The fire department monitored this area for a while before we were cleared to re-enter the house.
This next part is very interesting. The surge that entered my shack through the outlet, followed a path through the surge protectors to my computer, radio power supply and 3 of 4 rigs. The only 2 pieces of equipment that were not damaged was one HF rig, which was the only rig connected to a grounded switch box, and, believe it or not, a cordless phone that was plugged into the other plug of the same outlet where the surge entered. The phone was not in the AC surge protector chain! The surge protector was in little bits and pieces all over the shack, with some pieces in bedded in the dry wall. This streamer then followed this AC line up into the kitchen above and fried all of the GFI outlets on the first floor, taking out the range lites and one ceiling fan before exiting. Now

for a real interesting part of this story. I did not have to call the fire department as a neighbor of ours three doors down and across the street did. At the same time I got hit, her ceiling fan started arcing and sparking and spinning with no electric applied. At the same time I was hit a bolt came out of her ceiling fan, into the carpeting, starting a small fire in her family room!

As for my tower position and mounting. I really didn't have much of a choice in this location. The electric service runs underground diagonal through by back yard, and I have a pretty deep and wide swale in the middle of the back yard that runs the entire width. That is where I would have liked to have put the tower, but that would have put it way too close to the underground eclectic service and that area ends up like a river when it rains as it is part of water run off to the sewer main, which happens to straddle my property and the neighbors!
Although I didn't really need to house bracket the tower, as I went way over kill on the concrete base, I felt more comfortable climbing (psychological) with two brackets anchored with 4, 4 inch lag bolts into the ends of two rafters.

As my XYL and I reminisce about that episode from time to time, we can now make some humor of it. At the time of the strike, my wife and I and our three boys were watching a movie on TV, waiting for our pizza to be delivered. Two of our boys were walking through the kitchen on the way back into the family room when I turned to look at the wall clock in the kitchen to see if our pizza was late. At that instant is when we got hit. It was like slow motion. I felt the floor underneath my body drop away, my two boys leaped into the air diving into the center of the family room where my wife and were sitting on the floor. And I will never forget the intense bright white light and instantaneously bomb like sound and force, then everything went dark. All five of us stayed huddled together on the floor, shaking for several minutes. One of my sons finally asked with a nervous voice "are you still alive"!
Not something I want to ever repeat!

Anyway, that's my story and I'm sticken with it!

73 Gene N9TF
--- Dave <emailw8nf@...> wrote:

> Towers attached directly to the side of a house are
> a no-no in many
> jurisdictions specifically because of lightning. As
> a fast rise-time
> pulse, lightning cares less about resistance, and
> more about
> inductance. So, it can hit the top of your tower,
> then leap from
> tower to an AC power line inside one of your walls
> and do damage. If
> that path is physically shorter than travelling the
> rest of the way
> down the tower to your ground rods, then the ground
> rods are not going
> to save you from much.
>
> I saw just such a lightning hit in Norcross,
> Georgia. It was a
> commercial tower installation, bolted to the side of
> a two-story
> commercial brick building...where we were developing
> satellite TV
> equipment as used by cable companies. The
> attachment point was the
> flat roof, which extended some 4-5 feet away from
> the building. This
> was a sturdy tower, three feet across at the base,
> and it had all the
> PE, structural engineering, code inspector approvals
> you could think
> of. The lightning grounding system included several
> dozen rods and 00
> copper wire. It is hard to imagine anything
> sturdier in terms of
> grounding. Yet, the lightning path was etched on
> the back of my
> eyeball - I saw the strike hit and leap five feet
> across to the brick
> building, fully 25 feet off the ground. The
> lightning bolt inside the
> building leapt from an outlet box (two feet from
> where the lightning
> struck outside) approximately fifteen to a metal
> support pole that
> held the roof up. One of our engineering techs was
> sitting at the
> bench, no more than five feet from the path of the
> bolt. Scared to
> death, but uninjured. The burn marks were about a
> foot in diameter.
>

> The "rule of thumb" is that the tallest object is
> most likely to be
> hit, but you are supposed to keep an area around it
> completely clear
> up to a distance equal to the height. In other
> words, a 50 foot tall
> tower should have no valuable structures within 50
> feet of the base.
>
> In addition to the lightning risk, fascia boards on
> houses have no
> ability to support a load, so if you have not
> improved the structure
> under a fascia board, it's a terrible thing to bolt
> a tower to.
>
> I've been lucky - I've never bothered with a
> grounding system. But I
> never had a tall enough structure to be a risk when
> I lived in
> "lightning territory". My first 50-footer was a
> mast, clamped to the
> back of my house, on an insulated base so I could
> base-feet it on 160
> meters, and guyed with rope. But - it was in a part
> of the country
> that had not seen a lightning strike in about ten
> years. And, I
> figured, if one happened, it was probably the high
> voltage lines about
> 150 feet south of me and on 150 foot towers that
> were at risk.
>
> I'm now in an area that gets lightning occasionally,
> but nowhere near
> like east of the Mississippi...and my 50 foot tower
> is going to be 250
> feet from the house.
>
> Dave W8NF
>
> --- In ham-antennas@yahoogroups.com, Gene Gabry
> <gene_n9tf@...> wrote:
> >
> > And it is not just the cost of replacing the ham
> > station when you take a direct hit. You have to
> think
> > about adding enough protection for your structure.
>
> >

> > I took a direct hit in May of 1999 after just
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> > up a small 35' Rohn 25G tower along side my house
> in
> > October of 1998. BTW, this is no longer a
> recommended
> > practice of putting your tower up along side your
> > house now per our local ordinance, but that's
> another
> > story.
> >
> > I was in a rush to finish things off with the
> > installation in October, and I just threw a couple
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> > 8 foot ground rods in the ground 8 feet out from
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> > tower and said that's good enough. I only had 12'
> of
> > mast with a triband, a VHF and UHF beam and a dual
> > band vertical on top. Well... in addition to the
> > strike taking out my entire ham shack, I had
> another
> > $14K of damage to the house, and was at risk for a
> > short time just after the strike for a fire to
> occur
> > in one of the inside walls of our home. The high
> > voltage surge also took out computers and TV's in
> five
> > houses in our neighborhood, and fried several
> under
> > ground cable TV runs to several of my neighbors
> homes.
> > The distribution box for the neighborhood happens
> to
> > be in my back yard. My point here is that direct
> > strike may not only effect your property, and
> certain
> > care should be taken to do the very best you can
> to
> > avoid major damage, not only to your propery but
> > others as well.
> >
> > It does not require thousands of dollars to
> insatll a
> > decent workable ground ssytem. It would be nice if
> we
> > could afford the ground systems out lined in
> > Polyphaser's grounding manual, but that is not
> > practical. However, we sure can use some of that
> > system at much less the cost.

> >
> > Iv'e taken the threat of lightning much more
> serious
> > since my dirct hit 9 yeras ago. I have installed
> 12, 8
> > foot ground rods on my small 50'X 140' lot per
> > Polyphaser recommendations, connected with #4
> stranded
> > copper wire.(should really be heavier gauge than
> that)
> > All of my feed lines are connected to Alpha Delta
> > lightning arrestors at the base of the tower and
> the
> > whole system is tied to a single point ground
> system.
> > My biggest expense were the Alpha Delta arrestors,
> as
> > I needed 10, for the 10 feed lines coming into the
> > shack. ALL equipment in the shack is grounded to
> the
> > single point system using 3" wide copper foil.
> > All feed lines entering the shack are fed into
> Alpha
> > Delta switch boxes which are mounted on a copper
> wall
> > panel, for a common ground point in the shack.
> During
> > a threat of storms, they all get switched to
> center
> > common position.
> >
> > I know the probability exists that I will be hit
> again
> > sometime in the future, and the best I can do is
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> > in the best system I can that will divert as much
> > energy away from the equipment and house as
> possible.
> >
> > I believe, only a fool would think he is
> invincable to
> > the power and destruction of a lightning strike!
> >
> > BTW, the root cause of my strike was poor
> judgement on
> > my part when installing the VHF/UHF vertical at
> the
> > top of the mast. I added a short 5 foot section of
> 1"
> > radio shack mast to the main 1 1/2 galvanized

> mast,
=== message truncated ===

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3755. Re: [ham-antennas] Dumb question?

Yahoo group: ham-antennas (2008)
Date: 2008-01-18 03:37:37 UTC
From: Gene Gabry
Topic: 3744 Message: 3755

My method of attaching one mast to the other was via
two u-clamps with there being a compression contact
between the two different metals. The metals had
oxidized causing a high resistance between the two.
Basically the top 5 foot section with the vertical was
now at a different potential then the rest of the
system, and became the weak point. It is highly likely
that the first streamer originated from this point.

Gene N9TF
--- Dave <emailw8nf@...> wrote:

> --- In ham-antennas@yahoogroups.com, Gene Gabry
> <gene_n9tf@...> wrote:
>
> >
> > BTW, the root cause of my strike was poor
> judgement on
> > my part when installing the VHF/UHF vertical at
> the
> > top of the mast. I added a short 5 foot section of
> 1"
> > radio shack mast to the main 1 1/2 galvanized
> mast, in
> > order to get enough vertical spacing between the
> 432
> > beam and the vertical. I totally had a brain fart
> > about attaching two different metals together.
> >
> > Gene, N9TF
>
>
> How is "attaching two different metals together"
> associated somehow
> with a lightning hit? Is this supposed to attract
> lightning?
>
> Dave W8NF
>
>

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3756. Grounding

Yahoo group: ham-antennas (2008)
Date: 2008-01-18 18:34:49 UTC
From: Brian Hall
Topic: 3726 Message: 3756

My point was eloquently illustrated...A previous poster described in detail how a commercial tower site is ground and it is clearly unreasonably expensive for all but a very small minority of hams.

Another poster described the damage a lightning strike can cause (would be interested to know if his shack was disconnected).

A high quality ground is designed to prevent a strike (like a lightning rod does), but dissipate energy in the event one occurs anyway.

My point was simply this: Install as good a ground system as you can afford using good engineering practices...but expect that it will not fully protect you from a direct hit. At a minimum, use a single point ground EXTERIOR TO THE HOUSE, and DISCONNECT YOUR ANTENNA SYSTEM (and preferably connect it to you ground when not in use).

This is not "fool's" advice, merely a dose of reality...to me, a fool is anyone who spends $10,000 on a rig in the first place. That being said, anyone who does spend that on a rig should be able to afford a decent station grounding system.

Brian AC7NA

_____
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[Non-text portions of this message have been removed]

3757. Re: slinky dipole.

Yahoo group: ham-antennas (2008)
Date: 2008-01-18 20:04:17 UTC
From: gadzooks.mike
Topic: 3725 Message: 3757

You guys are going to make me work here. Now I have to climb up into the attic and see what mine is made of - brass or steel. (Curious? Me? Yup!)

I bought them at Cracker Barrel and strung them in the attic as a dipole. As a listening antenna, it works great. Haven't tried to transmit using it, but wouldn't be surprised if it works just fine.

Good luck!

--- In ham-antennas@yahoogroups.com, "Harold Burton" <kd5sak@...> wrote:
>
> I have no doubt that brass is better material, but don't think you could
> probably hear any difference on the other end. If your slinkies are exposed
> to the weather, on the other hand, you'd need to paint the steel slinkies to
> avoid rust. The brass might tarnish dark, but probably not actually corrode.
> I'm playing best guess here, since I'm not a metallurgist.
>
> Harold
> KD5SAK
>
> ----- Original Message -----
> From: "pcooke2002" <Pcooke2002@...>
> To: <ham-antennas@yahoogroups.com>
> Sent: Wednesday, January 16, 2008 5:19 PM
> Subject: [ham-antennas] slinky dipole.
>
>
> >I was thinking of building a slinky dipole for fun.
> >
> > Anybody know how the brass slinky performs compared to the cheap metal
> > slinky? (googling did not find any results)
> >
> >
> > Just curious. I figure someone had to have made the comparason
> > somewhere.
> >
> > Peter
> > KG6OUE
> >

> >
> >
> > HAM ANTENNAS Anything and everything, tell us or ask questions.
Replies go
> > to ALL 974 members (as of 11/07/07, and attachments are NOT
permitted.
> > Post message: ham-antennas@yahoogroups.com
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> > List owner: ham-antennas-owner@yahoogroups.com
> >
> > Yahoo! Groups Links
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> >
>

3758. Re: Grounding

Yahoo group: ham-antennas (2008)
Date: 2008-01-18 20:56:22 UTC
From: Jim
Topic: 3726 Message: 3758

Your reality is not necessarily "THE" reality.

If you had done any reading, you would know that there are many installations where people watch direct hits regularly, with absolutely ZERO damage - it's juat another part of the day. This is not as difficult to achieve as one (you) might think, given enough time to educate yourself.

As for the $10,000, it's all relative. Your salary might reduce that limit considerably. Mine allows it quite comfortably. I'm not sorry about that. Some folks get their kicks with expensive cars. Others, like me, expensive radios. Still others don't put much value in the finer things, so, to each his own.

This conversation is not about what I decide to spend on my equipment. My decision to tell you was not to solicit negative feedback from you about it, whether it's jealousy or otherwise. I am merely tring to construct the safest possible station that I can and if you would rather sit there and turn my words against me, I'm all ears. If, on the other hand, you have more positive reinforcement to contribute, instead of the mild negativity I sense, I'm all ears.

I will have my expensive rig longer than you will have negative comments about it.

Later, dude.

--- In ham-antennas@yahoogroups.com, Brian Hall <bnhall_2000@...>
wrote:
>
> My point was eloquently illustrated...A previous poster described in detail how a commercial tower site is ground and it is clearly unreasonably expensive for all but a very small minority of hams.
>
> Another poster described the damage a lightning strike can cause (would be interested to know if his shack was disconnected).
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> A high quality ground is designed to prevent a strike (like a lightning rod does), but dissipate energy in the event one occurs anyway.
>
> My point was simply this: Install as good a ground system as you can afford using good engineering practices...but expect that it will not fully protect you from a direct hit. At a minimum, use a single point ground EXTERIOR TO THE HOUSE, and DISCONNECT YOUR ANTENNA SYSTEM (and preferably connect it to you ground when not in use).

>
> This is not "fool's" advice, merely a dose of reality...to me, a fool is anyone who spends $10,000 on a rig in the first place. That being said, anyone who does spend that on a rig should be able to afford a decent station grounding system.
>
> Brian AC7NA
>
>
>

> Never miss a thing. Make Yahoo your home page.
> http://www.yahoo.com/r/hs
>
> [Non-text portions of this message have been removed]
>

3759. Re: Grounding

Yahoo group: ham-antennas (2008)
Date: 2008-01-18 21:04:01 UTC
From: Jim
Topic: 3726 Message: 3759

By the way, if your ground system is designed properly, not only can you leave your equipment connected, but it's probably safer to do so. I 've been reading the most up-to-date publications and they all say that one of the worst things to do is disconnect the antenna system - it's actually more dangerous to do so.

--- In ham-antennas@yahoogroups.com, "Jim" <jimemack2000@...> wrote:
>
> Your reality is not necessarily "THE" reality.
>
> If you had done any reading, you would know that there are many
> installations where people watch direct hits regularly, with
> absolutely ZERO damage - it's juat another part of the day. This
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> not as difficult to achieve as one (you) might think, given enough
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> about that. Some folks get their kicks with expensive cars.
Others,
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and
> if you would rather sit there and turn my words against me, I'm all
> ears. If, on the other hand, you have more positive reinforcement
to
> contribute, instead of the mild negativity I sense, I'm all ears.
>
> I will have my expensive rig longer than you will have negative
> comments about it.
>
> Later, dude.
>
> --- In ham-antennas@yahoogroups.com, Brian Hall <bnhall_2000@>
> wrote:

> >
> > My point was eloquently illustrated...A previous poster described
> in detail how a commercial tower site is ground and it is clearly
> unreasonably expensive for all but a very small minority of hams.
> >
> > Another poster described the damage a lightning strike can cause
> (would be interested to know if his shack was disconnected).
> >
> > A high quality ground is designed to prevent a strike (like a
> lightning rod does), but dissipate energy in the event one occurs
> anyway.
> >
> > My point was simply this: Install as good a ground system as you
> can afford using good engineering practices...but expect that it
will
> not fully protect you from a direct hit. At a minimum, use a
single
> point ground EXTERIOR TO THE HOUSE, and DISCONNECT YOUR ANTENNA
> SYSTEM (and preferably connect it to you ground when not in use).
> >
> > This is not "fool's" advice, merely a dose of reality...to me, a
> fool is anyone who spends $10,000 on a rig in the first place.
That
> being said, anyone who does spend that on a rig should be able to
> afford a decent station grounding system.
> >
> > Brian AC7NA
> >
> >
> >
>

> _____
> > Never miss a thing. Make Yahoo your home page.
> > http://www.yahoo.com/r/hs
> >
> > [Non-text portions of this message have been removed]
> >
>

3760. Re: [ham-antennas] Re: Grounding

Yahoo group: ham-antennas (2008)
Date: 2008-01-18 21:57:37 UTC
From: Dale M
Topic: 3726 Message: 3760

Jim
would you mind sharing some of this grounding information or where you have found it?
K8nke Dale
----- Original Message -----
From: Jim
To: ham-antennas@yahoogroups.com
Sent: Friday, January 18, 2008 9:04 PM
Subject: [ham-antennas] Re: Grounding

By the way, if your ground system is designed properly, not only can
you leave your equipment connected, but it's probably safer to do
so. I 've been reading the most up-to-date publications and they all
say that one of the worst things to do is disconnect the antenna
system - it's actually more dangerous to do so.

--- In ham-antennas@yahoogroups.com, "Jim" <jimemack2000@...> wrote:
>
> Your reality is not necessarily "THE" reality.
>
> If you had done any reading, you would know that there are many
> installations where people watch direct hits regularly, with
> absolutely ZERO damage - it's juat another part of the day. This
is
> not as difficult to achieve as one (you) might think, given enough
> time to educate yourself.
>
> As for the $10,000, it's all relative. Your salary might reduce
that
> limit considerably. Mine allows it quite comfortably. I'm not
sorry
> about that. Some folks get their kicks with expensive cars.
Others,
> like me, expensive radios. Still others don't put much value in
the
> finer things, so, to each his own.
>
> This conversation is not about what I decide to spend on my
> equipment. My decision to tell you was not to solicit negative
> feedback from you about it, whether it's jealousy or otherwise. I
am
> merely tring to construct the safest possible station that I can
and
> if you would rather sit there and turn my words against me, I'm all
> ears. If, on the other hand, you have more positive reinforcement
to

> contribute, instead of the mild negativity I sense, I'm all ears.
>
> I will have my expensive rig longer than you will have negative
> comments about it.
>
> Later, dude.
>
> --- In ham-antennas@yahoogroups.com, Brian Hall <bnhall_2000@>
> wrote:
> >
> > My point was eloquently illustrated...A previous poster described
> in detail how a commercial tower site is ground and it is clearly
> unreasonably expensive for all but a very small minority of hams.
> >
> > Another poster described the damage a lightning strike can cause
> (would be interested to know if his shack was disconnected).
> >
> > A high quality ground is designed to prevent a strike (like a
> lightning rod does), but dissipate energy in the event one occurs
> anyway.
> >
> > My point was simply this: Install as good a ground system as you
> can afford using good engineering practices...but expect that it
will
> not fully protect you from a direct hit. At a minimum, use a
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> point ground EXTERIOR TO THE HOUSE, and DISCONNECT YOUR ANTENNA
> SYSTEM (and preferably connect it to you ground when not in use).
> >
> > This is not "fool's" advice, merely a dose of reality...to me, a
> fool is anyone who spends $10,000 on a rig in the first place.
That
> being said, anyone who does spend that on a rig should be able to
> afford a decent station grounding system.
> >
> > Brian AC7NA
> >
> >
> >
>

> _____
> > Never miss a thing. Make Yahoo your home page.
> > http://www.yahoo.com/r/hs
> >
> > [Non-text portions of this message have been removed]
> >
>

No virus found in this incoming message.
Checked by AVG Free Edition.
Version: 7.5.516 / Virus Database: 269.19.6/1230 - Release Date: 1/17/2008 4:59 PM

[Non-text portions of this message have been removed]

3761. Re: Grounding

Yahoo group: ham-antennas (2008)
Date: 2008-01-18 23:10:25 UTC
From: Jim
Topic: 3726 Message: 3761

To Name a few...

Arrl - Qst Magazine - Lightning Protection
Arrl - Qst Magazine - Lightning Protection For The Station
IEC 305 Prtection Against Lightning
IEC 61312-4 (TR2) Protection of Equipment Against Lightning in existing structures
IEC 62305-4 06 - Protection Against Lightning - Electrical & Electronic Systems Within Structures
Lightning Protection & Grounding Solutions for Communication Sites
Lightning Protection Guide (European Standards)
Protecting Broadcast Facilities From Lightning
The Grounds For Lightning And EMP Protection

http://members.cox.net/pc-usa/station/ground0.htm
http://www.eham.net/articles/17168

Jim

--- In ham-antennas@yahoogroups.com, "Dale M" <dmess4391@...> wrote:
>
> Jim
> would you mind sharing some of this grounding information or where you have found it?
> K8nke Dale
> ----- Original Message -----
> From: Jim
> To: ham-antennas@yahoogroups.com
> Sent: Friday, January 18, 2008 9:04 PM
> Subject: [ham-antennas] Re: Grounding
>
>
> By the way, if your ground system is designed properly, not only can
> you leave your equipment connected, but it's probably safer to do
> so. I 've been reading the most up-to-date publications and they all
> say that one of the worst things to do is disconnect the antenna
> system - it's actually more dangerous to do so.
>
> --- In ham-antennas@yahoogroups.com, "Jim" <jimemack2000@> wrote:
> >
> > Your reality is not necessarily "THE" reality.
> >
> > If you had done any reading, you would know that there are many
> > installations where people watch direct hits regularly, with

> > absolutely ZERO damage - it's juat another part of the day.
This
> is
> > not as difficult to achieve as one (you) might think, given
enough
> > time to educate yourself.
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> > As for the $10,000, it's all relative. Your salary might reduce
> that
> > limit considerably. Mine allows it quite comfortably. I'm not
> sorry
> > about that. Some folks get their kicks with expensive cars.
> Others,
> > like me, expensive radios. Still others don't put much value in
> the
> > finer things, so, to each his own.
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> > This conversation is not about what I decide to spend on my
> > equipment. My decision to tell you was not to solicit negative
> > feedback from you about it, whether it's jealousy or otherwise.
I
> am
> > merely tring to construct the safest possible station that I
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> and
> > if you would rather sit there and turn my words against me, I'm
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> > ears. If, on the other hand, you have more positive
reinforcement
> to
> > contribute, instead of the mild negativity I sense, I'm all
ears.
> >
> > I will have my expensive rig longer than you will have negative
> > comments about it.
> >
> > Later, dude.
> >
> > --- In ham-antennas@yahoogroups.com, Brian Hall <bnhall_2000@>
> > wrote:
> > >
> > > My point was eloquently illustrated...A previous poster
described
> > in detail how a commercial tower site is ground and it is
clearly
> > unreasonably expensive for all but a very small minority of
hams.
> > >
> > > Another poster described the damage a lightning strike can
cause

> > (would be interested to know if his shack was disconnected).
> > >
> > > A high quality ground is designed to prevent a strike (like a
> > lightning rod does), but dissipate energy in the event one
occurs
> > anyway.
> > >
> > > My point was simply this: Install as good a ground system as
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> > can afford using good engineering practices...but expect that
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> > not fully protect you from a direct hit. At a minimum, use a
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> > point ground EXTERIOR TO THE HOUSE, and DISCONNECT YOUR ANTENNA
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> > > This is not "fool's" advice, merely a dose of reality...to
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> > fool is anyone who spends $10,000 on a rig in the first place.
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> > being said, anyone who does spend that on a rig should be able
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> > afford a decent station grounding system.
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> > > Brian AC7NA
> > >
> > >
> > >
> >
> _____
> > _____
> > > Never miss a thing. Make Yahoo your home page.
> > > http://www.yahoo.com/r/hs
> > >
> > > [Non-text portions of this message have been removed]
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> ---

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>
> No virus found in this incoming message.

> Checked by AVG Free Edition.
> Version: 7.5.516 / Virus Database: 269.19.6/1230 - Release Date: 1/17/2008 4:59 PM
>
>
> [Non-text portions of this message have been removed]
>

3762. Re: Grounding

Yahoo group: ham-antennas (2008)
Date: 2008-01-18 23:13:06 UTC
From: Jim
Topic: 3726 Message: 3762

Oh, I almost forgot:

2005 Nec Handbook(National Electrical Code, NFPA 70)

Jim

--- In ham-antennas@yahoogroups.com, "Jim" <jimemack2000@...> wrote:
>
> To Name a few...
>
> Arrl - Qst Magazine - Lightning Protection
> Arrl - Qst Magazine - Lightning Protection For The Station
> IEC 305 Prtection Against Lightning
> IEC 61312-4 (TR2) Protection of Equipment Against Lightning in
> existing structures
> IEC 62305-4 06 - Protection Against Lightning - Electrical &
> Electronic Systems Within Structures
> Lightning Protection & Grounding Solutions for Communication Sites
> Lightning Protection Guide (European Standards)
> Protecting Broadcast Facilities From Lightning
> The Grounds For Lightning And EMP Protection
>
> http://members.cox.net/pc-usa/station/ground0.htm
> http://www.eham.net/articles/17168
>
> Jim
>
> --- In ham-antennas@yahoogroups.com, "Dale M" <dmess4391@> wrote:
> >
> > Jim
> > would you mind sharing some of this grounding information or
where
> you have found it?
> > K8nke Dale
> > ----- Original Message -----
> > From: Jim
> > To: ham-antennas@yahoogroups.com
> > Sent: Friday, January 18, 2008 9:04 PM
> > Subject: [ham-antennas] Re: Grounding
> >
> >
> > By the way, if your ground system is designed properly, not
only
> can
> > you leave your equipment connected, but it's probably safer to
do

> > so. I 've been reading the most up-to-date publications and
they
> all
> > say that one of the worst things to do is disconnect the
antenna
> > system - it's actually more dangerous to do so.
> >
> > --- In ham-antennas@yahoogroups.com, "Jim" <jimemack2000@>
wrote:
> > >
> > > Your reality is not necessarily "THE" reality.
> > >
> > > If you had done any reading, you would know that there are
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> > > installations where people watch direct hits regularly, with
> > > absolutely ZERO damage - it's juat another part of the day.
> This
> > is
> > > not as difficult to achieve as one (you) might think, given
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> > > time to educate yourself.
> > >
> > > As for the $10,000, it's all relative. Your salary might
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> > that
> > > limit considerably. Mine allows it quite comfortably. I'm not
> > sorry
> > > about that. Some folks get their kicks with expensive cars.
> > Others,
> > > like me, expensive radios. Still others don't put much value
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> > the
> > > finer things, so, to each his own.
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> I
> > am
> > > merely tring to construct the safest possible station that I
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> > and
> > > if you would rather sit there and turn my words against me,
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> all
> > > ears. If, on the other hand, you have more positive
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> > to

> > > contribute, instead of the mild negativity I sense, I'm all
> ears.
> > >
> > > I will have my expensive rig longer than you will have
negative
> > > comments about it.
> > >
> > > Later, dude.
> > >
> > > --- In ham-antennas@yahoogroups.com, Brian Hall
<bnhall_2000@>
> > > wrote:
> > > >
> > > > My point was eloquently illustrated...A previous poster
> described
> > > in detail how a commercial tower site is ground and it is
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> > > unreasonably expensive for all but a very small minority of
> hams.
> > > >
> > > > Another poster described the damage a lightning strike can
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> > > (would be interested to know if his shack was disconnected).
> > > >
> > > > A high quality ground is designed to prevent a strike (like
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> > > lightning rod does), but dissipate energy in the event one
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> > > anyway.
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> > > > My point was simply this: Install as good a ground system
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> > > can afford using good engineering practices...but expect that
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> > > not fully protect you from a direct hit. At a minimum, use a
> > single
> > > point ground EXTERIOR TO THE HOUSE, and DISCONNECT YOUR
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> > > SYSTEM (and preferably connect it to you ground when not in
> use).
> > > >
> > > > This is not "fool's" advice, merely a dose of reality...to
> me, a
> > > fool is anyone who spends $10,000 on a rig in the first
place.
> > That
> > > being said, anyone who does spend that on a rig should be
able

> to
> > > afford a decent station grounding system.
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> > > > Brian AC7NA
> > > >
> > > >
> > > >
> > >
> > _____
> > > _____
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> > > > [Non-text portions of this message have been removed]
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> ----------
> >
> >
> > No virus found in this incoming message.
> > Checked by AVG Free Edition.
> > Version: 7.5.516 / Virus Database: 269.19.6/1230 - Release
Date:
> 1/17/2008 4:59 PM
> >
> >
> > [Non-text portions of this message have been removed]
> >
>

3763. Re: [ham-antennas] Re: Grounding

Yahoo group: ham-antennas (2008)
Date: 2008-01-19 01:41:23 UTC
From: QRP_1@juno.com
Topic: 3726 Message: 3763

I will have my expensive rig longer than you will have negative
comments about it. [snip]

Jim,
First let me apologize for making the statement that "only a fool
would spend $10,000 on a radio" as I did not intend it to be an insult in
any way - sorry OM. What I was basically saying was that even if I could
afford a rig at that price, I would not spend that much for one - same
with cars because I'm more of a utilitarian type of person and not into
fancy things. I'm very glad to hear that some folks can afford them
compfortably, its just the ones that can't and still do and put their
families in a financial bind that bothers me. And I agree that cost is
relative to ones income level. I'm not wealthy by a long shot and not
poor either, but I've always been easy to satisfy with the simple things
in life - small simple radios, hombrew simple wire antennas, economy
cars, whatever as long asthey do well for me and I'm happy as can be with
them. My main rig here is a Yaesu FT-840 - a very simple rig and I do
not use all the features it has ! I also have an Icom 706MkII, an Icom
703, two Yaesu FT-747GX's, a Yaesu FT-7, and several monoband QRP rigs,
so as you can see, quanity is more important to me than quality - my xyl
says I have too many, and I keep telling her that the only thing a man
can have too much of is women ! ;^) But any, I hope you'll forgive me
for that foolish statement of mine - after I read it, it looked insulting
to me too !

Rick McKee, KC8AON, Ohio - www.angelfire.com/electronic2/qrp
Monthly QRP Field Day Group - http://groups.yahoo.com/group/MQFD/
With God all things are possible <><

3764. Re: Grounding

Yahoo group: ham-antennas (2008)
Date: 2008-01-19 01:54:03 UTC
From: Jim
Topic: 3726 Message: 3764

Not a problem, I understand.

Jim

--- In ham-antennas@yahoogroups.com, QRP_1@... wrote:
>
> I will have my expensive rig longer than you will have negative
> comments about it. [snip]
>
> Jim,
> First let me apologize for making the statement that "only a fool
> would spend $10,000 on a radio" as I did not intend it to be an
insult in
> any way - sorry OM. What I was basically saying was that even if I
could
> afford a rig at that price, I would not spend that much for one -
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> with cars because I'm more of a utilitarian type of person and not
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> fancy things. I'm very glad to hear that some folks can afford them
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> families in a financial bind that bothers me. And I agree that
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> relative to ones income level. I'm not wealthy by a long shot and
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> poor either, but I've always been easy to satisfy with the simple
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> in life - small simple radios, hombrew simple wire antennas, economy
> cars, whatever as long asthey do well for me and I'm happy as can
be with
> them. My main rig here is a Yaesu FT-840 - a very simple rig and I
do
> not use all the features it has ! I also have an Icom 706MkII, an
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> 703, two Yaesu FT-747GX's, a Yaesu FT-7, and several monoband QRP
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> so as you can see, quanity is more important to me than quality -
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> Rick McKee, KC8AON, Ohio - www.angelfire.com/electronic2/qrp
> Monthly QRP Field Day Group - http://groups.yahoo.com/group/MQFD/
> With God all things are possible <><
>

3765. Re: [ham-antennas] Re: Grounding

Yahoo group: ham-antennas (2008)
Date: 2008-01-19 02:25:47 UTC
From: Bill
Topic: 3726 Message: 3765

Sorry But I don't Buy it...Nor do I believe it...The best way to assure lightning protection Is to unhook everything. antennas, power supply, rotar cables, ect, ect.... I once had a computer that was unplugged from the power and the modem connection also unplugged and the computer was off....A lightning strike just outside the room were the computer was at, totally unhooked from everything and off. Well When I hooked it all back up after the storm and turned it on...Well the Video card was toasted....The lightning strike and high static discharge that came with it fried the video card....I now have things located so they are not near and outside wall. They are only near inside walls...Will it make a difference...I don't know but I luckily have never had that problem again...So far.....The same goes with the radio equipment. Even if its all unhooked there is still the possibility from a near strike that you equipment could be damaged....If I had a $ 10,000 radio (Thats
never gonna happen to me, But I am glad for you) I would unhook it and put it in the closet or a lead box whenever lightning was near....I would rather be over protective than risk losing my rig ... I just don't have the money to replace the equipment. No matter a $100.00 radio or a $ 10,000 radio....Better safe than sorry....I can't even imagin have'in your kind of money. I always wondered what it would be like to not have any money problems... Man that would be sweet....
Well at least I have my Common sense. To each his own I always say....
If you have any other money you would like to throw away let me know, I could sure use it...Second thought, You better keep it because you are gonna need it if you keep your Equipment hooked up and have a Near lightning strike...I hope you have some fire extinguisher's handy....Good Luck to you...I hope that you will not be operating your rig with a metal mike during a lightning storm.....
Some things you just can't buy with money I reckon....You ever heard of Ben Franklin.....Hmmmmm

All donations may be sent to " Bill In Ohio ".....73's and once again because I think that your gonna need it....GOOD LUCK.....You've Been Warned.....

First time I saw one of those $10,000 radios advertised I thought to myself, Who in the heck can afford something like that ...Now I know....I guess we do learn something every day....Thanks.....

Jim <jimemack2000@...> wrote: By the way, if your ground system is designed properly, not only can
you leave your equipment connected, but it's probably safer to do
so. I 've been reading the most up-to-date publications and they all
say that one of the worst things to do is disconnect the antenna
system - it's actually more dangerous to do so.

--- In ham-antennas@yahoogroups.com, "Jim" <jimemack2000@...> wrote:
>
> Your reality is not necessarily "THE" reality.
>
> If you had done any reading, you would know that there are many

> installations where people watch direct hits regularly, with
> absolutely ZERO damage - it's juat another part of the day. This
is
> not as difficult to achieve as one (you) might think, given enough
> time to educate yourself.
>
> As for the $10,000, it's all relative. Your salary might reduce
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> limit considerably. Mine allows it quite comfortably. I'm not
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> about that. Some folks get their kicks with expensive cars.
Others,
> like me, expensive radios. Still others don't put much value in
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> finer things, so, to each his own.
>
> This conversation is not about what I decide to spend on my
> equipment. My decision to tell you was not to solicit negative
> feedback from you about it, whether it's jealousy or otherwise. I
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> merely tring to construct the safest possible station that I can
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> if you would rather sit there and turn my words against me, I'm all
> ears. If, on the other hand, you have more positive reinforcement
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> contribute, instead of the mild negativity I sense, I'm all ears.
>
> I will have my expensive rig longer than you will have negative
> comments about it.
>
> Later, dude.
>
> --- In ham-antennas@yahoogroups.com, Brian Hall <bnhall_2000@>
> wrote:
> >
> > My point was eloquently illustrated...A previous poster described
> in detail how a commercial tower site is ground and it is clearly
> unreasonably expensive for all but a very small minority of hams.
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> > Another poster described the damage a lightning strike can cause
> (would be interested to know if his shack was disconnected).
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> > A high quality ground is designed to prevent a strike (like a
> lightning rod does), but dissipate energy in the event one occurs
> anyway.
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> > My point was simply this: Install as good a ground system as you
> can afford using good engineering practices...but expect that it
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> not fully protect you from a direct hit. At a minimum, use a

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> point ground EXTERIOR TO THE HOUSE, and DISCONNECT YOUR ANTENNA
> SYSTEM (and preferably connect it to you ground when not in use).
> >
> > This is not "fool's" advice, merely a dose of reality...to me, a
> fool is anyone who spends $10,000 on a rig in the first place.
That
> being said, anyone who does spend that on a rig should be able to
> afford a decent station grounding system.
> >
> > Brian AC7NA
> >
> >
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>

> _____
> > Never miss a thing. Make Yahoo your home page.
> > http://www.yahoo.com/r/hs
> >
> > [Non-text portions of this message have been removed]
> >
>

[Non-text portions of this message have been removed]

3766. Re: Grounding

Yahoo group: ham-antennas (2008)
Date: 2008-01-19 04:33:02 UTC
From: Jim
Topic: 3726 Message: 3766

Dude, you need a lot of training.

Lightning isn't the evil you think it is. It's only the opponent you have'nt defeated.

Let me ask you one question...when was the last time you heard a radio station announcer say "I'm sorry, ladies and gentlemen, but we must get off the air immediately and disconnect all of our antenna systems until this thunderstorm passes. By the way, we are also forced to turn off everything at the station, including the computer equipment, lights and the servalence cameras...our sincere apologies for any inconvenience this may cause."?

Jim

--- In ham-antennas@yahoogroups.com, Bill <daytonohio@...> wrote:
>
> Sorry But I don't Buy it...Nor do I believe it...The best way to assure lightning protection Is to unhook everything. antennas, power supply, rotar cables, ect, ect.... I once had a computer that was unplugged from the power and the modem connection also unplugged and the computer was off....A lightning strike just outside the room were the computer was at, totally unhooked from everything and off. Well When I hooked it all back up after the storm and turned it on...Well the Video card was toasted....The lightning strike and high static discharge that came with it fried the video card....I now have things located so they are not near and outside wall. They are only near inside walls...Will it make a difference...I don't know but I luckily have never had that problem again...So far.....The same goes with the radio equipment. Even if its all unhooked there is still the possibility from a near strike that you equipment could be damaged....If I had a $ 10,000 radio (Thats
> never gonna happen to me, But I am glad for you) I would unhook it and put it in the closet or a lead box whenever lightning was near....I would rather be over protective than risk losing my rig ... I just don't have the money to replace the equipment. No matter a $100.00 radio or a $ 10,000 radio....Better safe than sorry....I can't even imagin have'in your kind of money. I always wondered what it would be like to not have any money problems... Man that would be sweet....
> Well at least I have my Common sense. To each his own I always say....
> If you have any other money you would like to throw away let me know, I could sure use it...Second thought, You better keep it because you are gonna need it if you keep your Equipment hooked up and have a Near lightning strike...I hope you have some fire

extinguisher's handy....Good Luck to you...I hope that you will not
be operating your rig with a metal mike during a lightning storm.....
> Some things you just can't buy with money I reckon....You ever
heard of Ben Franklin.....Hmmmmm
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> All donations may be sent to " Bill In Ohio ".....73's
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> First time I saw one of those $10,000 radios advertised I thought
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3767. Re: Grounding

Yahoo group: ham-antennas (2008)
Date: 2008-01-19 04:44:42 UTC
From: Jim
Topic: 3726 Message: 3767

By the way, Although $10,000 is not the burden it used to be in my life, it is still a lot of money to me. And, if I had an extra $10,000, you would probably be the first person I would buy the radio for...

...but you would have to replace the video card yourself.

Jim

--- In ham-antennas@yahoogroups.com, "Jim" <jimemack2000@...> wrote:
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> Dude, you need a lot of training.
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> Lightning isn't the evil you think it is. It's only the opponent you
> have'nt defeated.
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> Let me ask you one question...when was the last time you heard a
> radio station announcer say "I'm sorry, ladies and gentlemen, but we
> must get off the air immediately and disconnect all of our antenna
> systems until this thunderstorm passes. By the way, we are also
> forced to turn off everything at the station, including the computer
> equipment, lights and the servalence cameras...our sincere apologies
> for any inconvenience this may cause."?
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> --- In ham-antennas@yahoogroups.com, Bill <daytonohio@> wrote:
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> > Sorry But I don't Buy it...Nor do I believe it...The best way to
> assure lightning protection Is to unhook everything. antennas, power
> supply, rotar cables, ect, ect.... I once had a computer that was
> unplugged from the power and the modem connection also unplugged and
> the computer was off....A lightning strike just outside the room were
> the computer was at, totally unhooked from everything and off. Well
> When I hooked it all back up after the storm and turned it on...Well
> the Video card was toasted....The lightning strike and high static
> discharge that came with it fried the video card....I now have things

> located so they are not near and outside wall. They are only near
> inside walls...Will it make a difference...I don't know but I
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> radio equipment. Even if its all unhooked there is still the
> possibility from a near strike that you equipment could be
> damaged....If I had a $ 10,000 radio (Thats
> > never gonna happen to me, But I am glad for you) I would unhook
> it and put it in the closet or a lead box whenever lightning was
> near....I would rather be over protective than risk losing my
rig ...
> I just don't have the money to replace the equipment. No matter a
> $100.00 radio or a $ 10,000 radio....Better safe than sorry....I
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> it would be like to not have any money problems... Man that would
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> > Well at least I have my Common sense. To each his own I always
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> because you are gonna need it if you keep your Equipment hooked up
> and have a Near lightning strike...I hope you have some fire
> extinguisher's handy....Good Luck to you...I hope that you will not
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> LUCK.....You've Been Warned.....
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>

3768. Re: Grounding

Yahoo group: ham-antennas (2008)
Date: 2008-01-19 04:47:34 UTC
From: Jim
Topic: 3726 Message: 3768

Ben Franlikn? I believe he is from the same city I am.

--- In ham-antennas@yahoogroups.com, "Jim" <jimemack2000@...> wrote:
>
> By the way, Although $10,000 is not the burden it used to be in my
> life, it is still a lot of money to me. And, if I had an extra
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3769. antenna corrosion

Yahoo group: ham-antennas (2008)
Date: 2008-01-19 05:10:20 UTC
From: Dave
Topic: 3769 Message: 3769

I have been given a couple of older 20 meter antennas,(HyGain 204BA), that are pretty well gunked up withn corrosion, especially the element to boom clamps. Normal stuff for their age, but, I'd like to clean them up before I reassemble them.

Anyone have any ideas, other than good ol' fasioned elbow grease, on how I could clean these things? I have seen some stuff on television called "BAM" that lokes like it might be the answer, but I don't want to destroy the clamps in the process either. And then once cleaned any ideas on how to keep the corossion away (within reason I mean). I've heard that spraying Krylon at least retards oxidation of the aluminum.

Thanks in advance for your help and advice.

Dave, W8QW

_____
PeoplePC Online
A better way to Internet
http://www.peoplepc.com

3770. Re: [ham-antennas] Re: Grounding

Yahoo group: ham-antennas (2008)
Date: 2008-01-19 06:27:36 UTC
From: Bill
Topic: 3726 Message: 3770

As stated before on this thread I believe...Most Amateur Radio operators Don't have that kinda of money (Resources) to spend like the Big Business folks.....And even when The big busuness folks spend all that money it is still no guarantee...I never said lightning was Evil....But it is one of the most powerful forces of nature, Is it not....

I'd love to build a large capacitor and be able to store the energy of that lightning....The power companies would not want to see something like that though, would they....

Oh and one other Fact
you said
" Let me ask you one question...when was the last time you heard a radio station announcer say "I'm sorry, ladies and gentlemen, but we must get off the air immediately and disconnect all of our antenna systems until this thunderstorm passes. By the way, we are also forced to turn off everything at the station, including the computer equipment, lights and the servalence cameras...our sincere apologies for any inconvenience this may cause."? "

Funny you should say that. as a matter of Fact one of our local TV stations here in Dayton, Ohio (WHIO TV) has been Blasted off the air several times over the years. This just happened not too long ago. And yes it does take them some time to get back on the air. Feel free to verify my story. WHIO TV has a very large tower and it gets hit all the time...No they don't go off the air on every lightning hit but enough to cut into their profits with the repair costs.....Which us regular folks just can't afford. So it easier and cheaper and smarter to just unhook everything....Of course the Big Business TV station and radio stations cannot go off the air and unhook everything when lightning is approaching...Thats just Silly that you even said that...A lightning strike on them is just the Cost of business and providing a service...Come on now.....Channel 45 or fox 45 has also been knocked off the air by lightning quite a few times also, as have the police and fire systems
and other systems of this type. I once dispatched for a company years ago and lightning took out our repeater once also...Its their cost for doing business...For you to say that no broadcast systems are ever knocked off the air by lightning is just plain uneducated about the matter.....
Once again...Good luck....

Bill In Ohio

Jim <jimemack2000@...> wrote: Dude, you need a lot of training.

Lightning isn't the evil you think it is. It's only the opponent you have'nt defeated.

Let me ask you one question...when was the last time you heard a radio station announcer say "I'm sorry, ladies and gentlemen, but we must get off the air immediately and disconnect all of our antenna

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3771. Re: [ham-antennas] Re: Grounding

Yahoo group: ham-antennas (2008)
Date: 2008-01-19 06:39:59 UTC
From: Bill
Topic: 3726 Message: 3771

Thanks Jim,
I just believe that unhooking things is the best way to protect yourself...Why take the chance....Yea it can be a pain. But its a pain that usually doesn't cost me anything....And thats a good thing....I'm one of those guys that bad luck is always around...I gotta watch my @ss.....LOL
73's
Bill In Ohio....kc8ilp

Oh and my main HF Antenna is a 229 foot End fed radom long wire raped all around the place here, highest point abt 70 feet of so... When I hear lightning in the forecast you can bet your....You know what, that I am gonna be unhooking it and throwing the wire out in the yard....Talk about a lightning rod...Boy....LOL

Jim <jimemack2000@...> wrote: By the way, Although $10,000 is not the burden it used to be in my
life, it is still a lot of money to me. And, if I had an extra
$10,000, you would probably be the first person I would buy the radio
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...but you would have to replace the video card yourself.

Jim

--- In ham-antennas@yahoogroups.com, "Jim" <jimemack2000@...> wrote:
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> Dude, you need a lot of training.
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> Lightning isn't the evil you think it is. It's only the opponent
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> Let me ask you one question...when was the last time you heard a
> radio station announcer say "I'm sorry, ladies and gentlemen, but
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> must get off the air immediately and disconnect all of our antenna
> systems until this thunderstorm passes. By the way, we are also
> forced to turn off everything at the station, including the
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> equipment, lights and the servalence cameras...our sincere
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> for any inconvenience this may cause."?
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> the Video card was toasted....The lightning strike and high static
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> inside walls...Will it make a difference...I don't know but I
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> > never gonna happen to me, But I am glad for you) I would unhook
> it and put it in the closet or a lead box whenever lightning was
> near....I would rather be over protective than risk losing my
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> I just don't have the money to replace the equipment. No matter a
> $100.00 radio or a $ 10,000 radio....Better safe than sorry....I
> can't even imagin have'in your kind of money. I always wondered
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> it would be like to not have any money problems... Man that would
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> sweet....
> > Well at least I have my Common sense. To each his own I always
> say....
> > If you have any other money you would like to throw away let me
> know, I could sure use it...Second thought, You better keep it
> because you are gonna need it if you keep your Equipment hooked up
> and have a Near lightning strike...I hope you have some fire
> extinguisher's handy....Good Luck to you...I hope that you will not
> be operating your rig with a metal mike during a lightning
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> heard of Ben Franklin.....Hmmmmm
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> > All donations may be sent to " Bill In
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> and once again because I think that your gonna need it....GOOD
> LUCK.....You've Been Warned.....
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3772. Re: [ham-antennas]OFF TOPIC Re: Grounding

Yahoo group: ham-antennas (2008)
Date: 2008-01-19 06:58:24 UTC
From: Bill
Topic: 3726 Message: 3772

Hey...I've been thinking (UT O) I've had my eye on a sweet Software defined radio, Computer included.
You get me that and you will save a few bucks and then I could replace the Video Card.....Hi Hi.....
Heck, just get it without the video card and I will just add it myself.....

Bill In Ohio
Holding my breath and waiting....

I'm so Happy I gotta sit on my hands just to keep myself from waving at everybody.....Thanks JIM.....

Be careful and good luck

Jim <jimemack2000@...> wrote: By the way, Although $10,000 is not the burden it used to be in my
life, it is still a lot of money to me. And, if I had an extra
$10,000, you would probably be the first person I would buy the radio
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Jim

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3773. Re: [ham-antennas] Re: Grounding

Yahoo group: ham-antennas (2008)
Date: 2008-01-19 12:33:57 UTC
From: QRP_1@juno.com
Topic: 3726 Message: 3773

By the way, Although $10,000 is not the burden it used to be in my life, it is still a lot of money to me. And, if I had an extra $10,000, you would probably be the first person I would buy the radio for... [snip]

Hey, I'll go easy on you - I'll be satisfied with a brand new Yaesu FT-897D - less than a 1000 bucks ! [smile]

Rick McKee, KC8AON, Ohio - www.angelfire.com/electronic2/qrp
Monthly QRP Field Day Group - http://groups.yahoo.com/group/MQFD/
With God all things are possible <><

3774. Re: [ham-antennas] Re: Grounding

Yahoo group: ham-antennas (2008)
Date: 2008-01-19 15:06:33 UTC
From: Gene Gabry
Topic: 3726 Message: 3774

Jim makes a very good and valid point here. The reason we amateur operators have the need to disconnect our station is because it probably is not grounded properly, to the standards required to disapate the strike completely away from not only our stations, but also our home. In a properly grounded environment, there is absolutely no reason to not only not disconnect the station, but you should be able to continue operating as well. Lets face it, we are AMATEUR operators, from all walks of life, not all engineers.

Now, my next statements are not meant to to critisize anyone, but to just be as factual and honest as I can, There will be some in the amateur community that have no idea about proper grounding, and some come here for advise. We should be elmers and mentors for them and help. There will be some in the community that believe a couple of ground rods next to their instalation is a sufficient ground. Then there are those who believe that it does not matter to be grounded at all because whether I'm grounded or not, I'm going to get hit and my equipment is going to get destroyed anyway so why bother.
Even those amateurs who do every thing correct, and by the book, do encounter some damage, mostly due to a weak link in the system. One corroded connection at a critical point in the system makes the whole system vunerable. That's why some commercial systems fail as well. It just happens.
I think we all should help one another here to achieve the best and safest sysytem we can put together without all the badgering, and insults.

Station grounding is a critical antenna topic that can be better served by teaching and instruction, not badgering and insulting.

73, Gene N9TF
--- Jim <jimemack2000@...> wrote:

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>
> Lightning isn't the evil you think it is. It's only
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http://tools.search.yahoo.com/newsearch/category.php?category=shopping

3775. Re: slinky dipole.

Yahoo group: ham-antennas (2008)
Date: 2008-01-19 15:47:06 UTC
From: gadzooks.mike
Topic: 3725 Message: 3775

They're brass. This dipole is connected to my Radio Shack DX-160 and
works like a champ.

--- In ham-antennas@yahoogroups.com, "gadzooks.mike"
<gadzooks.mike@...> wrote:
>
> You guys are going to make me work here. Now I have to climb up into
> the attic and see what mine is made of - brass or steel. (Curious?
> Me? Yup!)

3776. Re: [ham-antennas] Re: Grounding

Yahoo group: ham-antennas (2008)
Date: 2008-01-19 15:59:52 UTC
From: QRP_1@juno.com
Topic: 3726 Message: 3776

Jim makes a very good and valid point here. The reason we amateur operators have the need to disconnect our station is because it probably is not grounded properly, to the standards required to disapate the strike completely away from not only our stations, but also our home. In a properly grounded environment, there is absolutely no reason to not only not disconnect the station, but you should be able to continue operating as well. [snip]

I may not have the "perfect" station ground, but I purposely put my tower out away from the house (25') away and have each leg of the tower connected to its own 8' ground rod with all 3 rods bonded together. All feedlines come down the tower to ground level where they are also (shield side) grounded then taken over to another leg of the tower for a double bend at ground level, then back up the tower to about 10' and then over to the house. My reasoning for this is because lightening will almost always take the straightest path to ground and with my tower grounded and feedlines grounded before they come to the shack, I figure any strike will be disapated before it gets to the shack. Do I think I would not suffer any damage in the event of a direct hit - NO ! And I do not choose to operate during a storm just because I don't like being in contact with the equipment during a storm and the bands are so noisy during a storm anyway, I just do something else until its over. I would rather be safe than operate no matter how good the station is grounded. But I do feel that having a good ground will help eliminate strikes since it keeps charges from building up that triggers a strike. I also believe that strikes are much more likely to come in on either the phone or power lines simply because there are much more conducting material around to be struck in the first place.

Lets all keep it safe !
Rick McKee, KC8AON, Ohio - www.angelfire.com/electronic2/qrp
Monthly QRP Field Day Group - http://groups.yahoo.com/group/MQFD/
With God all things are possible <><

3777. Re: [ham-antennas] Re: Grounding

Yahoo group: ham-antennas (2008)
Date: 2008-01-19 16:07:51 UTC
From: W8OKN
Topic: 3726 Message: 3777

The best grounding situations still get hit with lightening. I have witnessed it.

And... amateur radio ops can be and often are, the best engineers in the world.

Just live next to a tower.

Sean
W8OKN

[Non-text portions of this message have been removed]

3778. grounding

Yahoo group: ham-antennas (2008)
Date: 2008-01-19 16:10:28 UTC
From: QRP_1@juno.com
Topic: 3778 Message: 3778

www.sgcworld.com/Publications/Articles/lightning1.pdf

www.sgcworld.com/Publications/Articles/lightning3.pdf

The above links will give you some good info on lightning protection.

Rick McKee, KC8AON, Ohio - www.angelfire.com/electronic2/qrp
Monthly QRP Field Day Group - http://groups.yahoo.com/group/MQFD/
With God all things are possible <><

[Non-text portions of this message have been removed]

3779. National Lightning Safety Institute (NLSI) Home Page. We provide expert training, consulting, education, videos, and witness service on structural lightning safety. We also promote proactive defenses to mitigate the effects of lightning hazards.

Yahoo group: ham-antennas (2008)
Date: 2008-01-19 16:19:08 UTC
From: QRP_1@juno.com
Topic: 3779 Message: 3779

http://www.lightningsafety.com/

Some more good info

Rick McKee, KC8AON, Ohio - www.angelfire.com/electronic2/qrp
Monthly QRP Field Day Group - http://groups.yahoo.com/group/MQFD/
With God all things are possible <><

3780. NWS Lightning Safety Program, Photos, Medical, Brochures more.

Yahoo group: ham-antennas (2008)
Date: 2008-01-19 16:20:27 UTC
From: QRP_1@juno.com
Topic: 3780 Message: 3780

http://www.lightningsafety.noaa.gov/

Info from the national Weather Service

Rick McKee, KC8AON, Ohio - www.angelfire.com/electronic2/qrp
Monthly QRP Field Day Group - http://groups.yahoo.com/group/MQFD/
With God all things are possible <><

3781. Re: [ham-antennas] grounding

Yahoo group: ham-antennas (2008)
Date: 2008-01-19 16:30:26 UTC
From: W8OKN
Topic: 3778 Message: 3781

Thanks for the articles...

W8OKN

----- Original Message -----
From: QRP_1@...
To: ham-antennas@yahoogroups.com
Sent: Saturday, January 19, 2008 11:10 AM
Subject: [ham-antennas] grounding

www.sgcworld.com/Publications/Articles/lightning1.pdf

www.sgcworld.com/Publications/Articles/lightning3.pdf

The above links will give you some good info on lightning protection.

Rick McKee, KC8AON, Ohio - www.angelfire.com/electronic2/qrp
Monthly QRP Field Day Group - http://groups.yahoo.com/group/MQFD/
With God all things are possible <><

[Non-text portions of this message have been removed]

No virus found in this incoming message.
Checked by AVG Free Edition.
Version: 7.5.516 / Virus Database: 269.19.7/1232 - Release Date: 1/18/2008 7:32 PM

[Non-text portions of this message have been removed]

3782. Re: Grounding

Yahoo group: ham-antennas (2008)
Date: 2008-01-19 17:00:10 UTC
From: Jim
Topic: 3726 Message: 3782

"lightening will almost
always take the straightest path to ground"

Not correct. Lightning will take the path of LEAST resistance.

--- In ham-antennas@yahoogroups.com, QRP_1@... wrote:
>
> Jim makes a very good and valid point here. The reason
> we amateur operators have the need to disconnect our
> station is because it probably is not grounded
> properly, to the standards required to disapate the
> strike completely away from not only our stations, but
> also our home. In a properly grounded environment,
> there is absolutely no reason to not only not
> disconnect the station, but you should be able to
> continue operating as well. [snip]
>
> I may not have the "perfect" station ground, but I purposely put my
tower
> out away from the house (25') away and have each leg of the tower
> connected to its own 8' ground rod with all 3 rods bonded
together. All
> feedlines come down the tower to ground level where they are also
(shield
> side) grounded then taken over to another leg of the tower for a
double
> bend at ground level, then back up the tower to about 10' and then
over
> to the house. My reasoning for this is because lightening will
almost
> always take the straightest path to ground and with my tower
grounded and
> feedlines grounded before they come to the shack, I figure any
strike
> will be disapated before it gets to the shack. Do I think I would
not
> suffer any damage in the event of a direct hit - NO ! And I do not
> choose to operate during a storm just because I don't like being in
> contact with the equipment during a storm and the bands are so noisy
> during a storm anyway, I just do something else until its over. I
would
> rather be safe than operate no matter how good the station is
grounded.
> But I do feel that having a good ground will help eliminate strikes
since

> it keeps charges from building up that triggers a strike. I also
believe
> that strikes are much more likely to come in on either the phone or
power
> lines simply because there are much more conducting material around
to be
> struck in the first place.
>
> Lets all keep it safe !
> Rick McKee, KC8AON, Ohio - www.angelfire.com/electronic2/qrp
> Monthly QRP Field Day Group - http://groups.yahoo.com/group/MQFD/
> With God all things are possible <><
>

3783. Re: Grounding

Yahoo group: ham-antennas (2008)
Date: 2008-01-19 17:01:24 UTC
From: Jim
Topic: 3726 Message: 3783

I would then say to you that it wasn't the best grounding situation.

Jim

--- In ham-antennas@yahoogroups.com, "W8OKN" <w8okn@...> wrote:
>
> The best grounding situations still get hit with lightening. I have
witnessed it.
>
> And... amateur radio ops can be and often are, the best engineers in
the world.
>
> Just live next to a tower.
>
> Sean
> W8OKN
>
> [Non-text portions of this message have been removed]
>

3784. Re: Grounding

Yahoo group: ham-antennas (2008)
Date: 2008-01-19 17:10:11 UTC
From: Richard Zolla
Topic: 3726 Message: 3784

IMHO the best lightening protection is a comprehensive home owners policy. :>)

Rick N6NKN

--- In ham-antennas@yahoogroups.com, "Jim" <jimemack2000@...> wrote:
>
> I would then say to you that it wasn't the best grounding situation.
>
> Jim
>
> --- In ham-antennas@yahoogroups.com, "W8OKN" <w8okn@> wrote:
> >
> > The best grounding situations still get hit with lightening. I have
> witnessed it.
> >
> > And... amateur radio ops can be and often are, the best engineers in
> the world.
> >
> > Just live next to a tower.
> >
> > Sean
> > W8OKN
> >
> > [Non-text portions of this message have been removed]
> >
>

3785. Re: [ham-antennas] Re: Grounding

Yahoo group: ham-antennas (2008)
Date: 2008-01-19 17:28:56 UTC
From: W8OKN
Topic: 3726 Message: 3785

The article sent out earlier is written by an expert. I've read it before and it is excellent. He is a ham and he is an expert.

1. Don't be in the ham shack during a close lightening storm (at least 10 miles). Even with a very good system, you are not going to deflect 100% of the electrical energy... More like only up to 80%. That means 20% of a million volts is potentially headed toward your radio (and maybe you).

2. Commercial stations stay on the air because they operate remotely.

3. Have a radial system with several ground rods (read the article).

4. Be safe and smart. Lightening will jump, it can couple and it will be unpredictable, that I can predict accurately. To try and outsmart lightening is ignorance. "It ain't gonna happen."

Safety first and read the article before drawing any of your own conclusions.

Sean
W8OKN

[Non-text portions of this message have been removed]

3786. Re: [ham-antennas] Re: Grounding

Yahoo group: ham-antennas (2008)
Date: 2008-01-19 17:41:50 UTC
From: QRP_1@juno.com
Topic: 3726 Message: 3786

"lightening will almost
always take the straightest path to ground"

Not correct. Lightning will take the path of LEAST resistance. [snip]

Well, the shortest point between 2 points is a straight line and the shortest path will also be the point of least resistance. That is if all the connections are good and solid. So by providing a short, straight, low resistance path to ground, you can dissipate the strike before it gets to the shack.

Rick McKee, KC8AON, Ohio - www.angelfire.com/electronic2/qrp
Monthly QRP Field Day Group - http://groups.yahoo.com/group/MQFD/
With God all things are possible <><

3787. Re: [ham-antennas] Re: Grounding

Yahoo group: ham-antennas (2008)
Date: 2008-01-19 17:45:47 UTC
From: QRP_1@juno.com
Topic: 3726 Message: 3787

2. Commercial stations stay on the air because they operate remotely.

3. Have a radial system with several ground rods (read the article).[snip]

Plus their paying advertisers wouldn't like it if they went off the air everytime there was a storm brewing !

Rick McKee, KC8AON, Ohio - www.angelfire.com/electronic2/qrp
Monthly QRP Field Day Group - http://groups.yahoo.com/group/MQFD/
With God all things are possible <><

3788. Re: [ham-antennas] Re: Grounding

Yahoo group: ham-antennas (2008)
Date: 2008-01-19 18:30:01 UTC
From: Stan Kozlowitz
Topic: 3726 Message: 3788

And even though you have 4 or more ground rods, you will not know if any of them are truly ground (zero to 2 ohms) until you use one of those meters designed to measure the ground resistance. It can't be done at DC, so you can't take a Fluke VOM and measure it. The meters designed for this cost about $1500, so unless you have a LOT of money to waste, go borrow one from the phone company, or a cell-phone company.

One of the local hams gave a talk at the Richmond Amateur Radio Club last year. And he showed us several situations where people thought they were grounded, but the resistance was over 2000 ohms. In his own situation, he had two ground rods driven two feet apart. One had less than 2 ohms resistance and the other was over 2000 ohms.

Bottom line is: just because it looks good, it doesn't mean it is. YOU HAVE TO MEASURE !

Good luck on all your grounding.

Stan AA5XO

QRP_1@... wrote:
Jim makes a very good and valid point here. The reason
we amateur operators have the need to disconnect our
station is because it probably is not grounded
properly, to the standards required to disapate the
strike completely away from not only our stations, but
also our home. In a properly grounded environment,
there is absolutely no reason to not only not
disconnect the station, but you should be able to
continue operating as well. [snip]

I may not have the "perfect" station ground, but I purposely put my tower
out away from the house (25') away and have each leg of the tower
connected to its own 8' ground rod with all 3 rods bonded together. All
feedlines come down the tower to ground level where they are also (shield
side) grounded then taken over to another leg of the tower for a double
bend at ground level, then back up the tower to about 10' and then over
to the house. My reasoning for this is because lightening will almost
always take the straightest path to ground and with my tower grounded and
feedlines grounded before they come to the shack, I figure any strike
will be disapated before it gets to the shack. Do I think I would not
suffer any damage in the event of a direct hit - NO ! And I do not
choose to operate during a storm just because I don't like being in
contact with the equipment during a storm and the bands are so noisy
during a storm anyway, I just do something else until its over. I would
rather be safe than operate no matter how good the station is grounded.
But I do feel that having a good ground will help eliminate strikes since
it keeps charges from building up that triggers a strike. I also believe
that strikes are much more likely to come in on either the phone or power

lines simply because there are much more conducting material around to be struck in the first place.

Lets all keep it safe !
Rick McKee, KC8AON, Ohio - www.angelfire.com/electronic2/qrp
Monthly QRP Field Day Group - http://groups.yahoo.com/group/MQFD/
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[Non-text portions of this message have been removed]

3789. Re: [ham-antennas] Re: Grounding

Yahoo group: ham-antennas (2008)
Date: 2008-01-19 18:37:00 UTC
From: N0ATH
Topic: 3726 Message: 3789

Hello gentlemen: Not trying to debate this theory, just had to toss
in a thought provoking comment - A friend of mine had a 95" tower,
guyed, and fully extended with a 6 element triband beam a top of it.
Lightning as close as we could determine, came down around and
underneath the triband, between the 3 way guying system, and struck
a small redbud tree that was 12 foot from the base of the tower, blowing
it completely out of the ground, leaving a washtub sized hole, and there
was no damage to any part of the radio gear which was hooked up at the
time. Yeah mysterious ways!
Another one - There are 4 houses connected to this large pole mounted
transformer in the rear of my home. Lightning came down the hi tension
line, (now I am an amateur operator with loads of copper in the ground
and all grounds bonded together as good as I am capable of making),
Which house do you think had the most damage? Yessir - the one with
the path of least resistance. Very little damage to all houses, light bulbs
primarily. Not at my house where I have the good grounds - I was the
magnet. So now I am wondering - Maybe I should take my vast wealth
of radio knowledge and go help my neighbors get grounded -
and remove mine / Hi - Dave Vy 73

----- Original Message -----
From: <QRP_1@...>
To: <ham-antennas@yahoogroups.com>
Sent: Saturday, January 19, 2008 11:41 AM
Subject: Re: [ham-antennas] Re: Grounding

"lightening will almost
always take the straightest path to ground"

Not correct. Lightning will take the path of LEAST resistance. [snip]

Well, the shortest point between 2 points is a straight line and the
shortest path will also be the point of least resistance. That is if all
the connections are good and solid. So by providing a short, straight,
low resistance path to ground, you can dissipate the strike before it
gets to the shack.

Rick McKee, KC8AON, Ohio - www.angelfire.com/electronic2/qrp
Monthly QRP Field Day Group - http://groups.yahoo.com/group/MQFD/
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members (as of 11/07/07,
and attachments are NOT permitted.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com

Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com

Yahoo! Groups Links

3790. Re: [ham-antennas] Re: Grounding

Yahoo group: ham-antennas (2008)
Date: 2008-01-19 20:28:00 UTC
From: Don Rand
Topic: 3726 Message: 3790

This thread is exactly why I joined this group. To learn.

With that said, are towers themselves a problem because they are bolted together? If you ground the legs, and make sure the grounding cable is welded to the ground rods, is the friction connection between the tower segments adequate?

Don
KA5DON

[Non-text portions of this message have been removed]

3791. Re: [ham-antennas] Re: Grounding

Yahoo group: ham-antennas (2008)
Date: 2008-01-19 22:05:18 UTC
From: W8OKN
Topic: 3726 Message: 3791

I do not believe that bolting them together is necessarily an issue. If you have dissimilar metals, corrosion can set in, though. Then resistance goes up over time and then you could have a problem, if you are implying that you want them to share a common ground. I apologize if you've already explained this in a previous e-mail.

Not sure what you mean by friction. Do you mean resistance? Or are you suggesting that the manner in which you have them connected could be enough for there to be an adequate connection?

Are you able to drop 2 or 3 ground rods around each of the towers? Make the length of the grounding strap less than 75 to 80 feet and drop 2-3 rods per tower. You place them in a spider arrangement.

Sean
W8OKN

----- Original Message -----
From: Don Rand
To: ham-antennas@yahoogroups.com
Sent: Saturday, January 19, 2008 3:28 PM
Subject: Re: [ham-antennas] Re: Grounding

This thread is exactly why I joined this group. To learn.

With that said, are towers themselves a problem because they are bolted together? If you ground the legs, and make sure the grounding cable is welded to the ground rods, is the friction connection between the tower segments adequate?

Don
KA5DON

[Non-text portions of this message have been removed]

No virus found in this incoming message.
Checked by AVG Free Edition.
Version: 7.5.516 / Virus Database: 269.19.7/1232 - Release Date: 1/18/2008 7:32 PM

[Non-text portions of this message have been removed]

3792. Re: [ham-antennas] Re: Grounding

Yahoo group: ham-antennas (2008)
Date: 2008-01-19 22:16:25 UTC
From: Don Rand
Topic: 3726 Message: 3792

Sean,

Theoretical only. My 55 ft tower is horizontal. Won't be putting it up till late spring. The grounding thread had produced some questions that I didn't quite understand. It was just a question concerning the efficacy of the physical/electrical connection between the tower sections themselves.

Don
KA5DON

----- Original Message -----

I do not believe that bolting them together is necessarily an issue.
Recent Activity
a.. 23New Members
Visit Your Group
Moderator Central
Get answers to

your questions about

running Y! Groups.

Yahoo! Groups
Cat Zone

Connect w/ others

who love cats.

Yahoo! Groups
Self Improvement

Find support & keep

New Year's goals.
.

[Non-text portions of this message have been removed]

3793. Re: Grounding

Yahoo group: ham-antennas (2008)
Date: 2008-01-19 22:49:57 UTC
From: pillsbury_dough_biker
Topic: 3726 Message: 3793

I had the opportunity of being raised with individuals who were wealthy. Although my family was of limited means my friends had really neat toys. I found out that the best way to address the inequality was to just join my rich freinds in the enjoyment of their wonderful toys. They really appreciated that I wasn't talking about their money, just what fun their toys were. I enjoyed their friendship and their toys. Good luck on your Grounding, I am sure that with the information given here you will be able to have a "safe" station. Just make sure that your insurance policy includes both lightning and the station. 73 Charlie KCØBXC North Dakota

--- In ham-antennas@yahoogroups.com, QRP_1@... wrote:
>
> Jim makes a very good and valid point here. The reason
> we amateur operators have the need to disconnect our
> station is because it probably is not grounded
> properly, to the standards required to disapate the
> strike completely away from not only our stations, but
> also our home. In a properly grounded environment,
> there is absolutely no reason to not only not
> disconnect the station, but you should be able to
> continue operating as well. [snip]
>
> I may not have the "perfect" station ground, but I purposely put my
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> out away from the house (25') away and have each leg of the tower
> connected to its own 8' ground rod with all 3 rods bonded
together. All
> feedlines come down the tower to ground level where they are also
(shield
> side) grounded then taken over to another leg of the tower for a
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> bend at ground level, then back up the tower to about 10' and then
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> to the house. My reasoning for this is because lightening will
almost
> always take the straightest path to ground and with my tower
grounded and
> feedlines grounded before they come to the shack, I figure any
strike
> will be disapated before it gets to the shack. Do I think I would
not
> suffer any damage in the event of a direct hit - NO ! And I do not
> choose to operate during a storm just because I don't like being in
> contact with the equipment during a storm and the bands are so noisy

> during a storm anyway, I just do something else until its over. I
would
> rather be safe than operate no matter how good the station is
grounded.
> But I do feel that having a good ground will help eliminate strikes
since
> it keeps charges from building up that triggers a strike. I also
believe
> that strikes are much more likely to come in on either the phone or
power
> lines simply because there are much more conducting material around
to be
> struck in the first place.
>
> Lets all keep it safe !
> Rick McKee, KC8AON, Ohio - www.angelfire.com/electronic2/qrp
> Monthly QRP Field Day Group - http://groups.yahoo.com/group/MQFD/
> With God all things are possible <><
>

3794. Re: [ham-antennas] Re: Grounding

Yahoo group: ham-antennas (2008)
Date: 2008-01-20 00:54:53 UTC
From: Harold Burton
Topic: 3726 Message: 3794

And his life, surely.

Harold
KD5SAK

----- Original Message -----
From: "pillsbury_dough_biker" <littlepaper@...>
To: <ham-antennas@yahoogroups.com>
Sent: Saturday, January 19, 2008 2:49 PM
Subject: [ham-antennas] Re: Grounding

Good luck on your Grounding, I am sure that with the information given here
you will be able to have
a "safe" station. Just make sure that your insurance policy includes
both lightning and the station. 73 Charlie KC?BXC North Dakota

3795. Re: [ham-antennas] Re: Grounding

Yahoo group: ham-antennas (2008)
Date: 2008-01-20 01:23:21 UTC
From: Bill
Topic: 3726 Message: 3795

Isn't that exactly how a lightning rod works ???

When I first moved here (Abt 19 years ago) I had a small (abt 18 feet) tree out back near a power pole and the power lines and quite a few other very tall (70, 80, 90 feet or so) trees....During one lightning storm this little tree was struck by lightning. It blasted off a couple of horizontal limbs. I liked the little tree so I let it be and hoped that it would recover....Well during the very next lightning storm this same tree was hit by lightning again straight down the middle of the tree from the top. It split the tree in half all the way of its length....Had to cut down the tree after that. There just wasn't much left.....My point is.....

I always heard that lightning would hit the tallest objects before it would hit a lower object...That myth was Busted for me. Also I always heard that lightning never strikes the same place twice...Again myth busted.....There was plenty of other higher objects near this little tree. I was a bit amazed to say the least....

I knew of a guy when I was younger and had a paper route. Well he was walking thru a cemetery one night and he got hit by lightning and killed. They said it hit him in the head and travailed thru his body and exited out of the bottom of his foot. They found him near a very tall tree...The tree was not hit but he sure was....

Then there was the time that I was driving trucks and I was going down the highway and a lightning bolt Struck the road right next to my truck . talk about your hairs standing on end....The blinding light, the crackling BOOM, Well lets just say that is as close to lightning as I ever want to be...I just abt wrecked the Truck....I mean it was right there...another 5 feet and I would have been hit...It's a miracle that I didn't wreck the truck...Talk about a rush.....I'm not all that easy to scare but I can tell you that I was scared outta my mind on that last one...

Another time me and my neighbor were on his front porch and we heard and seen a lightning strike hit the power pole , then it jumped down to the power lines and a big BALL of energy Shot across and down the power lines. Talk about a awesome sight. It was like a ball of blue and white light just shooting down the length of the power lines...We were glad that it was on the other side of the street because they are on a different circuit that we are...Talk about intense....

Bottom line is...Lightning has a mind of its own and you are not gonna change that.
So for me I just feel that the safest and most prudent thing to do is to unhook everything...Period. end of story

It's not nice to fool with mother nature...

Lots of good info with links on the group...Thanks everyone...

Bill In Ohio

The most intense time I had during a lightning storm was when I was a armour Crewman in the US Army Cavalry in the early 1980's. I was a Tank Driver (M60 A3 Combat Tank) Well we had 63 electrically charged rounds (105mm) on board and were in the process of Tank gunnery. Well a nasty electrical lightning storm insued. Well a few of us were a little worried being inside the huge piece of metal During this storm with all these electrically charged rounds...We were told its ok you are all safe. But you better turn off the radios and take your antennas down....Hmmmm. Go figure....

Better safe than sorry I always say...73's and good luck everyone

Bill In Ohio

QRP_1@... wrote: "lightening will almost
always take the straightest path to ground"

Not correct. Lightning will take the path of LEAST resistance. [snip]

Well, the shortest point between 2 points is a straight line and the
shortest path will also be the point of least resistance. That is if all
the connections are good and solid. So by providing a short, straight,
low resistance path to ground, you can dissipate the strike before it
gets to the shack.

Rick McKee, KC8AON, Ohio - www.angelfire.com/electronic2/qrp
Monthly QRP Field Day Group - http://groups.yahoo.com/group/MQFD/
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[Non-text portions of this message have been removed]

3796. Re: Grounding

Yahoo group: ham-antennas (2008)
Date: 2008-01-20 03:08:24 UTC
From: rrath@charter.net
Topic: 3726 Message: 3796

This is a good thread, lets go a little farther. A friend of mine told me about another HAM that saw a lightning storm coming his way. So he turned off the radios, power supply and un-screwed all the coaxs from the radios. He thought he was safe. Well, as the story goes the storm came. A bolt of lightning hit one of the antennas, traveled down the coax to the end of it where the bolt of lightning shot across the room and killed the dog and started the house on fire.

My question would be, would it be better to switch your antenna switch box to one connection that both the center conductor and the shield soldered together and then go to ground? The switch box might explode, but would the bolt also travel to ground? Comments. Ideas.

Rod

3797. RE: [ham-antennas] Re: Grounding

Yahoo group: ham-antennas (2008)
Date: 2008-01-20 04:20:08 UTC
From: Dennis
Topic: 3726 Message: 3797

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Jim
Sent: Wednesday, January 16, 2008 8:23 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: Grounding

Hi Dean, and thanks for the advice.

My understanding is that a good RF ground can make a lousy protective ground, but a good protective ground will also make a good RF ground.

I think I will opt for the lightning ground. However, I was thinking of augmenting the aforementioned configuration with a counterpoise of sorts, in the form of a continuous length of #8 bare copper wire going all the way around the house, both ends terminated together at the common grounding point. That will be about 140' of extra wire near the surface of the ground, perhaps 1/4" to 1/2" deep.

Any thoughts?

Jim

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has a decent radial system with 32 radials and gets a lot better signal, even on 6 meters (not made for it but it works with 1.3 swr) As soon I as find a used tv tower (free just take it down) which I□ve started looking for, I□ll try to put up some other antennas like hexbeam, spiderbeam, cobweb etc and report how they work.

Dennis KC9HXE

[Non-text portions of this message have been removed]

3798. Re: Grounding

Yahoo group: ham-antennas (2008)
Date: 2008-01-20 04:36:36 UTC
From: Jim
Topic: 3726 Message: 3798

Hi Dennis,

I really like the idea of soldering copper pipe. It's as bonded as you can possibly get and it's probably a lot cheaper than ground rods. The design that I have drawn up so far requires 17 rods at a cost of over $250.00 for the rods themselves. I think I might ponder the copper pipe thing a bit more before I continue on this quest.

Thanks man,

Jim

--- In ham-antennas@yahoogroups.com, "Dennis" <huckfinn1963@...> wrote:
>
>
>
>
>
> _____
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> From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On
> Behalf Of Jim
> Sent: Wednesday, January 16, 2008 8:23 PM
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] Re: Grounding
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> I think I will opt for the lightning ground. However, I was thinking
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> Any thoughts?
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> Dennis KC9HXE
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>
>
>
>
> [Non-text portions of this message have been removed]
>

3799. RE: [ham-antennas] Re: Grounding

Yahoo group: ham-antennas (2008)
Date: 2008-01-20 10:15:13 UTC
From: Stan Kozlowitz
Topic: 3726 Message: 3799

That is true at only certain frequencies (low frequencies). All wires have inductive reactance and exhibit some capacitance to ground. So the higher the frequency, the greater the reactance. At some point, what you think is a low impedance to ground, really isn't a low impedance at all. I guess the big question is ...What frequencies are involved with lightning?

73
Stan AA5XO

Dennis <huckfinn1963@...> wrote:

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Jim
Sent: Wednesday, January 16, 2008 8:23 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: Grounding

Hi Dean, and thanks for the advice.

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Any thoughts?

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[Non-text portions of this message have been removed]

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[Non-text portions of this message have been removed]

3800. Re: [ham-antennas] Re: Grounding

Yahoo group: ham-antennas (2008)
Date: 2008-01-20 11:58:49 UTC
From: W8OKN
Topic: 3726 Message: 3800

On the scale of a single thunderstorm, lightning is a discharge--a means of releasing the tremendous electrical energy built up by the storm. But on a global scale, thunderstorms actually separate charge. Lightning and other storm-related electrical features act to maintain a permanent potential of some 300 kilovolts between the earth's crust, which is negatively charged, and the ionosphere (well above 30 miles, or 50 kilometers), which is positively charged. In between, the slightly conductive lower atmosphere allows current to flow between the two regions. Were it not for the constant recharging from thunderstorms, the earth-atmosphere potential would disappear in a mere five minutes.

http://adsabs.harvard.edu/abs/1989JGR....9413221L

----- Original Message -----
From: Stan Kozlowitz
To: ham-antennas@yahoogroups.com
Sent: Sunday, January 20, 2008 5:15 AM
Subject: RE: [ham-antennas] Re: Grounding

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Dennis <huckfinn1963@...t> wrote:

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Sent: Wednesday, January 16, 2008 8:23 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: Grounding

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No virus found in this incoming message.
Checked by AVG Free Edition.
Version: 7.5.516 / Virus Database: 269.19.7/1232 - Release Date: 1/18/2008 7:32 PM

[Non-text portions of this message have been removed]

3801. Re: [ham-antennas] Re: Grounding

Yahoo group: ham-antennas (2008)
Date: 2008-01-20 12:00:49 UTC
From: W8OKN
Topic: 3726 Message: 3801

The power spectra of the wideband (10 Hz to 100 kHz) magnetic field signals in a number of lightning return strokes (primarily first return strokes) measured during a lightning storm which occurred in Lindau in August 1984 have been calculated.

----- Original Message -----
From: W8OKN
To: ham-antennas@yahoogroups.com
Sent: Sunday, January 20, 2008 6:58 AM
Subject: Re: [ham-antennas] Re: Grounding

On the scale of a single thunderstorm, lightning is a discharge--a means of releasing the tremendous electrical energy built up by the storm. But on a global scale, thunderstorms actually separate charge. Lightning and other storm-related electrical features act to maintain a permanent potential of some 300 kilovolts between the earth's crust, which is negatively charged, and the ionosphere (well above 30 miles, or 50 kilometers), which is positively charged. In between, the slightly conductive lower atmosphere allows current to flow between the two regions. Were it not for the constant recharging from thunderstorms, the earth-atmosphere potential would disappear in a mere five minutes.

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Sent: Sunday, January 20, 2008 5:15 AM
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[Non-text portions of this message have been removed]

3802. Re: [ham-antennas] Re: Grounding

Yahoo group: ham-antennas (2008)
Date: 2008-01-20 12:19:57 UTC
From: N9WB
Topic: 3726 Message: 3802

You would be better off with radials. Put 3 ground rods 10 ft. long on each leg of the tower. Run at least one 10 ft radial out from each rod. The more radials the better off you are. Also run a wire from this ground to the power box ground. If you have more than 1 antenna that is grounded, tie the grounds together.

The idea is not to handle a strike, it is to prevent a strike. With proper grounding, the potential difference between the ground and a cloud does not get high enough to produce a leader.

The best lightning protection is to disconnect the mains, antennas, and grounds from the equipment. Don't forget the rotor cable.

Vy 73, Walt N9WB

----- Original Message -----
From: Jim
To: ham-antennas@yahoogroups.com
Sent: Saturday, January 19, 2008 11:36 PM
Subject: [ham-antennas] Re: Grounding

Hi Dennis,

I really like the idea of soldering copper pipe. It's as bonded as you can possibly get and it's probably a lot cheaper than ground rods. The design that I have drawn up so far requires 17 rods at a cost of over $250.00 for the rods themselves. I think I might ponder the copper pipe thing a bit more before I continue on this quest.

Thanks man,

Jim

--- In ham-antennas@yahoogroups.com, "Dennis" <huckfinn1963@...>
wrote:
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> From: ham-antennas@yahoogroups.com [mailto:ham-
antennas@yahoogroups.com] On
> Behalf Of Jim
> Sent: Wednesday, January 16, 2008 8:23 PM
> To: ham-antennas@yahoogroups.com

> Subject: [ham-antennas] Re: Grounding
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7:32 PM

3803. Re: Grounding

Yahoo group: ham-antennas (2008)
Date: 2008-01-20 15:29:02 UTC
From: Jim
Topic: 3726 Message: 3803

The trick is to keep impedance as low as possible, so frequency is not an issue. you do that by using wide, flat ribbon, instead of wire, to bong the rods and also to bond the system to the power company ground. Flat ribbon presents almost no impedance. Therefore, the "path of least resistance" rule kicks in.

Jim

--- In ham-antennas@yahoogroups.com, Stan Kozlowitz <aa5xo@...> wrote:
>
> That is true at only certain frequencies (low frequencies). All wires have inductive reactance and exhibit some capacitance to ground. So the higher the frequency, the greater the reactance. At some point, what you think is a low impedance to ground, really isn't a low impedance at all. I guess the big question is ...What frequencies are involved with lightning?
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> Stan AA5XO
>
>
> Dennis <huckfinn1963@...> wrote:
>
>

3804. Re: Grounding

Yahoo group: ham-antennas (2008)
Date: 2008-01-20 15:32:24 UTC
From: Jim
Topic: 3726 Message: 3804

Again, you should not use wire, as it presents significant impedance to lightning at certain frequencies. The radials and the bonding to the power ground should be made of flat copper ribbon at least 2" wide. The wider, the beter.

Jim

--- In ham-antennas@yahoogroups.com, "N9WB" <n9wb@...> wrote:
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> Vy 73, Walt N9WB
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> ----- Original Message -----
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> To: ham-antennas@yahoogroups.com
> Sent: Saturday, January 19, 2008 11:36 PM
> Subject: [ham-antennas] Re: Grounding
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> > long.
> >

> > I use a 1" copper pipe with 1-3/4-1 inch tees to connect it all
> up. The
> > trench is a foot deep, so the bottom of the pipes are near 11' . I
> set it
> > all up first with the pipes drove in and then soldered it all up.
> Makes for
> > a good protective ground, and for a good rf ground for my radios.
> I still
> > use counterpoise for the 4-btv as that's a totally separate thing,
> i.e. it's
> > the other half of the antenna. The benefit of a good ground for
> the shack
> > is apparent when I use my laptop now. I had lots of noise problems
> from it
> > before, actually couldn't use it due to the noise it made. Now
> with it
> > grounded the rf noise level doesn't change when I turn it on. As
> far as
> > lighting goes I always disconnect power, audio, and antennas from
> my equipt
> > when I log off. I can't afford to lose my 3 radio's, their not
> fancy but
> > with 4 kids money is always short. By the way, since this is an
> antenna
> > group I thought I should include my antenna thoughts. I currently
> use a
> > offset feed dipole 135' long (45'/90') and the 4-btv. After lots
of
> > listening and some transmitting I like the 4-btv much better. The
> biggest
> > problem and one I expect many hams have is getting enough high
> enough with
> > the dipole. Its about 30ft and slopes down to 15ft at the other
> end causing
> > it to be a cloud warmer on all but 6 & 2 meters. The btv on the
> other hand
> > has a decent radial system with 32 radials and gets a lot better
> signal,
> > even on 6 meters (not made for it but it works with 1.3 swr) As
> soon I as
> > find a used tv tower (free just take it down) which I've started
> looking
> > for, I'll try to put up some other antennas like hexbeam,
> spiderbeam, cobweb
> > etc and report how they work.
> >
> > Dennis KC9HXE
> >
> >
> >

> >
> >
> > [Non-text portions of this message have been removed]
> >
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>
> No virus found in this incoming message.
> Checked by AVG Free Edition.
> Version: 7.5.516 / Virus Database: 269.19.7/1232 - Release Date:
1/18/2008
> 7:32 PM
>

3805. Re: [ham-antennas] Re: Grounding

Yahoo group: ham-antennas (2008)
Date: 2008-01-20 15:52:51 UTC
From: QRP_1@juno.com
Topic: 3726 Message: 3805

The trick is to keep impedance as low as possible, so frequency is not an issue. you do that by using wide, flat ribbon, instead of wire, to bong the rods and also to bond the system to the power company ground. Flat ribbon presents almost no impedance. Therefore, the "path of least resistance" rule kicks in. [snip]

Jim and Group,
My bonding strap used here is a 5/8" wide flat braided grounding strap that has eyelets every 4 inches so you can bolt other conductors to it wherever needed. When I first got setup a friend gave me what was left over on the roll from his installation and it has served me well. I have it entering the shack and screwed to the back of my desk where I run the equipment grounds down to it. The equipment grounds are made from the braided coax shield from RG8 coax. I just strip the shield off the coax, flatten it and install ring terminals to both ends and bolt it to the main ground strap on the back of the desk. My shack ground and AC service ground is also bonded together with the same stuff and so is my tower ground.

If you want to improve the ground conductivity around your ground rods, you can provide a salt well near them. A salt well is nothing more than a plastic pipe (pvc) burried vertically near the ground rods with holes drilled in the pipe so the salt can leach into the ground around it. Leave enough pipe sticking out of the ground so you can put a cap on it and occasionally fill it with rock salt like you use to melt ice off your driveway. I have heard of using copper sulfate to salt the ground with too but don't know if you hcan still get it. It was a dry bluish powder that came in big bags for some reason that I know not, but I read about salting the ground and salt wells in an old book once. I just toss some rock salt on the ground around my ground rods once in a while - this helps increase ground conductivity and also keeps the weeds down around my ground rods !

Rick McKee, KC8AON, Ohio - www.angelfire.com/electronic2/qrp
Monthly QRP Field Day Group - http://groups.yahoo.com/group/MQFD/
With God all things are possible <><

3806. Re: Grounding

Yahoo group: ham-antennas (2008)
Date: 2008-01-20 16:37:47 UTC
From: Jim
Topic: 3726 Message: 3806

Rick,

The literature that I've been reading warns against using braided grounding straps. They are good for DC, but not effective at higher frequencies. The recommendation from all sources is to use wide, flat copper ribbon.

Jim

--- In ham-antennas@yahoogroups.com, QRP_1@... wrote:
>
> The trick is to keep impedance as low as possible, so frequency is
> not an issue. you do that by using wide, flat ribbon, instead of
> wire, to bong the rods and also to bond the system to the power
> company ground. Flat ribbon presents almost no impedance.
> Therefore, the "path of least resistance" rule kicks in. [snip]
>
> Jim and Group,
> My bonding strap used here is a 5/8" wide flat braided grounding
strap
> that has eyelets every 4 inches so you can bolt other conductors to
it
> wherever needed. When I first got setup a friend gave me what was
left
> over on the roll from his installation and it has served me well.
I have
> it entering the shack and screwed to the back of my desk where I
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> equipment grounds down to it. The equipment grounds are made from
the
> braided coax shield from RG8 coax. I just strip the shield off the
coax,
> flatten it and install ring terminals to both ends and bolt it to
the
> main ground strap on the back of the desk. My shack ground and AC
> service ground is also bonded together with the same stuff and so
is my
> tower ground.
>
> If you want to improve the ground conductivity around your ground
rods,
> you can provide a salt well near them. A salt well is nothing more
than
> a plastic pipe (pvc) burried vertically near the ground rods with
holes
> drilled in the pipe so the salt can leach into the ground around

it.
> Leave enough pipe sticking out of the ground so you can put a cap
on it
> and occasionally fill it with rock salt like you use to melt ice
off your
> driveway. I have heard of using copper sulfate to salt the ground
with
> too but don't know if you hcan still get it. It was a dry bluish
powder
> that came in big bags for some reason that I know not, but I read
about
> salting the ground and salt wells in an old book once. I just toss
some
> rock salt on the ground around my ground rods once in a while - this
> helps increase ground conductivity and also keeps the weeds down
around
> my ground rods !
>
> Rick McKee, KC8AON, Ohio - www.angelfire.com/electronic2/qrp
> Monthly QRP Field Day Group - http://groups.yahoo.com/group/MQFD/
> With God all things are possible <><
>

3807. Re: Grounding

Yahoo group: ham-antennas (2008)
Date: 2008-01-20 16:43:05 UTC
From: Jim
Topic: 3726 Message: 3807

Here is one example of what I read about Braided conductors:

"Discard all forms of braided cable. Braid is something a girl does
to her hair. It is not a good RF ground and it's a terrible conductor
for lightning energy."

Jim

--- In ham-antennas@yahoogroups.com, "Jim" <jimemack2000@...> wrote:
>
> Rick,
>
> The literature that I've been reading warns against using braided
> grounding straps. They are good for DC, but not effective at
higher
> frequencies. The recommendation from all sources is to use wide,
> flat copper ribbon.
>
> Jim
>
> --- In ham-antennas@yahoogroups.com, QRP_1@ wrote:
> >
> > The trick is to keep impedance as low as possible, so frequency
is
> > not an issue. you do that by using wide, flat ribbon, instead of
> > wire, to bong the rods and also to bond the system to the power
> > company ground. Flat ribbon presents almost no impedance.
> > Therefore, the "path of least resistance" rule kicks in. [snip]
> >
> > Jim and Group,
> > My bonding strap used here is a 5/8" wide flat braided
grounding
> strap
> > that has eyelets every 4 inches so you can bolt other conductors
to
> it
> > wherever needed. When I first got setup a friend gave me what
was
> left
> > over on the roll from his installation and it has served me
well.
> I have
> > it entering the shack and screwed to the back of my desk where I
> run the
> > equipment grounds down to it. The equipment grounds are made
from

> the
> > braided coax shield from RG8 coax. I just strip the shield off
the
> coax,
> > flatten it and install ring terminals to both ends and bolt it to
> the
> > main ground strap on the back of the desk. My shack ground and AC
> > service ground is also bonded together with the same stuff and so
> is my
> > tower ground.
> >
> > If you want to improve the ground conductivity around your
ground
> rods,
> > you can provide a salt well near them. A salt well is nothing
more
> than
> > a plastic pipe (pvc) burried vertically near the ground rods with
> holes
> > drilled in the pipe so the salt can leach into the ground around
> it.
> > Leave enough pipe sticking out of the ground so you can put a cap
> on it
> > and occasionally fill it with rock salt like you use to melt ice
> off your
> > driveway. I have heard of using copper sulfate to salt the
ground
> with
> > too but don't know if you hcan still get it. It was a dry bluish
> powder
> > that came in big bags for some reason that I know not, but I read
> about
> > salting the ground and salt wells in an old book once. I just
toss
> some
> > rock salt on the ground around my ground rods once in a while -
this
> > helps increase ground conductivity and also keeps the weeds down
> around
> > my ground rods !
> >
> > Rick McKee, KC8AON, Ohio - www.angelfire.com/electronic2/qrp
> > Monthly QRP Field Day Group - http://groups.yahoo.com/group/MQFD/
> > With God all things are possible <><
> >
>

3808. Re: [ham-antennas] Re: Grounding

Yahoo group: ham-antennas (2008)
Date: 2008-01-20 17:05:10 UTC
From: Dean L.
Topic: 3726 Message: 3808

If you feel that it is a concern then just run a heavy ground wire to
the top and tie the bottom into your grounding system.

73 Dean W5GXL

Disclaimer: Any errors in spelling, or fact are
transmission errors.

On Jan 19, 2008, at 2:28 PM, Don Rand wrote:

> This thread is exactly why I joined this group. To learn.
>
> With that said, are towers themselves a problem because they are
> bolted together? If you ground the legs, and make sure the
> grounding cable is welded to the ground rods, is the friction
> connection between the tower segments adequate?
>
> Don
> KA5DON
>
> [Non-text portions of this message have been removed]
>
>
>

[Non-text portions of this message have been removed]

3809. Re: [ham-antennas] Re: Grounding

Yahoo group: ham-antennas (2008)
Date: 2008-01-20 17:06:06 UTC
From: Stan Kozlowitz
Topic: 3726 Message: 3809

Frequency is always an issue, or at least should be considered, when talking about impedance. But it may be that the frequencies are so low that it is not a problem.

Noone is talking about MEASURING the ground resistance with a ground resistance meter. Is this just not done in the amateur community???

Someone, please answer.

And 73,
Stan AA5XO

Jim <jimemack2000@...> wrote:
The trick is to keep impedance as low as possible, so frequency is not an issue. you do that by using wide, flat ribbon, instead of wire, to bong the rods and also to bond the system to the power company ground. Flat ribbon presents almost no impedance. Therefore, the "path of least resistance" rule kicks in.

Jim

--- In ham-antennas@yahoogroups.com, Stan Kozlowitz <aa5xo@...> wrote:
>
> That is true at only certain frequencies (low frequencies). All wires have inductive reactance and exhibit some capacitance to ground. So the higher the frequency, the greater the reactance. At some point, what you think is a low impedance to ground, really isn't a low impedance at all. I guess the big question is ...What frequencies are involved with lightning?
>
> 73
> Stan AA5XO
>
>
> Dennis <huckfinn1963@...> wrote:
>
>

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[Non-text portions of this message have been removed]

3810. Re: [ham-antennas] Re: Grounding

Yahoo group: ham-antennas (2008)
Date: 2008-01-20 17:10:47 UTC
From: Dean L.
Topic: 3726 Message: 3810

This is Why one needs to bond the coax braid to the outside grounding system at the BASE of the tower.. Again with lightning arrestors when it first enters the house to your thick flat cooper Single Point Ground.

73 Dean W5GXL

Disclaimer: Any errors in spelling, or fact are transmission errors.

On Jan 19, 2008, at 9:08 PM, rrath@... wrote:

> This is a good thread, lets go a little farther. A friend of mine
> told me about
> another HAM that saw a lightning storm coming his way. So he turned
> off
> the radios, power supply and un-screwed all the coaxs from the
> radios. He
> thought he was safe. Well, as the story goes the storm came. A bolt of
> lightning hit one of the antennas, traveled down the coax to the
> end of it
> where the bolt of lightning shot across the room and killed the dog
> and
> started the house on fire.
>
> My question would be, would it be better to switch your antenna
> switch box
> to one connection that both the center conductor and the shield
> soldered
> together and then go to ground? The switch box might explode, but
> would
> the bolt also travel to ground? Comments. Ideas.
>
> Rod
>
>

[Non-text portions of this message have been removed]

3811. TNX

Yahoo group: ham-antennas (2008)
Date: 2008-01-20 15:31:20 UTC
From: Ashok Kumar N
Topic: 3811 Message: 3811

hi all
tnx a lot for letting me in

73s
vu3nas

[Non-text portions of this message have been removed]

3812. Re: Grounding

Yahoo group: ham-antennas (2008)
Date: 2008-01-20 18:19:31 UTC
From: Jim
Topic: 3726 Message: 3812

I built a Lightning Detector that is tuned to about 300kHz, but
lightning is broadband in a sense.

Ground resistance meters are very costly - over $1,000.00

--- In ham-antennas@yahoogroups.com, Stan Kozlowitz <aa5xo@...> wrote:
>
> Frequency is always an issue, or at least should be considered,
when talking about impedance. But it may be that the frequencies are
so low that it is not a problem.
>
> Noone is talking about MEASURING the ground resistance with a
ground resistance meter. Is this just not done in the amateur
community???
>
> Someone, please answer.
>
> And 73,
> Stan AA5XO
>
>
> Jim <jimemack2000@...> wrote:
> The trick is to keep impedance as low as possible, so
frequency is
> not an issue. you do that by using wide, flat ribbon, instead of
> wire, to bong the rods and also to bond the system to the power
> company ground. Flat ribbon presents almost no impedance.
> Therefore, the "path of least resistance" rule kicks in.
>
> Jim
>
> --- In ham-antennas@yahoogroups.com, Stan Kozlowitz <aa5xo@> wrote:
> >
> > That is true at only certain frequencies (low frequencies). All
> wires have inductive reactance and exhibit some capacitance to
> ground. So the higher the frequency, the greater the reactance. At
> some point, what you think is a low impedance to ground, really
isn't
> a low impedance at all. I guess the big question is ...What
> frequencies are involved with lightning?
> >
> > 73
> > Stan AA5XO
> >
> >

> > Dennis <huckfinn1963@> wrote:
> >
> >
>
>
>
>
>
>
> ---
> Be a better friend, newshound, and know-it-all with Yahoo! Mobile.
Try it now.
>
> [Non-text portions of this message have been removed]
>

3813. Re: [ham-antennas] Re: Grounding

Yahoo group: ham-antennas (2008)
Date: 2008-01-20 18:45:28 UTC
From: Stan Kozlowitz
Topic: 3726 Message: 3813

I understand they are expensive, but one could borrow one or rent one. You could even buy one and check all the hams grounding systems (for a fee, of course.

If you value your house and radios, wouldn't you try to get your hands on one. I bet a lot of hams who think they have a good ground, don't.

I don't have a ground system, but if I had a house with a tower, I would get real friendly with someone, or some company, who has a ground resistance meter. Especially if I had that $10,000 radio!

Stan AA5XO

Jim <jimemack2000@...> wrote:
I built a Lightning Detector that is tuned to about 300kHz, but
lightning is broadband in a sense.

Ground resistance meters are very costly - over $1,000.00

--- In ham-antennas@yahoogroups.com, Stan Kozlowitz <aa5xo@...> wrote:
>
> Frequency is always an issue, or at least should be considered,
when talking about impedance. But it may be that the frequencies are
so low that it is not a problem.
>
> Noone is talking about MEASURING the ground resistance with a
ground resistance meter. Is this just not done in the amateur
community???
>
> Someone, please answer.
>
> And 73,
> Stan AA5XO
>
>
> Jim <jimemack2000@...> wrote:
> The trick is to keep impedance as low as possible, so
frequency is
> not an issue. you do that by using wide, flat ribbon, instead of
> wire, to bong the rods and also to bond the system to the power
> company ground. Flat ribbon presents almost no impedance.
> Therefore, the "path of least resistance" rule kicks in.
>
> Jim
>
> --- In ham-antennas@yahoogroups.com, Stan Kozlowitz <aa5xo@> wrote:
> >

> > That is true at only certain frequencies (low frequencies). All
> wires have inductive reactance and exhibit some capacitance to
> ground. So the higher the frequency, the greater the reactance. At
> some point, what you think is a low impedance to ground, really
isn't
> a low impedance at all. I guess the big question is ...What
> frequencies are involved with lightning?
> >
> > 73
> > Stan AA5XO
> >
> >
> > Dennis <huckfinn1963@> wrote:
> >
> >
>
>
>
>
>
>
> ---
> Be a better friend, newshound, and know-it-all with Yahoo! Mobile.
Try it now.
>
> [Non-text portions of this message have been removed]
>

Be a better friend, newshound, and know-it-all with Yahoo! Mobile. Try it now.

[Non-text portions of this message have been removed]

3814. Half Wave Open Loop, aka dipole bent into a rectangle in the attic

Yahoo group: ham-antennas (2008)
Date: 2008-01-20 23:17:31 UTC
From: Jonathan Helis KB5IAV
Topic: 3814 Message: 3814

I live in an area where putting up an outdoor antenna is a little difficult so I'm experimenting with attic antennas.

I built a 60 foot half wave open loop antenna in my attic. It's basically a dipole bent into a 25x5foot rectangle. Not this best I know, but it will have to do for now.

The antenna is fed with indoor/outdoor foam filled Radio Shack 300 ohm TV twinlead. I had a roll of it lying around so I thought I'd try it. I have a MFJ 911H 1:1/4:1 switchable balun and an LDG Z11 Pro autotuner.

I can load the antenna just about anywhere with a less than 2:1 SWR, flat on some frequencies, and can make contacts. Thhe problem I'm having is even though I have low SWR, sometimes the rig cuts out as if the SWR were too high. It usually happens when I'm running phone at around 100 watts. Sometimes lowering the power helps, but not always.

I've had RF in the shack issues with single wire feed antennas, but the rig didn't do this. I'm wondering if I'm getting some arcing somewhere or if the problem is something else. If anyone has any insight into this, I'd appreciate the help.

The rig is a Kenwood TS-140S.

I found this group while searching Yahoo and thought it would be a great place to ask this question, or any other antenna questions I have in the future.

Look forward to getting a response.

--
73,

Jonathan Helis, KB5IAV
Baton Rouge, Louisiana, USA

3815. [ham-antennas] Thrust Bearings

Yahoo group: ham-antennas (2008)
Date: 2008-01-20 23:48:33 UTC
From: NS5B
Topic: 3814 Message: 3815

Have my antenna ready, but had a question whether I needed a thrust bearing or not.

The antenna itself is a 7 element tri-bander, and weighs about 58lbs. I'm mounting it to a 15ft mast that is 2.0" galvanized pipe. (Not sure of the weight of that) The rotor is an old HD-73. I refurnished it and it works great, but I'm not sure if it can handle the heavy downward pressure of the antenna AND the mast, and turn efficiently.

Would you not worry about it, take my chances, and run it as it is, or add a thrust bearing? The top of the tower has the tapered section with the mast "sleeve", but I do have another mid-section as well.

If I need a thrust bearing, should I add a ROHN BPL25G Bearing Plate, or use a ROHN BAS25G Accessory Shelf?? Both look a lot alike, except one is TWICE the price.

I have a plate to mount the rotor to, but have nothing for the thrust bearing.

Also, what thrust bearing should I use? I've seen several types from ROHN to Yaesu.

Suggestions??

[Non-text portions of this message have been removed]

3816. Re: [ham-antennas] Thrust Bearings

Yahoo group: ham-antennas (2008)
Date: 2008-01-21 00:32:08 UTC
From: Vlincoln
Topic: 3814 Message: 3816

I usually add a thrust bearing after about 30 pounds of
weight on the rotator bearings.
wd8aam

At 17:48 1/20/2008 -0600, you wrote:

>Have my antenna ready, but had a question whether I needed a thrust bearing
>or not.
>
>The antenna itself is a 7 element tri-bander, and weighs about 58lbs. I'm
>mounting it to a 15ft mast that is 2.0" galvanized pipe. (Not sure of the
>weight of that) The rotor is an old HD-73. I refurnished it and it works
>great, but I'm not sure if it can handle the heavy downward pressure of the
>antenna AND the mast, and turn efficiently.
>
>Would you not worry about it, take my chances, and run it as it is, or add a
>thrust bearing? The top of the tower has the tapered section with the mast
>"sleeve", but I do have another mid-section as well.
>
>If I need a thrust bearing, should I add a ROHN BPL25G Bearing Plate, or use
>a ROHN BAS25G Accessory Shelf?? Both look a lot alike, except one is TWICE
>the price.
>
>I have a plate to mount the rotor to, but have nothing for the thrust
>bearing.
>
>Also, what thrust bearing should I use? I've seen several types from ROHN to
>Yaesu.
>
>Suggestions??
>
>[Non-text portions of this message have been removed]
>
>

[Non-text portions of this message have been removed]

3817. My inadvertent NVIS test

Yahoo group: ham-antennas (2008)
Date: 2008-01-21 20:37:31 UTC
From: Dave
Topic: 3817 Message: 3817

Well, there you have it. I tried an NVIS antenna. Not the objective of the antenna, but a temporary condition.

I'm rebuilding my wire antennas from windstorm damage. As of sundown Saturday, my 80 meter inverted vee was re-assembled, but temporarily strung only six feet off the ground. As predicted, the SWR minimum was at a lower frequency than when it is hoisted higher, but still within band.

Just for fun, I tried making QSOs on it. Uniformly, my regular contacts reported that I was 4-6 S-units weaker than normal (it's normally strung as an inverted vee with the apex at 50 feet). To contact stations only 200-400 miles away required the use of the kilowatt amplifier on SSB - things were easier on CW of course. On receive, I could hear local stations well enough, but did have to use the rig's preamplifier to do so in a few cases.

So, perhaps six feet is a bit TOO NVIS for 80 meters?

It was an entertaining experiment, though!

Dave W8NF

3818. Re: [ham-antennas] My inadvertent NVIS test

Yahoo group: ham-antennas (2008)
Date: 2008-01-21 20:48:27 UTC
From: Chris
Topic: 3817 Message: 3818

Well, I just got my call in April so I'm not an old hat at this, but...

My 80m antenna that got me S8+ plus reports for regional on 100W was a random hunk of wire thrown over tree branches and end-fed from a roller inductor tuner. It's terrible beyond 300-500 miles, but for regional ragchew, it did the trick for me.

However...if the band goes long, it doesn't matter if you have a kilowatt, you'll have issues hearing local people.

I don't have the wire up right now and I've only been monitoring with my vertical, but from what I've been hearing, the conditions lately for regional haven't been too stable.

Maybe it was just conditions, but I wouldn't discount it completely.

On Jan 21, 2008 3:37 PM, Dave <emailw8nf@...> wrote:
>
> So, perhaps six feet is a bit TOO NVIS for 80 meters?
>
> It was an entertaining experiment, though!
>
> Dave W8NF
>
>

3819. Re: [ham-antennas] My inadvertent NVIS test

Yahoo group: ham-antennas (2008)
Date: 2008-01-21 20:49:05 UTC
From: Chris
Topic: 3817 Message: 3819

I forgot to mention, my wire was only about 7 feet high.

On Jan 21, 2008 3:48 PM, Chris <kingsqueak@...> wrote:
> Well, I just got my call in April so I'm not an old hat at this, but...
>
> My 80m antenna that got me S8+ plus reports for regional on 100W was a
> random hunk of wire thrown over tree branches
>

3820. Re: [ham-antennas] Half Wave Open Loop, aka dipole bent into a rectangle in the attic

Yahoo group: ham-antennas (2008)
Date: 2008-01-21 22:31:28 UTC
From: Leonard K. Pennock
Topic: 3814 Message: 3820

Sounds like another symptom of RF in the Shack.

Jonathan Helis KB5IAV wrote:
> I live in an area where putting up an outdoor antenna is a little
> difficult so I'm experimenting with attic antennas.
>
> I built a 60 foot half wave open loop antenna in my attic. It's
> basically a dipole bent into a 25x5foot rectangle. Not this best I
> know, but it will have to do for now.
>
> The antenna is fed with indoor/outdoor foam filled Radio Shack 300 ohm
> TV twinlead. I had a roll of it lying around so I thought I'd try it. I
> have a MFJ 911H 1:1/4:1 switchable balun and an LDG Z11 Pro autotuner.
>
> I can load the antenna just about anywhere with a less than 2:1 SWR,
> flat on some frequencies, and can make contacts. Thhe problem I'm
> having is even though I have low SWR, sometimes the rig cuts out as if
> the SWR were too high. It usually happens when I'm running phone at
> around 100 watts. Sometimes lowering the power helps, but not always.
>
> I've had RF in the shack issues with single wire feed antennas, but the
> rig didn't do this. I'm wondering if I'm getting some arcing somewhere
> or if the problem is something else. If anyone has any insight into
> this, I'd appreciate the help.
>
> The rig is a Kenwood TS-140S.
>
> I found this group while searching Yahoo and thought it would be a great
> place to ask this question, or any other antenna questions I have in the
> future.
>
> Look forward to getting a response.
>

--
Leonard K. Pennock
AD7AS

Those who walk bravely through life, unafraid of loss or failure,
find that they very rarely lose or fail.

3821. Re: [ham-antennas] My inadvertent NVIS test

Yahoo group: ham-antennas (2008)
Date: 2008-01-22 03:10:33 UTC
From: The Kendricks
Topic: 3817 Message: 3821

Try getting your wire up another twelve feet or so. Mine is up about twenty and works good. It's a 100' end fed random fed by an old mfj941c.

Jason

[Non-text portions of this message have been removed]

3822. ICE Lightning Arrestor Accessories FOR SALE

Yahoo group: ham-antennas (2008)
Date: 2008-01-22 03:52:08 UTC
From: kc8ddq@aol.com
Topic: 3822 Message: 3822

Hey everyone,

I have two I.C.E. 318-1B mounting blocks for I.C.E. Series 300 Lightning/Static suppressors. These are designed to attach directly to the top of 5/8" ground rods. I ordered them but never put them to use cause I went with a little different layout in my lightning arrestor system. Also comes with conductive grease. You can check them out at.....

Click here: Impulse Suppressors | Arrestors (http://www.iceradioproducts.com/impulse1.html#5) or....

http://www.iceradioproducts.com/impulse1.html#5 (http://www.iceradioproducts.com/impulse1.html#5) .

I paid about $55 with shipping but am selling them both for $30 plus shipping.

Thanks
Paul
kc8ddq@... (mailto:kc8ddq@...)
614-354-8697 cell

**********Start the year off right. Easy ways to stay in shape.
http://body.aol.com/fitness/winter-exercise?NCID=aolcmp00300000002489

[Non-text portions of this message have been removed]

3823. Re: My inadvertent NVIS test

Yahoo group: ham-antennas (2008)
Date: 2008-01-22 04:20:48 UTC
From: Dave
Topic: 3817 Message: 3823

--- In ham-antennas@yahoogroups.com, "The Kendricks" <jrkendrick@...>
wrote:
>
> Try getting your wire up another twelve feet or so. Mine is up about
twenty and works good. It's a 100' end fed random fed by an old mfj941c.
>
> Jason
>

Well, it's going to end up at 50 feet again, as it was before.

I think you're right, though. When I was checking into the
local/regional nets, there was no shortage of locals who were doing
fine. Most of them had their antennas at 20 feet or more. My meager
four feet was simply too-well coupled into the earth!

Dave W8NF

3824. 75 ohm feedline

Yahoo group: ham-antennas (2008)
Date: 2008-01-22 04:56:53 UTC
From: kb3ccn
Topic: 3824 Message: 3824

ive been searching for all the information i can find on this topic . I would like to use .625 hardline for my vhf/uhf antennas or even QR320 or RG11U . If i adapt the connector or find a 75 ohm connector for this typ of application, will i still be safe with operating my rigs ?

does anyone make a conector for any of the above or do i have to fabricate them my self ..

Thanks

Keith
N3QAM

3825. Re: [ham-antennas] 75 ohm feedline

Yahoo group: ham-antennas (2008)
Date: 2008-01-22 14:13:59 UTC
From: qrp_1@juno.com
Topic: 3824 Message: 3825

First, how long will the coax run be ? If it isn't too terribly long - 100' or less, than any regular 50 ohm coax will do, but using 75 ohm coax is perfectly ok - 75 ohms only equates to a mismatch of 1.5:1 swr which is no big deal. Using hardline is a good idea if you need to run several hundred feet, but is overkill on short runs.

73
Rick
KC8AON

Domain Registration - Click Here
http://thirdpartyoffers.juno.com/TGL2121/fc/Ioyw6i3nAo6jEZ2RLcSCOQDcsobjCRPgeYoe6o12fFy6BF2YnfOJSI/

3826. semi portable

Yahoo group: ham-antennas (2008)
Date: 2008-01-22 15:03:56 UTC
From: green_reaper98
Topic: 3826 Message: 3826

New to home brew antennas, I'm looking for a compact, semi portable design for a 40 meter antenna. All ideas welcome!!
Mike, AE5CT

3827. RE: [ham-antennas] semi portable

Yahoo group: ham-antennas (2008)
Date: 2008-01-22 15:12:07 UTC
From: James M.(Jim) Geidl
Topic: 3826 Message: 3827

Take a look at a Buddipole.

Jim, K6JMG
//

> Subject: [ham-antennas] semi portable
>
> New to home brew antennas, I'm looking for a compact, semi
> portable design for a 40 meter antenna. All ideas welcome!!
> Mike, AE5CT
>
>
>
> HAM ANTENNAS Anything and everything, tell us or ask
> questions. Replies go to ALL 974 members (as of 11/07/07, and
> attachments are NOT permitted.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com

3828. Re: [ham-antennas] semi portable

Yahoo group: ham-antennas (2008)
Date: 2008-01-22 15:10:28 UTC
From: qrp_1@juno.com
Topic: 3826 Message: 3828

New to home brew antennas, I'm looking for a compact, semi portable
design for a 40 meter antenna. All ideas welcome!!
[snip]

Get yourself a 31' telescopic fiberglas pole from Jackite - www.jackite.com and enough wire to make a resonant quarter wave vertical for 40 meters and at least 4 quater wave radials. Use the pole to support the wire vertical and spread the radials out on the ground around it like spokes on a wheel - more radials are better. You can also use this arrangement with an autotuner such as the SGC-237, Icom ah-4 etc for 10 thru 80 meter coverage - works great !

Rick
KC8AON

_____
Registering your trademark has never been easier or more affordable. Click now!
http://thirdpartyoffers.juno.com/TGL2121/fc/Ioyw6i3mfKP1mYgemPS8G1IbQ15apO5F2jiFBmbjx1JyJULDN2TmZa/

3829. Re: [ham-antennas] 75 ohm feedline

Yahoo group: ham-antennas (2008)
Date: 2008-01-22 16:46:31 UTC
From: N9WB
Topic: 3824 Message: 3829

I have used 75 ohm hard line off and on for repeaters. It is available as scraps from cable TV installations. I have used numerous methods of transforming impedance and have concluded that less loss occurs just to pretend that it is 50 ohm and forget about the mismatch. If the antenna is adjustable, antenna adjustments can sometimes be made so the overall network exhibits close to 50 ohm at the transmitter if this is necessary. A 75 to 50 ohm mismatch is very small. Also, the line length can be adjusted to present a 50 ohm match at the transmitter if the antenna is 50 ohms. This can be done by cut and try or the line can be cut to exact multiples of 1/2 wave. This is done using the formula 492/F(MHz) X line velocity factor. This gets very critical at VHF and particularly UHF frequencies.

When a line is exactly a multiple of 1/2 wave, it presents exactly the terminating impedance at the feedpoint regardless of it's own characteristic impedance. It will have increased loss if the line to load mismatch is high, but a 1.5 to 1 is not high.

If you are patient and your transmitter if more picky than most, the line can be run with excess length and then shortened by an inch at a time until a good match to the transmitter is achieved. But again, most transmitters will feed into whatever is there just fine with a 75 ohm line on a 50 ohm antenna.

I would avoid using RG 11 for lengths over 100 ft on VHF and for lengths over 25 ft on UHF. For HF, RG 11 or any 75 ohm cable will work fine, particularly for dipole type antennas. They usually have an impedance of between 50 and 75 ohms anyway. The theoretical impedance of a dipole is 75 ohms but when near the ground (1 wave or less high) or in an inverted vee fashion the impedance lowers.

Most HF verticals have an impedance of 35 to 50 ohms so the mismatch is a bit greater when using 75 ohm line with these. Most UHF and VHF vertical antennas have a matching system to place the impedance at 50 ohms so this problem does not apply there. If the matching system is adjustable such as on a Ringo ranger or a beam with a gamma match the match can sometimes be nudged for 75 ohms.

My thinking is that 75 ohm hard line will present less loss than RG-8 over long lengths in spite of the slight mismatch.

Vy 73, Walt N9WB

----- Original Message -----
From: kb3ccn
To: ham-antennas@yahoogroups.com
Sent: Monday, January 21, 2008 11:56 PM
Subject: [ham-antennas] 75 ohm feedline

ive been searching for all the information i can find on this topic . I would like to use .625 hardline for my vhf/uhf antennas or even QR320 or RG11U . If i adapt the connector or find a 75 ohm connector for this typ of application, will i still be safe with operating my rigs ?

does anyone make a conector for any of the above or do i have to fabricate them my self ..

Thanks

Keith
N3QAM

No virus found in this incoming message.
Checked by AVG Free Edition.
Version: 7.5.516 / Virus Database: 269.19.9/1237 - Release Date: 1/22/2008 11:04 AM

3830. Re: [ham-antennas] 75 ohm feedline

Yahoo group: ham-antennas (2008)
Date: 2008-01-22 17:10:07 UTC
From: N0ATH
Topic: 3824 Message: 3830

Hello Keith - I misplaced your email and had trouble getting back to you
as I was looking for one callsign and it was under another. Hi, No problem.
I just read Walt's note back to you and wanted to share a couple of simple
thoughts with you also, Many years ago I installed ?" 75 ohm line on a set
of 19 element Boomers stacked at around 85 feet - I was replacing superflex
RG-8 - the gain was tremendous on 2 meters on a run of about 125' and it also
dropped the noise level on the receiver (I can't explain) other than the signal
to noise ratio was dramatically improved -
Some years later I made some transformers for a neighboring repeater group,
I got a couple of connectors from the cable company that fit there cable
(of course) on one end and the other end had the exact thread as a PL-259.
The center pin was only about 3/32"diameter so I used a double male DM-1
(splice connector) and drilled the center pin for the 3/32"wire. It
would screw together perfectly and simply solder the center pin. Worked great
and looked good - Best of luck with yours and you will be very happy with the
results I think - Vy 73 de N?ATH / Dave

----- Original Message -----
From: "kb3ccn" <n3qam@...>
To: <ham-antennas@yahoogroups.com>
Sent: Monday, January 21, 2008 10:56 PM
Subject: [ham-antennas] 75 ohm feedline

ive been searching for all the information i can find on this topic . I
would like to use .625 hardline for my vhf/uhf antennas or even QR320
or RG11U . If i adapt the connector or find a 75 ohm connector for
this typ of application, will i still be safe with operating my rigs ?

does anyone make a conector for any of the above or do i have to
fabricate them my self ..

Thanks

Keith
N3QAM

3831. Re: Grounding

Yahoo group: ham-antennas (2008)
Date: 2008-01-22 18:32:08 UTC
From: Jim
Topic: 3726 Message: 3831

I don't know anyone in the business and I wasn't having any luck trying to figure out where to rent one. But I did some reading and I'm thinking I could either design one or, use a voltmeter and separate ammeter in conjunction with a constant current source with a variable frequency squarewave. The frequency, as opposed to DC will be required to account for inductance.

The test equipment would have three test leads. The common point is on the ground rod that's part of the grounding system. The two other points you would drive two test rods in a foot deep, located at specific distances from the ground rod, in-line; I still don't know exactly what those distances are. You then send a known current through the ground rod to the farthest test rod and you read the voltage drop across the ground rod and the other test rod. The rest is Ohm's law calcualtions,ut I'm sure they won't be simple...but then, what is?

I think that's how it works but I'm still reading.

Jim

--- In ham-antennas@yahoogroups.com, Stan Kozlowitz <aa5xo@...> wrote:
>
> I understand they are expensive, but one could borrow one or rent one. You could even buy one and check all the hams grounding systems (for a fee, of course.
>
> If you value your house and radios, wouldn't you try to get your hands on one. I bet a lot of hams who think they have a good ground, don't.
>
> I don't have a ground system, but if I had a house with a tower, I would get real friendly with someone, or some company, who has a ground resistance meter. Especially if I had that $10,000 radio!
>
> Stan AA5XO
>
>
>
> Jim <jimemack2000@...> wrote:
> I built a Lightning Detector that is tuned to about 300kHz, but
> lightning is broadband in a sense.
>
> Ground resistance meters are very costly - over $1,000.00
>

> --- In ham-antennas@yahoogroups.com, Stan Kozlowitz <aa5xo@> wrote:
> >
> > Frequency is always an issue, or at least should be considered,
> when talking about impedance. But it may be that the frequencies
are
> so low that it is not a problem.
> >
> > Noone is talking about MEASURING the ground resistance with a
> ground resistance meter. Is this just not done in the amateur
> community???
> >
> > Someone, please answer.
> >
> > And 73,
> > Stan AA5XO
> >
> >
> > Jim <jimemack2000@> wrote:
> > The trick is to keep impedance as low as possible, so
> frequency is
> > not an issue. you do that by using wide, flat ribbon, instead of
> > wire, to bong the rods and also to bond the system to the power
> > company ground. Flat ribbon presents almost no impedance.
> > Therefore, the "path of least resistance" rule kicks in.
> >
> > Jim
> >
> > --- In ham-antennas@yahoogroups.com, Stan Kozlowitz <aa5xo@>
wrote:
> > >
> > > That is true at only certain frequencies (low frequencies). All
> > wires have inductive reactance and exhibit some capacitance to
> > ground. So the higher the frequency, the greater the reactance.
At
> > some point, what you think is a low impedance to ground, really
> isn't
> > a low impedance at all. I guess the big question is ...What
> > frequencies are involved with lightning?
> > >
> > > 73
> > > Stan AA5XO
> > >
> > >
> > > Dennis <huckfinn1963@> wrote:
> > >
> > >
> >
> >
> >
> >

> >
> >
> > ---
> > Be a better friend, newshound, and know-it-all with Yahoo!
Mobile.
> Try it now.
> >
> > [Non-text portions of this message have been removed]
> >
>
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>
>
>
> ---
> Be a better friend, newshound, and know-it-all with Yahoo! Mobile.
Try it now.
>
> [Non-text portions of this message have been removed]
>

3832. Re: Thrust Bearings

Yahoo group: ham-antennas (2008)
Date: 2008-01-22 20:21:46 UTC
From: co_farmer
Topic: 3814 Message: 3832

The top plate of your tower section probably has holes set for inch measurements. The Yeasu will have holes based on Metric dimensions so you will have to drill some holes, or perhaps just move them a little. I had to drill new holes to fit a Japanese made rotator and thrust bearing I got a few years ago.

Paul, KD7HB

--- In ham-antennas@yahoogroups.com, "NS5B" <NS5B@...> wrote:
>
> Have my antenna ready, but had a question whether I needed a thrust bearing
> or not.
>
>
>
> The antenna itself is a 7 element tri-bander, and weighs about 58lbs. I'm
> mounting it to a 15ft mast that is 2.0" galvanized pipe. (Not sure of the
> weight of that) The rotor is an old HD-73. I refurnished it and it works
> great, but I'm not sure if it can handle the heavy downward pressure of the
> antenna AND the mast, and turn efficiently.
>
>
>
> Would you not worry about it, take my chances, and run it as it is, or add a
> thrust bearing? The top of the tower has the tapered section with the mast
> "sleeve", but I do have another mid-section as well.
>
>
>
> If I need a thrust bearing, should I add a ROHN BPL25G Bearing Plate, or use
> a ROHN BAS25G Accessory Shelf?? Both look a lot alike, except one is TWICE
> the price.
>
>
>
> I have a plate to mount the rotor to, but have nothing for the thrust

> bearing.
>
>
>
> Also, what thrust bearing should I use? I've seen several types from
ROHN to
> Yaesu.
>
>
>
> Suggestions??
>
>
>
> [Non-text portions of this message have been removed]
>

3833. long coax lengths

Yahoo group: ham-antennas (2008)
Date: 2008-01-22 22:49:45 UTC
From: ve3diz
Topic: 3833 Message: 3833

I hear about a lot of people using 450ohm to run up the towers (held away from the tower) on hf because it has lower loss than coax. On that thought, is it possible to use 450ohm ladder line for vhf? Would it work better than coax feeding a 2m antenna on a 100 foot tower or would it be best to use a higher grade coax. I'm just thinking that if it would work for vhf it would be considerably cheaper than coax. Any thoughts?
Matt, VE3DIZ

3834. Re: 75 ohm feedline

Yahoo group: ham-antennas (2008)
Date: 2008-01-22 23:22:23 UTC
From: kb3ccn
Topic: 3824 Message: 3834

Well being i work for a cable company, i have a truck full of just about anything , and if i need any lenght of feeder , it would not be an issue. Most of my work is all vhf/uhf anyway and may be about 50-60 feet when i get it installed at the new place . I dont want to sound cheap , but if i can make it work , why not use whats free , it will save me about 4-5 hundred bucks when i get everything up i want to and thats the price of new rig :) .

I will definetly experiment with some of this as i get time after my move next week .

Thanks all for the information.

just an FYI , the kb3ccn is the old call and should link to the new one on QRZ , its just going to be a PITA to re regiser for all my groups under the new call .
The new call fits my career field and this topic well :P

73
N3QAM

3835. Re: [ham-antennas] long coax lengths

Yahoo group: ham-antennas (2008)
Date: 2008-01-22 23:30:42 UTC
From: QRP_1@juno.com
Topic: 3833 Message: 3835

I hear about a lot of people using 450ohm to run up the towers (held away from the tower) on hf because it has lower loss than coax. On that thought, is it possible to use 450ohm ladder line for vhf? Would it work better than coax feeding a 2m antenna on a 100 foot tower or would it be best to use a higher grade coax. I'm just thinking that if it would work for vhf it would be considerably cheaper than coax. Any thoughts? [snip]

Matt,
No reason that 450 ohm line wouldn't work on 2 meters, but you would need a balun at both ends to convert it to 50 ohms. Ideally you would need 9:1 baluns to convert the impedance from 450 to 50, or 6:1 baluns to convert it to 75 ohms which would be close enough. Basically you need to convert the 50 ohms from the radio to something close to 450 ohms, then another balun at the antenna to convert the 450 ohms back to 50 ohms to match the antenna. But then you could design a high impedance antenna I guess that was 450 ohms and direct feed it with 450 ohm line and eliminate one balun needed. You could build a beam antenna for 2 meters that uses a folded dipole type driven element that comes to around 300 ohms and feed it with 300 ohm transmitting line, then use a 6:1 or 4:1 balun at the radio to convert it to low impedance at the radio. This all sounds kind of complicated but really isn't. But unless you have a really long run of feedline, its really not worth the effort. Lots of old timers used balanced feedline on 2 meters and 440, so you might want to checkout some of the older handbooks for antenna designs for the balanced feedlines.

Rick McKee, KC8AON, Ohio - www.angelfire.com/electronic2/qrp
Monthly QRP Field Day Group - http://groups.yahoo.com/group/MQFD/
With God all things are possible <><

3836. Re: [ham-antennas] Re: My inadvertent NVIS test

Yahoo group: ham-antennas (2008)
Date: 2008-01-23 00:25:35 UTC
From: The Kendricks
Topic: 3817 Message: 3836

For those that are interested, the June 2002 issue of QST has a good article about NVIS (Near Verticle Incidence Skywave) propogation.

I didn't intentionally plan to set up my antenna that way, but I don't think I'll be without it.

Jason
KCØMFW

[Non-text portions of this message have been removed]

3837. Re: [ham-antennas] Re: 75 ohm feedline

Yahoo group: ham-antennas (2008)
Date: 2008-01-23 00:46:21 UTC
From: danny garvin
Topic: 3824 Message: 3837

N3QAM is that 64 or 256? :)

Danny Garvin
WB9RIM
Headend Tech
Insight Communications

----- Original Message ----
From: kb3ccn <n3qam@...>
To: ham-antennas@yahoogroups.com
Sent: Tuesday, January 22, 2008 5:22:23 PM
Subject: [ham-antennas] Re: 75 ohm feedline

Well being i work for a cable company, i have a truck full of just about anything , and if i need any lenght of feeder , it would not be an issue. Most of my work is all vhf/uhf anyway and may be about 50-60 feet when i get it installed at the new place . I dont want to sound cheap , but if i can make it work , why not use whats free , it will save me about 4-5 hundred bucks when i get everything up i want to and thats the price of new rig :) .

I will definetly experiment with some of this as i get time after my move next week .

Thanks all for the information.

just an FYI , the kb3ccn is the old call and should link to the new one on QRZ , its just going to be a PITA to re regiser for all my groups under the new call .
The new call fits my career field and this topic well :P

73
N3QAM

[Non-text portions of this message have been removed]

3838. Re: 75 ohm feedline

Yahoo group: ham-antennas (2008)
Date: 2008-01-23 01:11:26 UTC
From: kb3ccn
Topic: 3824 Message: 3838

that would be 256 sir :p

--- In ham-antennas@yahoogroups.com, danny garvin <grailknight_2@...>
wrote:
>
> N3QAM is that 64 or 256? :)
>
> Danny Garvin
> WB9RIM
> Headend Tech
> Insight Communications
>
>
> ----- Original Message ----
> From: kb3ccn <n3qam@...>
> To: ham-antennas@yahoogroups.com
> Sent: Tuesday, January 22, 2008 5:22:23 PM
> Subject: [ham-antennas] Re: 75 ohm feedline
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> Well being i work for a cable company, i have a truck full of just
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> The new call fits my career field and this topic well :P
>
> 73
> N3QAM
>
>
>
>

> [Non-text portions of this message have been removed]
>

3839. Re: Grounding

Yahoo group: ham-antennas (2008)
Date: 2008-01-23 14:15:48 UTC
From: Jim
Topic: 3726 Message: 3839

Wow! After extensive reading, I've determined that most recommendations for a complete, reliable grounding system are not only impractical for the average ham, but prohibitively expensive as well.

But my findings also suggest a more economical and practical solution might not be a guarantee against damage from a direct hit, but if care is taken, the risk becomes manageable. Not to mention, it can make a good RF ground.

My final design consists of 324 feet of 2" copper strapping, .022" thick, exothermically bonded to eight 5/8" x 8' ground rods and the power company ground. The total cost for all meaterial is almost $700.00 and another $300.00 for an Oxy-Acetyline welder, if I can't rent one.

The layout is in the shape of a hexigon, with one point coming out of it, similar to a single point of a star. My task will be to lower the resistance and impedance to below 5 ohms.

Thanks to all who have contributed to this thread - I really do appreciate the input.

Jim
W2JEM

--- In ham-antennas@yahoogroups.com, "Jim" <jimemack2000@...> wrote:
>
> I don't know anyone in the business and I wasn't having any luck
> trying to figure out where to rent one. But I did some reading and
> I'm thinking I could either design one or, use a voltmeter and
> separate ammeter in conjunction with a constant current source with
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> variable frequency squarewave. The frequency, as opposed to DC
will
> be required to account for inductance.
>
> The test equipment would have three test leads. The common point
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> on the ground rod that's part of the grounding system. The two
other
> points you would drive two test rods in a foot deep, located at
> specific distances from the ground rod, in-line; I still don't know
> exactly what those distances are. You then send a known current
> through the ground rod to the farthest test rod and you read the
> voltage drop across the ground rod and the other test rod. The

rest
> is Ohm's law calcualtions,ut I'm sure they won't be simple...but
> then, what is?
>
> I think that's how it works but I'm still reading.
>
> Jim
>
> --- In ham-antennas@yahoogroups.com, Stan Kozlowitz <aa5xo@> wrote:
> >
> > I understand they are expensive, but one could borrow one or rent
> one. You could even buy one and check all the hams grounding
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> (for a fee, of course.
> >
> > If you value your house and radios, wouldn't you try to get
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> hands on one. I bet a lot of hams who think they have a good
ground,
> don't.
> >
> > I don't have a ground system, but if I had a house with a
tower,
> I would get real friendly with someone, or some company, who has a
> ground resistance meter. Especially if I had that $10,000 radio!
> >
> > Stan AA5XO
> >
> >
> >
> > Jim <jimemack2000@> wrote:
> > I built a Lightning Detector that is tuned to about
> 300kHz, but
> > lightning is broadband in a sense.
> >
> > Ground resistance meters are very costly - over $1,000.00
> >
> > --- In ham-antennas@yahoogroups.com, Stan Kozlowitz <aa5xo@>
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> > >
> > > Frequency is always an issue, or at least should be considered,
> > when talking about impedance. But it may be that the frequencies
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> > so low that it is not a problem.
> > >
> > > Noone is talking about MEASURING the ground resistance with a
> > ground resistance meter. Is this just not done in the amateur
> > community???
> > >
> > > Someone, please answer.

> > >
> > > And 73,
> > > Stan AA5XO
> > >
> > >
> > > Jim <jimemack2000@> wrote:
> > > The trick is to keep impedance as low as possible, so
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of
> > > wire, to bong the rods and also to bond the system to the power
> > > company ground. Flat ribbon presents almost no impedance.
> > > Therefore, the "path of least resistance" rule kicks in.
> > >
> > > Jim
> > >
> > > --- In ham-antennas@yahoogroups.com, Stan Kozlowitz <aa5xo@>
> wrote:
> > > >
> > > > That is true at only certain frequencies (low frequencies).
All
> > > wires have inductive reactance and exhibit some capacitance to
> > > ground. So the higher the frequency, the greater the reactance.
> At
> > > some point, what you think is a low impedance to ground, really
> > isn't
> > > a low impedance at all. I guess the big question is ...What
> > > frequencies are involved with lightning?
> > > >
> > > > 73
> > > > Stan AA5XO
> > > >
> > > >
> > > > Dennis <huckfinn1963@> wrote:
> > > >
> > > >
> > >
> > >
> > >
> > >
> > >
> > >
> > > ----------
> > > Be a better friend, newshound, and know-it-all with Yahoo!
> Mobile.
> > Try it now.
> > >
> > > [Non-text portions of this message have been removed]
> > >
> >

> >
> >
> >
> >
> >
> > ----------
> > Be a better friend, newshound, and know-it-all with Yahoo!
Mobile.
> Try it now.
> >
> > [Non-text portions of this message have been removed]
> >
>

3840. Re: semi portable

Yahoo group: ham-antennas (2008)
Date: 2008-01-23 21:17:21 UTC
From: David Harvey
Topic: 3826 Message: 3840

> New to home brew antennas, I'm looking for a compact, semi portable
> design for a 40 meter antenna. All ideas welcome! Mike, AE5CT
>
You could also look at the Ozipole, which is the Aussie remake of the
Buddipole! I've just finished building mine yesterday. :-)

http://www.mncarg.org
http://www.timroberts-vk4yeh.id.au/ozipole_construction.htm

What's more, there are two Yahoo Groups about the Buddipole and the
Ozipole:
http://groups.yahoo.com/group/Buddipole/
http://groups.yahoo.com/group/Ozi-pole/

Now I'm not suggesting you especially buy one from Australia, but the
new Ozi (Aussie) design and the established Buddipole (BIG site)
should stimulate the brain cells as far as portable HF ideas go ...
And who knows what you/we all could come up with. :-)

73 de David, vk2dmh

3841. Support rope for wire antennas

Yahoo group: ham-antennas (2008)
Date: 2008-01-24 14:53:17 UTC
From: lecontejoe
Topic: 3841 Message: 3841

Several years ago I purchased two 100-foot lengths of 3/16-in Dacron rope -- as I recall I got it from Radio Works. Since purchasing this rope I've moved four times, including being forced to move by Katrina, and I've used this rope in every place to support a 135-foot, center-fed dipole.

I'm getting ready to put up a couple of wire antennas and need more rope.

I see that Radio Works is advertising Kevlar rope in two diameters:
-- .075 inch, 500 pound test
-- 1/8 inch, 750 pound test

RW's website says the Kevlar rope has a Dacron outer braid to protect it from UV.

RW is still selling the Dacron rope that I am using now.

Anyone have experience with this Kevlar rope?

I was planning to but several hundred feet of the 3/16 Dacron because I've had such good luck with what I have but was wondering about the Kevlar.

Thanks.

3842. Re: [ham-antennas] Support rope for wire antennas

Yahoo group: ham-antennas (2008)
Date: 2008-01-24 15:13:54 UTC
From: w4ddr@comcast.net
Topic: 3841 Message: 3842

I do not have experience with this particular rope, but you might want to take a look at what DX Engineering sells. I have used their product and find it to be very good. It comes in various diameters and either 100 or 500 ft. rolls.

Here are links to a sample of it:

http://www.dxengineering.com/Parts.asp?ID=284&PLID=114&SecID=77&DeptID=40&PartNo=STI-DBR-125-100

http://www.dxengineering.com/Parts.asp?ID=282&PLID=114&SecID=133&DeptID=40&PartNo=STI-DBR-187-100

--
David Ratledge
W4DDR

---------- Original message ----------
From: "lecontejoe" <joe@...>
> Several years ago I purchased two 100-foot lengths of 3/16-in Dacron
> rope -- as I recall I got it from Radio Works. Since purchasing this
> rope I've moved four times, including being forced to move by
> Katrina, and I've used this rope in every place to support a 135-
> foot, center-fed dipole.
>
> I'm getting ready to put up a couple of wire antennas and need more
> rope.
>
> I see that Radio Works is advertising Kevlar rope in two diameters:
> -- .075 inch, 500 pound test
> -- 1/8 inch, 750 pound test
>
> RW's website says the Kevlar rope has a Dacron outer braid to protect
> it from UV.
>
> RW is still selling the Dacron rope that I am using now.
>
> Anyone have experience with this Kevlar rope?
>
> I was planning to but several hundred feet of the 3/16 Dacron because
> I've had such good luck with what I have but was wondering about the
> Kevlar.
>
> Thanks.
>
>

[Non-text portions of this message have been removed]

3843. Re: Support rope for wire antennas

Yahoo group: ham-antennas (2008)
Date: 2008-01-24 16:55:47 UTC
From: t_ashland
Topic: 3841 Message: 3843

I've used the kevlar rope (the small diameter stuff) from Radio Works
and it is good stuff. I wouldn't hesitate to recommend it for antenna
support rope. Mine was an olive color and blended in well into the trees.
73,
Terry, W0ZS

--- In ham-antennas@yahoogroups.com, "lecontejoe" <joe@...> wrote:
>
> Several years ago I purchased two 100-foot lengths of 3/16-in Dacron
> rope -- as I recall I got it from Radio Works. Since purchasing this
> rope I've moved four times, including being forced to move by
> Katrina, and I've used this rope in every place to support a 135-
> foot, center-fed dipole.
>
> I'm getting ready to put up a couple of wire antennas and need more
> rope.
>
> I see that Radio Works is advertising Kevlar rope in two diameters:
> -- .075 inch, 500 pound test
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>
> RW's website says the Kevlar rope has a Dacron outer braid to protect
> it from UV.
>
> RW is still selling the Dacron rope that I am using now.
>
> Anyone have experience with this Kevlar rope?
>
> I was planning to but several hundred feet of the 3/16 Dacron because
> I've had such good luck with what I have but was wondering about the
> Kevlar.
>
> Thanks.
>

3844. Re: [ham-antennas] Re: Thrust Bearings

Yahoo group: ham-antennas (2008)
Date: 2008-01-24 16:57:45 UTC
From: NS5B@comcast.net
Topic: 3814 Message: 3844

The only plate I have right now is the one that the rotor mounts to, and its at the bottom of my "top section". I thought about getting another "accessory" plate like the one that the rotor is mounted to, and mount it at the top, then mount the bearing there (if it could hold the weight and not bend)....then someone mentioned maybe using an actual thrust bearing plate like the ones I mentioned below. The accessory plate would be a LOT cheaper. They run about $50-$60, whereas the thrust bearing plate runs from $129-$159.

Just wanted to ask and see what others used. I appreciate all of the replys on this.

Steve, NS5B

---------- Original message ----------
From: "co_farmer" <co_farmer@...>
The top plate of your tower section probably has holes set for inch measurements. The Yeasu will have holes based on Metric dimensions so you will have to drill some holes, or perhaps just move them a little. I had to drill new holes to fit a Japanese made rotator and thrust bearing I got a few years ago.

Paul, KD7HB

--- In ham-antennas@yahoogroups.com, "NS5B" <NS5B@...> wrote:
>
> Have my antenna ready, but had a question whether I needed a thrust bearing
> or not.
>
>
>
> The antenna itself is a 7 element tri-bander, and weighs about 58lbs. I'm
> mounting it to a 15ft mast that is 2.0" galvanized pipe. (Not sure of the
> weight of that) The rotor is an old HD-73. I refurnished it and it works
> great, but I'm not sure if it can handle the heavy downward pressure of the
> antenna AND the mast, and turn efficiently.
>
>
>
> Would you not worry about it, take my chances, and run it as it is, or add a
> thrust bearing? The top of the tower has the tapered section with the mast
> "sleeve", but I do have another mid-section as well.

>
>
>
> If I need a thrust bearing, should I add a ROHN BPL25G Bearing
Plate, or use
> a ROHN BAS25G Accessory Shelf?? Both look a lot alike, except one is
TWICE
> the price.
>
>
>
> I have a plate to mount the rotor to, but have nothing for the thrust
> bearing.
>
>
>
> Also, what thrust bearing should I use? I've seen several types from
ROHN to
> Yaesu.
>
>
>
> Suggestions??
>
>
>
> [Non-text portions of this message have been removed]
>

[Non-text portions of this message have been removed]

3845. Re: [ham-antennas] Support rope for wire antennas

Yahoo group: ham-antennas (2008)
Date: 2008-01-24 18:33:23 UTC
From: Bill Hall
Topic: 3841 Message: 3845

I have used the .075 to support a 66' OCF dipole for about 10 years. No problems, even with a couple of ice storms.

73's
Bill KZ5CW

----- Original Message ----
From: lecontejoe <joe@...>
To: ham-antennas@yahoogroups.com
Sent: Thursday, January 24, 2008 8:53:17 AM
Subject: [ham-antennas] Support rope for wire antennas

Several years ago I purchased two 100-foot lengths of 3/16-in Dacron rope -- as I recall I got it from Radio Works. Since purchasing this rope I've moved four times, including being forced to move by Katrina, and I've used this rope in every place to support a 135-foot, center-fed dipole.

I'm getting ready to put up a couple of wire antennas and need more rope.

I see that Radio Works is advertising Kevlar rope in two diameters:
-- .075 inch, 500 pound test
-- 1/8 inch, 750 pound test

RW's website says the Kevlar rope has a Dacron outer braid to protect it from UV.

RW is still selling the Dacron rope that I am using now.

Anyone have experience with this Kevlar rope?

I was planning to but several hundred feet of the 3/16 Dacron because I've had such good luck with what I have but was wondering about the Kevlar.

Thanks.

[Non-text portions of this message have been removed]

3846. Re: [ham-antennas] Re: Thrust Bearings

Yahoo group: ham-antennas (2008)
Date: 2008-01-24 19:43:24 UTC
From: N0ATH
Topic: 3814 Message: 3846

FWIW, I am using a rotor plate with a bearing mounted to it for over 30 years here with no problems. I hasten to add, I have had rotor problems in years past until we left the bearing loose on the pipe so that the weight sits on the rotor. With the weight lifted or supported off the rotor (Hygain) the indicator was very erratic. Letting it float in the bearing solved this problem. Just my experience. I am still today using this same setup with no failures ever. Also, just for comment, I have a ?" diameter copper cable attached to the mast and running down the tower 80 feet to ground. Tied off at each tower section - I'm paranoid about static building up on my antennas and the mast is sitting in greasy ball bearings, Right? That leaves the only true ground following the coax shield straight to my prized rig.
Dave / N?ATH Vy 73

----- Original Message -----
From: <NS5B@...>
To: <ham-antennas@yahoogroups.com>
Sent: Thursday, January 24, 2008 10:57 AM
Subject: Re: [ham-antennas] Re: Thrust Bearings

The only plate I have right now is the one that the rotor mounts to, and its at the bottom of my "top
section". I thought about getting another "accessory" plate like the one that the rotor is mounted to, and
mount it at the top, then mount the bearing there (if it could hold the weight and not bend)....then someone
mentioned maybe using an actual thrust bearing plate like the ones I mentioned below. The accessory plate
would be a LOT cheaper. They run about $50-$60, whereas the thrust bearing plate runs from $129-$159.

Just wanted to ask and see what others used. I appreciate all of the replys on this.

Steve, NS5B

---------- Original message ----------
From: "co_farmer" <co_farmer@...>
The top plate of your tower section probably has holes set for inch
measurements. The Yeasu will have holes based on Metric dimensions so
you will have to drill some holes, or perhaps just move them a little.
I had to drill new holes to fit a Japanese made rotator and thrust
bearing I got a few years ago.

Paul, KD7HB

--- In ham-antennas@yahoogroups.com, "NS5B" <NS5B@...> wrote:
>
> Have my antenna ready, but had a question whether I needed a thrust
bearing

> or not.
>
>
>
> The antenna itself is a 7 element tri-bander, and weighs about
58lbs. I'm
> mounting it to a 15ft mast that is 2.0" galvanized pipe. (Not sure
of the
> weight of that) The rotor is an old HD-73. I refurnished it and it
works
> great, but I'm not sure if it can handle the heavy downward pressure
of the
> antenna AND the mast, and turn efficiently.
>
>
>
> Would you not worry about it, take my chances, and run it as it is,
or add a
> thrust bearing? The top of the tower has the tapered section with
the mast
> "sleeve", but I do have another mid-section as well.
>
>
>
> If I need a thrust bearing, should I add a ROHN BPL25G Bearing
Plate, or use
> a ROHN BAS25G Accessory Shelf?? Both look a lot alike, except one is
TWICE
> the price.
>
>
>
> I have a plate to mount the rotor to, but have nothing for the thrust
> bearing.
>
>
>
> Also, what thrust bearing should I use? I've seen several types from
ROHN to
> Yaesu.
>
>
>
> Suggestions??
>
>
>
> [Non-text portions of this message have been removed]
>

[Non-text portions of this message have been removed]

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 974 members (as of 11/07/07,
and attachments are NOT permitted.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com

Yahoo! Groups Links

3847. Re: Support rope for wire antennas

Yahoo group: ham-antennas (2008)
Date: 2008-01-24 20:43:01 UTC
From: Dave
Topic: 3841 Message: 3847

The black Dacron-covered rope is manufactured by "Synthetic Textiles Inc" and is sold by many ham radio dealers. When I went to get my spool of it I shopped for price. At the time, the best deal came from The Wireman.

I used the 3/16" stuff (770 pound rated) to guy a 50 foot telescoping mast. It stretched a trace the first month, I snugged it up, and then it never needed any more attention for five years. I only pulled it all down when I sold that house and moved.

Dave W8NF

--- In ham-antennas@yahoogroups.com, w4ddr@... wrote:
>
> I do not have experience with this particular rope, but you might want to take a look at what DX Engineering sells. I have used their product and find it to be very good. It comes in various diameters and either 100 or 500 ft. rolls.
>
> Here are links to a sample of it:
>
>
http://www.dxengineering.com/Parts.asp?ID=284&PLID=114&SecID=77&DeptID=40&PartNo=STI-DBR-125-100
>
>
http://www.dxengineering.com/Parts.asp?ID=282&PLID=114&SecID=133&DeptID=40&PartNo=STI-DBR-187-100
>
> --
> David Ratledge
> W4DDR
>
> ---------- Original message ----------
> From: "lecontejoe" <joe@...>
> > Several years ago I purchased two 100-foot lengths of 3/16-in Dacron
> > rope -- as I recall I got it from Radio Works. Since purchasing this
> > rope I've moved four times, including being forced to move by
> > Katrina, and I've used this rope in every place to support a 135-
> > foot, center-fed dipole.
> >
> > I'm getting ready to put up a couple of wire antennas and need more
> > rope.
> >
> > I see that Radio Works is advertising Kevlar rope in two diameters:
> > -- .075 inch, 500 pound test

> > -- 1/8 inch, 750 pound test
> >
> > RW's website says the Kevlar rope has a Dacron outer braid to protect
> > it from UV.
> >
> > RW is still selling the Dacron rope that I am using now.
> >
> > Anyone have experience with this Kevlar rope?
> >
> > I was planning to but several hundred feet of the 3/16 Dacron because
> > I've had such good luck with what I have but was wondering about the
> > Kevlar.
> >
> > Thanks.
> >
> >
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

3848. coaxial collinear for 2M

Yahoo group: ham-antennas (2008)
Date: 2008-01-24 21:54:55 UTC
From: G B
Topic: 3848 Message: 3848

Hello,

Going to build a 8 section coaxial collinear antenna for 2M.

A fellow who I respect, told me most of the plans on the internet
were bad. He said only one site had it right. But, as you might guess,
time has passed and I cannot find my notes.

It was something about always an odd number of 1/2 wave sections, and then
a 1/4 wave whip on top, or something like that. The internet shows an even
number and a 1/4 wave on top.

Other guys who have done this mention that they installed ground radials 1/2
wave below the first solder joint for rf decoupling from the feed line.

Does any of this ring a bell with some old timers???

73's

Glen K4KV

3849. Re: [ham-antennas] coaxial collinear for 2M

Yahoo group: ham-antennas (2008)
Date: 2008-01-24 22:02:25 UTC
From: N0ATH
Topic: 3848 Message: 3849

Hello Glen - I will attempt to send you the info I have direct-
hope it comes thru OK - Dave N?ATH
My info shows 8 plus a quarter wave
Vy 73

----- Original Message -----
From: "G B" <microsys@...>
To: "ham antennas" <ham-antennas@yahoogroups.com>
Sent: Thursday, January 24, 2008 3:54 PM
Subject: [ham-antennas] coaxial collinear for 2M

Hello,

Going to build a 8 section coaxial collinear antenna for 2M.

A fellow who I respect, told me most of the plans on the internet
were bad. He said only one site had it right. But, as you might guess,
time has passed and I cannot find my notes.

It was something about always an odd number of 1/2 wave sections, and then
a 1/4 wave whip on top, or something like that. The internet shows an even
number and a 1/4 wave on top.

Other guys who have done this mention that they installed ground radials 1/2
wave below the first solder joint for rf decoupling from the feed line.

Does any of this ring a bell with some old timers???

73's

Glen K4KV

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Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com

Yahoo! Groups Links

3850. 2.m/70cm Vertical Bazooka question

Yahoo group: ham-antennas (2008)
Date: 2008-01-24 22:48:08 UTC
From: kdf9511
Topic: 3850 Message: 3850

In rummaging around the garage last night I came across a 15ft telescopic painters pole. I thought this would make a great portable mast for a light weight dual band antenna for my HT. I can run it up and get some height while relaxing in the lawn chair and can strap it to the side of my pack frame while hiking. It will also be nice for some ARES work.

Today I started searching around the web for a sturdy dual band antenna that doesn't require any ground plane and came across this one. http://www.hamuniverse.com/ve3vdc2mlittlestick.html It is an is an aluminium version of the Vertical Bazooka design which was made from coax. I saw this and thought it was exactly what I was looking for. I have used an antenna of this design for years on 11m, the Shakespear Big Stick, and loved it. As a matter of fact I will be moding that Big Stick for 10/12m when I get an HF rig.

My question is how well will this work on 70cm? It is scaled for 2m.

I have looked at the twin lead j-poles but have had bad luck in trying to build one of those. I can't find 300 ohm twin lead anywhere around here and just got fed up with them tring to use the older stuff I had in the cable box.

If this one won't work very well on 70cm does anyone have any other ideas execpt twin lead j-poles?

Thanks
Kerry
KE5OFO - Spring TX

3851. Re: Support rope for wire antennas

Yahoo group: ham-antennas (2008)
Date: 2008-01-25 01:27:43 UTC
From: lecontejoe
Topic: 3841 Message: 3851

--- In ham-antennas@yahoogroups.com, "Dave" <emailw8nf@...> wrote:
>
> The black Dacron-covered rope is manufactured by "Synthetic Textiles
> Inc" and is sold by many ham radio dealers. When I went to get my
> spool of it I shopped for price. At the time, the best deal came
from
> The Wireman.
>
> I used the 3/16" stuff (770 pound rated) to guy a 50 foot
telescoping
> mast. It stretched a trace the first month, I snugged it up, and
then
> it never needed any more attention for five years. I only pulled it
> all down when I sold that house and moved.
>
> Dave W8NF

Thanks -- just ordered 500 feet of the 3/16 Kevlar. Now to get it
over the tree limbs.

>
>
>
> --- In ham-antennas@yahoogroups.com, w4ddr@ wrote:
> >
> > I do not have experience with this particular rope, but you might
> want to take a look at what DX Engineering sells. I have used their
> product and find it to be very good. It comes in various diameters
and
> either 100 or 500 ft. rolls.
> >
> > Here are links to a sample of it:
> >
> >
> http://www.dxengineering.com/Parts.asp?
ID=284&PLID=114&SecID=77&DeptID=40&PartNo=STI-DBR-125-100
> >
> >
> http://www.dxengineering.com/Parts.asp?
ID=282&PLID=114&SecID=133&DeptID=40&PartNo=STI-DBR-187-100
> >
> > --
> > David Ratledge
> > W4DDR
> >

> > ---------- Original message ----------
> > From: "lecontejoe" <joe@>
> > > Several years ago I purchased two 100-foot lengths of 3/16-in
Dacron
> > > rope -- as I recall I got it from Radio Works. Since
purchasing this
> > > rope I've moved four times, including being forced to move by
> > > Katrina, and I've used this rope in every place to support a
135-
> > > foot, center-fed dipole.
> > >
> > > I'm getting ready to put up a couple of wire antennas and need
more
> > > rope.
> > >
> > > I see that Radio Works is advertising Kevlar rope in two
diameters:
> > > -- .075 inch, 500 pound test
> > > -- 1/8 inch, 750 pound test
> > >
> > > RW's website says the Kevlar rope has a Dacron outer braid to
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> > > it from UV.
> > >
> > > RW is still selling the Dacron rope that I am using now.
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> > > Anyone have experience with this Kevlar rope?
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> > > I was planning to but several hundred feet of the 3/16 Dacron
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> > > I've had such good luck with what I have but was wondering
about the
> > > Kevlar.
> > >
> > > Thanks.
> > >
> > >
> >
> >
> >
> >
> >
> > [Non-text portions of this message have been removed]
> >
>

3852. Re: coaxial collinear for 2M

Yahoo group: ham-antennas (2008)
Date: 2008-01-25 07:23:06 UTC
From: Dave
Topic: 3848 Message: 3852

Collinears with that large a number of elements are *VERY* tricky antennas. Particularly for the VHF bands, you have to get the dimensions exact or the beam will tilt radially upward or downward.

Build yourself an e-probe (a 2" long center-fed dipole soldered to the end of RG-58 coax), and make sure you have a two meter rig available with a REAL S-meter (not a bar graph). Or use any of the diode detector circuits published in the ARRL handbook, etc, and then connect to an analog DC voltmeter. Use that e-field probe to assure yourself that the primary radiation lobe aims horizontal...not up or down. If it's aiming up, you need to lengthen the phasing circuits/stubs. If it's aiming down, it's the other way around. A tenth of an inch makes quite a difference.

Collinears as homebrew antennas have not been popular for this reason - you generally cannot simply build it and have a good antenna. You always have to measure and adjust.

Dave W8NF

--- In ham-antennas@yahoogroups.com, "G B" <microsys@...> wrote:
>
> Hello,
>
> Going to build a 8 section coaxial collinear antenna for 2M.
>
> A fellow who I respect, told me most of the plans on the internet
> were bad. He said only one site had it right. But, as you might guess,
> time has passed and I cannot find my notes.
>
> It was something about always an odd number of 1/2 wave sections,
and then
> a 1/4 wave whip on top, or something like that. The internet shows
an even
> number and a 1/4 wave on top.
>
> Other guys who have done this mention that they installed ground
radials 1/2
> wave below the first solder joint for rf decoupling from the feed line.
>
> Does any of this ring a bell with some old timers???
>
> 73's
>
> Glen K4KV
>

3853. Re: [ham-antennas] Support rope for wire antennas

Yahoo group: ham-antennas (2008)
Date: 2008-01-25 09:57:45 UTC
From: N9WB
Topic: 3841 Message: 3853

I have used white nylon rope in the past. It dies after 1 to 2 years due to UV and breaks.
So this thread contains some very good advice.

Walt N9WB

----- Original Message -----
From: Bill Hall
To: ham-antennas@yahoogroups.com
Sent: Thursday, January 24, 2008 1:33 PM
Subject: Re: [ham-antennas] Support rope for wire antennas

I have used the .075 to support a 66' OCF dipole for about 10 years. No problems, even with a couple of ice storms.

73's
Bill KZ5CW

----- Original Message ----
From: lecontejoe <joe@...>
To: ham-antennas@yahoogroups.com
Sent: Thursday, January 24, 2008 8:53:17 AM
Subject: [ham-antennas] Support rope for wire antennas

Several years ago I purchased two 100-foot lengths of 3/16-in Dacron rope -- as I recall I got it from Radio Works. Since purchasing this rope I've moved four times, including being forced to move by Katrina, and I've used this rope in every place to support a 135-foot, center-fed dipole.

I'm getting ready to put up a couple of wire antennas and need more rope.

I see that Radio Works is advertising Kevlar rope in two diameters:
-- .075 inch, 500 pound test
-- 1/8 inch, 750 pound test

RW's website says the Kevlar rope has a Dacron outer braid to protect it from UV.

RW is still selling the Dacron rope that I am using now.

Anyone have experience with this Kevlar rope?

I was planning to but several hundred feet of the 3/16 Dacron because I've had such good luck with what I have but was wondering about the Kevlar.

Thanks.

[Non-text portions of this message have been removed]

No virus found in this incoming message.
Checked by AVG Free Edition.
Version: 7.5.516 / Virus Database: 269.19.10/1241 - Release Date: 1/24/2008
9:58 AM

3854. Re: [ham-antennas] Support rope for wire antennas

Yahoo group: ham-antennas (2008)
Date: 2008-01-25 10:10:07 UTC
From: Geoff Hegarty
Topic: 3841 Message: 3854

Buy your ropes and assoc. hardware at sailboat shops and you generally can't go wrong (except a bit in the wallet department).

Geoff VK2HQA

N9WB wrote:
>
> I have used white nylon rope in the past. It dies after 1 to 2 years
> due to
> UV and breaks.
> So this thread contains some very good advice.
>
> Walt N9WB
>
> ----- Original Message -----
> From: Bill Hall
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Sent: Thursday, January 24, 2008 1:33 PM
> Subject: Re: [ham-antennas] Support rope for wire antennas
>
> I have used the .075 to support a 66' OCF dipole for about 10 years. No
> problems, even with a couple of ice storms.
>
> 73's
> Bill KZ5CW
>
> ----- Original Message ----
> From: lecontejoe <joe@... <mailto:joe%40schlatter.org>>
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Sent: Thursday, January 24, 2008 8:53:17 AM
> Subject: [ham-antennas] Support rope for wire antennas
>
> Several years ago I purchased two 100-foot lengths of 3/16-in Dacron
> rope -- as I recall I got it from Radio Works. Since purchasing this
> rope I've moved four times, including being forced to move by
> Katrina, and I've used this rope in every place to support a 135-
> foot, center-fed dipole.
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> I'm getting ready to put up a couple of wire antennas and need more
> rope.
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> I see that Radio Works is advertising Kevlar rope in two diameters:
> -- .075 inch, 500 pound test
> -- 1/8 inch, 750 pound test
>

> RW's website says the Kevlar rope has a Dacron outer braid to protect
> it from UV.
>
> RW is still selling the Dacron rope that I am using now.
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> Anyone have experience with this Kevlar rope?
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> I was planning to but several hundred feet of the 3/16 Dacron because
> I've had such good luck with what I have but was wondering about the
> Kevlar.
>
> Thanks.
>
> [Non-text portions of this message have been removed]
>
> No virus found in this incoming message.
> Checked by AVG Free Edition.
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> 1/24/2008
> 9:58 AM
>
>

3855. Mast

Yahoo group: ham-antennas (2008)
Date: 2008-01-25 19:06:21 UTC
From: Jim
Topic: 1517 Message: 3855

Hi,

I'm putting up a vertical to expand the station's reception to 2GHz. I have a Discone and want to mount it on a mast and raise it against the house, fastened to the exterior, rather than taking a risky climb up 30' to the roof. I have some questions:

Is it advisable to use a metallic mast as opposed to a non-metallic mast? I was considering fabricating one from Home Depot PVC pipe. Another is the safety ground. I haven't found a lot of info on this. If I run a 2" wide length of copper strap from the base of the Discone straight to the lightning arrestor on the ground rod, will I be inviting any extra problems? There are tons of lighting/grounding articles out there, but none that I have found deal specificlly wih that and how that might change the requirements for the mast material.

I hope that all makes sense.

Thanks,
Jim
W2JEM

3856. Re: 2.m/70cm Vertical Bazooka question

Yahoo group: ham-antennas (2008)
Date: 2008-01-25 19:07:21 UTC
From: gadzooks.mike
Topic: 3850 Message: 3856

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------------------| |------------------
-------- --------| |-------- --------
| |
| |
| |
```

I'm using one like this made from 300 ohm twin-lead. The overall length is cut for 2 meters, the bottom line is "cut" to 70cm by just putting a small notch in the wire.

Unlike a folded dipole, however, do NOT connect the ends to each other.

I have one of these mounted vertically on a mast in my backyard, and it works great on both bands. I would think a version like that would work well for backpacking.

Good luck!
Mike - KI4TWB

--- In ham-antennas@yahoogroups.com, "kdf9511" <kdf9511@...> wrote:
>
> In rummaging around the garage last night I came across a 15ft
> telescopic painters pole. I thought this would make a great
> portable mast for a light weight dual band antenna for my HT. I
can
> run it up and get some height while relaxing in the lawn chair and
> can strap it to the side of my pack frame while hiking. It will
> also be nice for some ARES work.
>
> Today I started searching around the web for a sturdy dual band
> antenna that doesn't require any ground plane and came across this
> one. http://www.hamuniverse.com/ve3vdc2mlittlestick.html It is an
> is an aluminium version of the Vertical Bazooka design which was
> made from coax. I saw this and thought it was exactly what I was
> looking for. I have used an antenna of this design for years on
> 11m, the Shakespear Big Stick, and loved it. As a matter of fact I
> will be moding that Big Stick for 10/12m when I get an HF rig.
>
> My question is how well will this work on 70cm? It is scaled for
> 2m.
>
> I have looked at the twin lead j-poles but have had bad luck in
> trying to build one of those. I can't find 300 ohm twin lead
> anywhere around here and just got fed up with them tring to use the
> older stuff I had in the cable box.

>
> If this one won't work very well on 70cm does anyone have any other
> ideas execpt twin lead j-poles?
>
> Thanks
> Kerry
> KE5OFO - Spring TX
>

3857. Re: 2.m/70cm Vertical Bazooka question

Yahoo group: ham-antennas (2008)
Date: 2008-01-25 19:08:47 UTC
From: gadzooks.mike
Topic: 3850 Message: 3857

Ok, that doesn't look quite right after posting, but if you copy and
paste all that into a test editor using a fixed width font, it will
make more sense.

Sorry about that!

--- In ham-antennas@yahoogroups.com, "gadzooks.mike"
<gadzooks.mike@...> wrote:
>
> ------------------| |------------------
> -------- --------| |-------- --------
> | |
> | |
> | |
>
> I'm using one like this made from 300 ohm twin-lead. The overall
> length is cut for 2 meters, the bottom line is "cut" to 70cm by
just
> putting a small notch in the wire.
>
> Unlike a folded dipole, however, do NOT connect the ends to each
> other.
>
> I have one of these mounted vertically on a mast in my backyard,
and
> it works great on both bands. I would think a version like that
> would work well for backpacking.
>
> Good luck!
> Mike - KI4TWB
>
>
> --- In ham-antennas@yahoogroups.com, "kdf9511" <kdf9511@> wrote:
> >
> > In rummaging around the garage last night I came across a 15ft
> > telescopic painters pole. I thought this would make a great
> > portable mast for a light weight dual band antenna for my HT. I
> can
> > run it up and get some height while relaxing in the lawn chair
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> > can strap it to the side of my pack frame while hiking. It will
> > also be nice for some ARES work.
> >
> > Today I started searching around the web for a sturdy dual band
> > antenna that doesn't require any ground plane and came across

this
> > one. http://www.hamuniverse.com/ve3vdc2mlittlestick.html It is
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> > is an aluminium version of the Vertical Bazooka design which was
> > made from coax. I saw this and thought it was exactly what I was
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> > 11m, the Shakespear Big Stick, and loved it. As a matter of fact
I
> > will be moding that Big Stick for 10/12m when I get an HF rig.
> >
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> > 2m.
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> > I have looked at the twin lead j-poles but have had bad luck in
> > trying to build one of those. I can't find 300 ohm twin lead
> > anywhere around here and just got fed up with them tring to use
the
> > older stuff I had in the cable box.
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> > If this one won't work very well on 70cm does anyone have any
other
> > ideas execpt twin lead j-poles?
> >
> > Thanks
> > Kerry
> > KE5OFO - Spring TX
> >
>

3858. Re: [ham-antennas] Mast

Yahoo group: ham-antennas (2008)
Date: 2008-01-25 19:27:28 UTC
From: Wayne
Topic: 1517 Message: 3858

I used my discone on a metal mast, and had the mast grounded.
It is small enough that it isn't bothered by the wind to speak of.
Not using it presently, but may put it up for my scanner.
I would say use a metal mast and ground the mast well.
the Discone grounds right to the mast.
YMMV

Wayne WA2YNE
Imperial, tejas

On Fri, 25 Jan 2008 13:06:21 -0600, Jim <jimemack2000@...> wrote:

> Hi,
>
> I'm putting up a vertical to expand the station's reception to 2GHz.
> I have a Discone and want to mount it on a mast and raise it against
> the house, fastened to the exterior, rather than taking a risky climb
> up 30' to the roof. I have some questions:
>
> Is it advisable to use a metallic mast as opposed to a non-metallic
> mast? I was considering fabricating one from Home Depot PVC pipe.
> Another is the safety ground. I haven't found a lot of info on
> this. If I run a 2" wide length of copper strap from the base of the
> Discone straight to the lightning arrestor on the ground rod, will I
> be inviting any extra problems? There are tons of lighting/grounding
> articles out there, but none that I have found deal specificlly wih
> that and how that might change the requirements for the mast material.
>
> I hope that all makes sense.
>
> Thanks,
> Jim
> W2JEM
>

--
Using Opera's revolutionary e-mail client: http://www.opera.com/mail/

3859. Re: Support rope for wire antennas

Yahoo group: ham-antennas (2008)
Date: 2008-01-25 20:13:20 UTC
From: Dave
Topic: 3841 Message: 3859

--- In ham-antennas@yahoogroups.com, Geoff Hegarty <gfheg@...> wrote:
>
> Buy your ropes and assoc. hardware at sailboat shops and you generally
> can't go wrong (except a bit in the wallet department).
>
> Geoff VK2HQA

I bought some sailboat line from shops that sell on ebay. Overall it's rugged stuff, but it's much more stretchy than the dacron-covered stuff that's intended for supporting wire antennas. It's also more abrasive - would damage a tree limb if it went over one, more quickly than the dacron covered stuff.

The sailboat line I got was much less expensive than the Synthetic Textiles stuff, but since it is so stretchy, I tend to use it more for temporary installations.

The sailboat line most certainly is UV stabilized, though - I've had none of it show any sun-related wear in a number of years. Just seems to make a bit of a mess when used with trees instead of pulleys.

Dave W8NF

3860. AH4 and Mobile mount

Yahoo group: ham-antennas (2008)
Date: 2008-01-26 07:41:45 UTC
From: Rakesh Kapoor
Topic: 3860 Message: 3860

I have posted some pictures of my AH4 and K400 mobile mount modification.Go to link : http://ph.groups.yahoo.com/group/ham-antennas/photos/browse/b16d?c=

VU2RAK

3861. Re: Half Wave Open Loop, aka dipole bent into a rectangle in the att

Yahoo group: ham-antennas (2008)
Date: 2008-01-26 21:50:57 UTC
From: Jonathan Helis KB5IAV
Topic: 3861 Message: 3861

I have an update. This morning I started trying to diagnose the problem by removing various parts of my station and transmitting to see if the problem persisted and sure enough, nothing I tried worked.

I then noticed my MFJ 1704 4 position antenna switch wasn't grounded. I connected a scrap of copper wire from the switch to the ground and the rig didn't shut down. When I removed the wire, the rig shut down when I transmitted.

Another thing I did was I used a field strength meter to see if there was RF in the shack and sure enough, there was. When I keyed up with the ground wire not in place, the meter deflected far to the right but when I connected the ground wire, the RF decreased by more than half.

I plan to connect a good wire to the ground and see if the problem goes away. I guess this goes to show why a ham should ground EVERYTHING in their station.

--
73,

Jonathan Helis, KB5IAV
Baton Rouge, Louisiana, USA

> >Sounds like another symptom of RF in the Shack.
> >
> >Jonathan Helis KB5IAV wrote:
> > I live in an area where putting up an outdoor antenna is a little
> > difficult so I'm experimenting with attic antennas.
> >
> > I built a 60 foot half wave open loop antenna in my attic. It's
> > basically a dipole bent into a 25x5foot rectangle. Not this best I
> > know, but it will have to do for now.
> >
> > The antenna is fed with indoor/outdoor foam filled Radio Shack 300 ohm
> > TV twinlead. I had a roll of it lying around so I thought I'd try
it. I
> > have a MFJ 911H 1:1/4:1 switchable balun and an LDG Z11 Pro autotuner.
> >
> > I can load the antenna just about anywhere with a less than 2:1 SWR,
> > flat on some frequencies, and can make contacts. Thhe problem I'm
> > having is even though I have low SWR, sometimes the rig cuts out as if
> > the SWR were too high. It usually happens when I'm running phone at
> > around 100 watts. Sometimes lowering the power helps, but not always.
> >
> > I've had RF in the shack issues with single wire feed antennas, but

the
> > rig didn't do this. I'm wondering if I'm getting some arcing
somewhere
> > or if the problem is something else. If anyone has any insight into
> > this, I'd appreciate the help.
> >
> > The rig is a Kenwood TS-140S.
> >
> > I found this group while searching Yahoo and thought it would be a
great
> > place to ask this question, or any other antenna questions I have
in the
> > future.
> >
> > Look forward to getting a response

--
73,

Jonathan Helis, KB5IAV
Baton Rouge, Louisiana, USA

3862. Re: Support rope for wire antennas

Yahoo group: ham-antennas (2008)
Date: 2008-01-26 22:57:27 UTC
From: catboat15@aol.com
Topic: 3841 Message: 3862

The term sail boat rope or line covers a wide variety of ropes and cords.
Some is stretchy and some is not. It all depends on what the sailor wants the
line to perform.

**********Biggest Grammy Award surprises of all time on AOL Music.
(http://music.aol.com/grammys/pictures/never-won-a-grammy?NCID=aolcmp00300000002548)

[Non-text portions of this message have been removed]

3863. Coaxial antenna switches and connectors FS

Yahoo group: ham-antennas (2008)
Date: 2008-01-26 23:55:36 UTC
From: Ken Simpson, W8EK
Topic: 3863 Message: 3863

Coaxial antenna switches For Sale:

All have SO-239 connectors.

Para Dynamics PDC 3HD
This is a high quality coax switch, with printed circuit board
stripline type of construction, to keep the impedance constant.
It has the common connector coming out of the bottom, with
the 3 switched connectors coming out of the top.
It looks very similar to the Diawa CS-201 or MFJ 1702, but
is made to switch three antennas. Unused positions are NOT
grounded. $20

Pace 3 position switch
This switch is in a rectangular box. It has the common connector
on the bottom and the three switched connections coming out
of the top. Unused positions are NOT grounded. $15

AmComm JV-104 coax switch
Switches 3 antennas. It is in a nice black rectangular box
Very nice condition. $18

B & W Model 550 A coax switch
This model will switch up to 5 antennas, and does
ground unused antennas. It has SO-239 connectors,
with the coax coming out like spokes of a wheel.
It is in good condition and works fine. $ 35

Waters (B & W) 341 two position coax switch
This switch is very much like the B & W 375 five position
switch, except it only has two position. It has the coax
coming out the back, and it does NOT ground the unused
antenna. This one is in very nice electrical and mechanical
shape. $30

Coax connectors and adapters For Sale:
Prices are per connector. Several of each are available.
These are NOS (have not been used).

BNC male
standard type - $2
crimp on type - $3

Chassis mount BNC female
square mount (uses 4 screws) - $3
screw in type - $4

BNC 90 degree - female to male - $3

BNC "T" - two female and one male - $4

Antenna adapter to fit the BNC connector on the HT
and provide an SO-239 connector that will permit
a PL-259 to be attached. (BNC male to UHF female) $5

UHF Male (PL-259) to BNC female (opposite of above) $5

UHF double female "Barrel connector" (two SO-239 together) $3

UHF "T" connector with two female (SO-239) and one male
(PL-259) connection - $5

UHF female (SO-239) to type "F" Male (as used on cable TV) $5

Type "F" (cable TV) female to BNC male - $5

Prices do not include shipping from Florida.

Thanks.

73,

Ken, W8EK

Ken Simpson
E-mail to W8EK@... or W8EK@...
Voice Phone (352) 732-8400

3864. Re: [ham-antennas] Re: Half Wave Open Loop, aka dipole bent into a rectangle in the att

Yahoo group: ham-antennas (2008)
Date: 2008-01-27 02:30:44 UTC
From: Wayne
Topic: 3861 Message: 3864

There is also the fact that some cheap coax will leak RF quite a bit due to poor shielding. And in some instances, without a balun or choke at the antenna end, RF could come back down the outside of the coax.
I didn't have much of a problem with that till the times I tried using my 75 meter dipole on 160 meters by using the inner and outer conductor as an end fed. I didn't have a ground on the tuner, and when I tried to tune up, it actually kicked out the GFCI breaker outlet in the bathroom. Being as all the outlets in my travel trailer, except the one hidden away for the microwave, run throught this outlet. I guess a ground might have helped there as well. I have had no problems with RF in this house. Using a simple ground at the tuner, and the only antenna switch in use is the one ion the tuner.
And I try to keep any coaxial cable jumpers I use as short as practical as well.

I have also found out that the Cable Experts caox I have, at least two sections of it, are rather lossy at UHF. One loses almost all of the power, so has an excessive loss. From about 70watts to less than 1 watt and the other gets about 4 watts maybe at the far end. tests made using a Bird 43 watt meter, and a known excellent dummy load that is virtually 1.0 to 1 at 445 MHz.
So, at 2 meters and up, beware some coax. And do not use the stuff with the foil inner shield for full duplex. This would be like 9913, and LMR 400 and so on.
At ten meters and lower, most coax should be okay, but it might not hurt to test it.
Especially since some has been assemnbled with the connectors only crimped, and I saw some where the connector near fell off, assembled by someone who simply screwed the coax into it and never soldered the shield or center conductor. OTOH, I have an old section that I assembled in the 70's, and other than the insulation in the connector cracking at one end, still tests as okay. But don't get ant moisture in there. Cracks love moisture, and that in turn invites carbon tracks from RF energy... I always tape well any exposed connectors to keep possibl;e moisture out.

And on the ground, double check and see how good it really is. the ground rod I put in here for the electric service turned out to be so good that it was at the same potential as the neutral wire on the service.
Reasonably conductive earth here.
Other places the earth is not conductive enough, and you might need a longer ground rod.
Not sure how to statr a ten foot ground rod in though, unless you do like I sometimes do and water drill down a ways... Works for starting T Posts as well...

YMMV

Wayne WA2YNE
Imperial, tejas

On Sat, 26 Jan 2008 15:50:57 -0600, Jonathan Helis KB5IAV
<kb5iav@...> wrote:

> I have an update. This morning I started trying to diagnose the problem
> by removing various parts of my station and transmitting to see if the
> problem persisted and sure enough, nothing I tried worked.
>
> I then noticed my MFJ 1704 4 position antenna switch wasn't grounded. I
> connected a scrap of copper wire from the switch to the ground and the
> rig didn't shut down. When I removed the wire, the rig shut down when I
> transmitted.
>
> Another thing I did was I used a field strength meter to see if there
> was RF in the shack and sure enough, there was. When I keyed up with
> the ground wire not in place, the meter deflected far to the right but
> when I connected the ground wire, the RF decreased by more than half.
>
> I plan to connect a good wire to the ground and see if the problem goes
> away. I guess this goes to show why a ham should ground EVERYTHING in
> their station.
>

--
Using Opera's revolutionary e-mail client: http://www.opera.com/mail/

3865. Carolina Windom Question

Yahoo group: ham-antennas (2008)
Date: 2008-01-27 14:48:18 UTC
From: Jim
Topic: 3865 Message: 3865

Does anyone know if the type of coax used for the vertical radiator of a Carolina Windom is of a specific type? Since the coax is supposed to radiate, I thought that using high-quality coax might prevent it from doing so. Which type would radiate the most?

Jim

3866. Re: Half Wave Open Loop, aka dipole bent into a rectangle in the att

Yahoo group: ham-antennas (2008)
Date: 2008-01-27 17:34:17 UTC
From: Jonathan Helis KB5IAV
Topic: 3861 Message: 3866

I thought I had the problem fixed but when I fired up the rig this morning, the problem reared it's ugly head again. Not sure what to think of this at all.

When I first started hamming in 1989, I ran an attic antenna with a single wire feed that came right into the shack and the only ground I had was the rig grounded to the center screw of an electrical outlet and the homebrew tuner I got from another ham wasn't grounded.

I did have some RF in the shack issues, but never quite like this. My problems were mostly on 15 and 10 meters and occasionally 20. I could work 15, but had to run low power, not more than say 25 watts and 10 was pretty much the same way. The rig wouldn't shut down, it would just act up with the display flickering and so forth. I solved the 10 meter problem with a coax fed dipole but never bothered to do anything for 15.

I'm also having the same problem with my attic mounted AEA Isoloop, with the rig shutting down when I transmit phone. Another strange thing is when I key up the AEA Isoloop, the LDG tuner starts tuning, and it's not in line with it. The Isoloop has a coax feed(Belden RG8/X) running straight to the antenna. I used to occasionally have problems with it, but not as bad as now.

I'm beginning to wonder if perhaps I should switch the feed on my loop to coax, or just junk the half wave open loop and try something new. I've used that design before(vertical as opposed to horizontal), on an apartment balcony and fed it with twinlead and not had the issues I have now. In the apartment, I also had a poor ground and the antenna was closer than the new one and I didn't have the problems.

My ground is an 8 foot ground rod driven into the soil just outside of the shack. I have a copper rod in the shack with the wires connected to it, and a heavy wire running through the wall to the ground rod.

I'm not sure what to think of all this. I just hope it's not my rig going bad on me.

--
73,

Jonathan Helis, KB5IAV
Baton Rouge, Louisiana, USA

> 1b. Re: Half Wave Open Loop, aka dipole bent into a rectangle in the att
> Posted by: "Wayne" wa2yne@... wa2yne
> Date: Sat Jan 26, 2008 6:31 pm ((PST))
>

> There is also the fact that some cheap coax will leak RF quite a bit due
> to poor shielding. And in some instances, without a balun or choke at the
> antenna end, RF could come back down the outside of the coax.
> I didn't have much of a problem with that till the times I tried using my
> 75 meter dipole on 160 meters by using the inner and outer conductor as an
> end fed. I didn't have a ground on the tuner, and when I tried to tune up,
> it actually kicked out the GFCI breaker outlet in the bathroom. Being as
> all the outlets in my travel trailer, except the one hidden away for the
> microwave, run throught this outlet. I guess a ground might have helped
> there as well. I have had no problems with RF in this house. Using a
> simple ground at the tuner, and the only antenna switch in use is the one
> ion the tuner.
> And I try to keep any coaxial cable jumpers I use as short as practical
> as well.
>
> I have also found out that the Cable Experts caox I have, at least two
> sections of it, are rather lossy at UHF. One loses almost all of the
> power, so has an excessive loss. From about 70watts to less than 1 watt
> and the other gets about 4 watts maybe at the far end. tests made using a
> Bird 43 watt meter, and a known excellent dummy load that is virtually 1.0
> to 1 at 445 MHz.
> So, at 2 meters and up, beware some coax. And do not use the stuff with
> the foil inner shield for full duplex. This would be like 9913, and LMR
> 400 and so on.
> At ten meters and lower, most coax should be okay, but it might not hurt
> to test it.
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> crimped, and I saw some where the connector near fell off, assembled by
> someone who simply screwed the coax into it and never soldered the shield
> or center conductor. OTOH, I have an old section that I assembled in the
> 70's, and other than the insulation in the connector cracking at one end,
> still tests as okay. But don't get ant moisture in there. Cracks love
> moisture, and that in turn invites carbon tracks from RF energy... I
> always tape well any exposed connectors to keep possibl;e moisture out.
>
> And on the ground, double check and see how good it really is. the ground
> rod I put in here for the electric service turned out to be so good that
> it was at the same potential as the neutral wire on the service.
> Reasonably conductive earth here.
> Other places the earth is not conductive enough, and you might need a
> longer ground rod.
> Not sure how to statr a ten foot ground rod in though, unless you do like
> I sometimes do and water drill down a ways... Works for starting T Posts
> as well...
> YMMV
>
> Wayne WA2YNE
> Imperial, tejas

3867. Using a Crossbow to Raise Antennas

Yahoo group: ham-antennas (2008)
Date: 2008-01-27 18:43:05 UTC
From: Marty Bluhm
Topic: 3867 Message: 3867

I recently acquired a small Crossbow. I want to shoot a projectile up and over a 60ft tree to raise a antenna. I've never had any experience utilizing a crossbow. I did not get any arrows, etc with the bow. How do I fasten fishing line onto a small piece of dowel? How do I spool it off the fishing line spool?

Any ideas, greatly appreciated. Complete novice at this.

Thanks and 73
Marty
W8AKS
No virus found in this outgoing message.
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Version: 7.5.516 / Virus Database: 269.19.12/1245 - Release Date: 1/26/2008
15,45

3868. Re: [ham-antennas] Carolina Windom Question

Yahoo group: ham-antennas (2008)
Date: 2008-01-27 20:30:44 UTC
From: W8OKN
Topic: 3865 Message: 3868

Why use coax? I use the original design, with a single wire feedline, and it works WELL.

W8OKN

----- Original Message -----
From: Jim
To: ham-antennas@yahoogroups.com
Sent: Sunday, January 27, 2008 9:48 AM
Subject: [ham-antennas] Carolina Windom Question

Does anyone know if the type of coax used for the vertical radiator of
a Carolina Windom is of a specific type? Since the coax is supposed to
radiate, I thought that using high-quality coax might prevent it from
doing so. Which type would radiate the most?

Jim

No virus found in this incoming message.
Checked by AVG Free Edition.
Version: 7.5.516 / Virus Database: 269.19.12/1245 - Release Date: 1/26/2008 3:45 PM

[Non-text portions of this message have been removed]

3869. Re: [ham-antennas] Re: Half Wave Open Loop, aka dipole bent into a rectangle in the att

Yahoo group: ham-antennas (2008)
Date: 2008-01-27 19:45:12 UTC
From: QRP_1@juno.com
Topic: 3861 Message: 3869

I'm also having the same problem with my attic mounted AEA Isoloop, with the rig shutting down when I transmit phone. Another strange thing is when I key up the AEA Isoloop, the LDG tuner starts tuning, and it's not in line with it. The Isoloop has a coax feed(Belden RG8/X) running straight to the antenna. I used to occasionally have problems with it, but not as bad as now. [snip]

Try putting an RF choke at the feedpoint of the Isoloop - sounds like the RF is flowing down its coax feedline to the shack. You can make a coaxial choke by winding several turns of the coax into a coil about 6 inches in diameter with about 8 turns. You might also want to get some of the snap on ferrite RFI beads and snap several of them on the coax right at the tuner and at the radio to choke off any common mode currents there. I used to have some RF problems with my Yaesu FT-840 and I fixed it by making up a special coax jumper to go between the radio and the tuner - the jumper has 10 of the slip on RFI beads from Amidon on it then I installed the connectors - no more RF problems !

What kind of feedline are you using on the wire loop that is in the attic ? What you really need to do there is feed it direct with a remote mounted auto tuner like the SGC-239 or 237 and run coax all the way to the shack. Also, keep its feedpoint as far away as possible from the feedpoint of the Isoloop. Do not feed the wire loop with coax and a tuner in the shack - this causes a lot of feedline loss and can cause some feedline radiation - remember the "skin effect" of RF which says it flows on the surface of the wire. Its doing the same thing on the outside of your coax and getting back into your rig that way and is the reason you need to use common mode chokes to keep it off. Radio Shack used to carry some of the snap on RFI beads but was fairly expensive, but if you get enough of them where the feedline connects to the LDG tuner and on the feedline going to the radio it sure cure the problem. The more of them you use, the better they will work ! You also may need to put some on you power cord supplying the DC to the radio as RF can get in on them too. Another trick here is to make the power cord as short as possible or use some of the larger ferrite toroids to wind it through as many times as possible to choke off the RF flowing on it.

Its eithe Amidon or Palomar - don't remember which, but one of them had a free RFI tip sheet they will send you in the mail along with their catalog and you may be able to download it from the web. But it gives you a lot of good ideas into curing RFI problems like you are having Do a google search for "RFI Tip Sheet" and it should lead you to it. RF in the shack can be very frustrating since todays rigs use so much digital and computer control devices, but it can be cured fairly easy.

Good luck OM,
Rick McKee, KC8AON, Ohio - www.angelfire.com/electronic2/qrp
Monthly QRP Field Day Group - http://groups.yahoo.com/group/MQFD/
With God all things are possible <><

3870. Re: [ham-antennas] Carolina Windom Question

Yahoo group: ham-antennas (2008)
Date: 2008-01-27 19:15:32 UTC
From: QRP_1@juno.com
Topic: 3865 Message: 3870

The Carolina Windom doesn't depend on any certain type of coax for the vertical section. It works on the premise that it is an unbalanced antenna and RF lows down the outer side of the coax shield to the line isolator where it is choked off an prevented from going further down the line. So, just use the same type of coax that you plan on using to run to the shack for the vertical section and you'll do fine.

Rick McKee, KC8AON, Ohio - www.angelfire.com/electronic2/qrp
Monthly QRP Field Day Group - http://groups.yahoo.com/group/MQFD/
With God all things are possible <><

3871. Re: [ham-antennas] Using a Crossbow to Raise Antennas

Yahoo group: ham-antennas (2008)
Date: 2008-01-27 19:53:55 UTC
From: QRP_1@juno.com
Topic: 3867 Message: 3871

I recently acquired a small Crossbow. I want to shoot a projectile up and over a 60ft tree to raise a antenna. I've never had any experience utilizing
a crossbow. I did not get any arrows, etc with the bow. How do I fasten fishing line onto a small piece of dowel? [snip]

First of all, a simple dowell will not work from a crossbow - you need a projectile with a head on that has a little bit of weight, then you need the fletching (tail feathers) on the rear of it to stabilize it and make it fly straight. Also, if the crossbow has enough draw weight, the doweel can snap in two when you fire it and can fly unpredictably in any direction making it a safety hazard to anyone around - lets keep the hobby safe ! Since you have not had any experience with a crossbow, I would not recommend it for shooting lines over a tree especially if you are shooting toward other folks property ! You would be much safer learning how to effectively use a spincast fishing rig to cast a weight over the tree - just choose the proper direction to keep it from hitting someone or their property in the process. With a cheap spincast rig and a 2 ounce sinker plus a little practice you could put the line over an 80' tree and be a lot safer !

Rick McKee, KC8AON, Ohio - www.angelfire.com/electronic2/qrp
Monthly QRP Field Day Group - http://groups.yahoo.com/group/MQFD/
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3872. Re: [ham-antennas] Using a Crossbow to Raise Antennas

Yahoo group: ham-antennas (2008)
Date: 2008-01-27 20:58:03 UTC
From: Craig Harder
Topic: 3867 Message: 3872

Was successful in shooting an arrow over a 55 foot pine with string attached to it started by tying above feathers and looping it several times like a half hitch above the feathers and once below made sure nothing was in the direction of aim used a Zebco 808 to let line out and retrieve with no problems, just make sure no one is around and no pets are running loose.didn't have room for casting due to tree limbs from other trees in the way.

Craig KE5PIQ
GOD Bless

3873. Re: [ham-antennas] Re: Half Wave Open Loop, aka dipole bent into a rectangle in the att

Yahoo group: ham-antennas (2008)
Date: 2008-01-27 21:03:53 UTC
From: Arthur Nienhouse
Topic: 3861 Message: 3873

You might try a (artificial ground tuner) or wire cut for the band
where the rf effects your operation attach this to the ground
on the radio.
Give the rf a (tuned resonance) stub to see
Regards
Art
ka9zap

3874. Re: [ham-antennas] Using a Crossbow to Raise Antennas

Yahoo group: ham-antennas (2008)
Date: 2008-01-27 21:09:51 UTC
From: John P.
Topic: 3867 Message: 3874

I used a similar method with a bow and target arrow (from WalMart @0.99).

I drilled a very small hole behind the feathers & ran 25lb fish line thru it. Took 2 shots the 1st time but the other 3 trees were right on the 1st time.

After pulling the fish line, i used it to pull up mason line. Then used the mason line to pull up clothes line and finally I used the clothes line to pull up 1/2 inch nylon rope (got it locally for 5 cents per foot).

That did it. HOWEVRER, I would strongly suggest that at the ends of the antenna or the insulators that a retrieval line be attached. Thus if the wire breaks you can pull down the insulator and easily re-attach the wire. Otherwise you might have the rope and insulator stuck in the tree!!!!

Craig Harder <craigmharder@...> wrote:
Was successful in shooting an arrow over a 55 foot pine with string attached to it started by tying above feathers and looping it several times like a half hitch above the feathers and once below made sure nothing was in the direction of aim used a Zebco 808 to let line out and retrieve with no problems, just make sure no one is around and no pets are running loose.didn't have room for casting due to tree limbs from other trees in the way.

Craig KE5PIQ
GOD Bless

Never miss a thing. Make Yahoo your homepage.

[Non-text portions of this message have been removed]

3875. Re: [ham-antennas] Carolina Windom Question

Yahoo group: ham-antennas (2008)
Date: 2008-01-27 20:55:22 UTC
From: QRP_1@juno.com
Topic: 3865 Message: 3875

Why use coax? I use the original design, with a single wire feedline, and it works WELL. [snip]

Then you are using an original Windom - not a "Carolina Windom"! The original Windom also reguires radials or a good ground screen - he may not have the room for that and maybe the reason he wants to put one up using coax feedline Personally I prefer my 178' centerfed zepp fed with 450 ohm balanced feedline, everyone prefers their own flavor, so to each his/her own.

Rick McKee, KC8AON, Ohio - www.angelfire.com/electronic2/qrp
Monthly QRP Field Day Group - http://groups.yahoo.com/group/MQFD/
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3876. Re: [ham-antennas] Carolina Windom Question

Yahoo group: ham-antennas (2008)
Date: 2008-01-27 21:47:47 UTC
From: W8OKN
Topic: 3865 Message: 3876

Yep, I use the original Windom and it is a real performer!

W8OKN

----- Original Message -----
From: QRP_1@...
To: ham-antennas@yahoogroups.com
Sent: Sunday, January 27, 2008 3:55 PM
Subject: Re: [ham-antennas] Carolina Windom Question

Why use coax? I use the original design, with a single wire feedline,
and it works WELL. [snip]

Then you are using an original Windom - not a "Carolina Windom"! The
original Windom also reguires radials or a good ground screen - he may
not have the room for that and maybe the reason he wants to put one up
using coax feedline Personally I prefer my 178' centerfed zepp fed with
450 ohm balanced feedline, everyone prefers their own flavor, so to each
his/her own.

Rick McKee, KC8AON, Ohio - www.angelfire.com/electronic2/qrp
Monthly QRP Field Day Group - http://groups.yahoo.com/group/MQFD/
With God all things are possible <><

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Version: 7.5.516 / Virus Database: 269.19.12/1245 - Release Date: 1/26/2008 3:45 PM

[Non-text portions of this message have been removed]

3877. Re: Half Wave Open Loop, aka dipole bent into a rectangle in the att

Yahoo group: ham-antennas (2008)
Date: 2008-01-27 23:23:55 UTC
From: Jonathan Helis KB5IAV
Topic: 3861 Message: 3877

> Try putting an RF choke at the feedpoint of the Isoloop - sounds like the
> RF is flowing down its coax feedline to the shack. You can make a
> coaxial choke by winding several turns of the coax into a coil about 6
> inches in diameter with about 8 turns. You might also want to get some
> of the snap on ferrite RFI beads and snap several of them on the coax
> right at the tuner and at the radio to choke off any common mode currents
> there. I used to have some RF problems with my Yaesu FT-840 and I fixed
> it by making up a special coax jumper to go between the radio and the
> tuner - the jumper has 10 of the slip on RFI beads from Amidon on it then
> I installed the connectors - no more RF problems !
>

Thanks for the suggestion. I may have to try that one. I didn't used
to have many problems on the ISOloop, but now I do. I'm just hoping it
is an antenna/RF in the shack issue, and not the sign of a dying rig.

> What kind of feedline are you using on the wire loop that is in the attic
> ? What you really need to do there is feed it direct with a remote
> mounted auto tuner like the SGC-239 or 237 and run coax all the way to
> the shack. Also, keep its feedpoint as far away as possible from the
> feedpoint of the Isoloop. Do not feed the wire loop with coax and a
> tuner in the shack - this causes a lot of feedline loss and can cause
> some feedline radiation - remember the "skin effect" of RF which says it
> flows on the surface of the wire. Its doing the same thing on the
> outside of your coax and getting back into your rig that way and is the
> reason you need to use common mode chokes to keep it off. Radio Shack
> used to carry some of the snap on RFI beads but was fairly expensive, but
> if you get enough of them where the feedline connects to the LDG tuner
> and on the feedline going to the radio it sure cure the problem. The more
> of them you use, the better they will work ! You also may need to put
> some on you power cord supplying the DC to the radio as RF can get in on
> them too. Another trick here is to make the power cord as short as
> possible or use some of the larger ferrite toroids to wind it through as
> many times as possible to choke off the RF flowing on it.
>

I'm using 300 ohm foam filled Radio Shack TV twinlead. I tried running
it through 2 different baluns, a 4:1 from LDG and a 1:1/4:1 selectable
made by MFJ and I get the same results. The tuner can tune below 1.5:1
SWR, but the rig will shut down randomly even at low SWR. Grounding the
antenna switch did reduce some of the RF in the shack, but didn't
eliminate the problem.

The feedpoints of these 2 antennas are at least 20 feet apart, so I'm
not sure that is the issue. However, the feedlines enter the shack
relatively close to each other, but not through the same hole.

I've found some snap on beads on the web too I could use, it would save me the trouble of having to make up new coaxes. Palomar has them on their website, they call them split beads.

> Its eithe Amidon or Palomar - don't remember which, but one of them had a
> free RFI tip sheet they will send you in the mail along with their
> catalog and you may be able to download it from the web. But it gives
> you a lot of good ideas into curing RFI problems like you are having Do
> a google search for "RFI Tip Sheet" and it should lead you to it. RF in
> the shack can be very frustrating since todays rigs use so much digital
> and computer control devices, but it can be cured fairly easy.

I am very frustrated with this indeed. I've never had an RF in the shack problem like this before. I've used antennas that are less than 30 feet away on HF with a poor ground and didn't have this problem. My first ham antenna was an attic random wire previously used for SWLing that used a single wire feed that came right into the shack. The homebrew tuner wasn't grounded and the rig was only grounded to center screw of an electrical outlet, and I had almost no RF in the shack at all. I could run 80 or 40 at 100 watts with no problems. I could also run on 30, 20, and 17 meters, with the occasional bit of the rig acting up on 20. 15 and 10 were another story as RF was pretty bad in the shack on those bands unless the power was kept low. The problems I had then weren't as extreme as now, the rig just acted up, it didn't shut down.

Among the things I've considered are getting a balun for the feedpoint and using RG 8/X all the way to the tuner since I have a big roll of it lying around, cutting the twinlead so it's only in the attic and using a balun so only coax comes into the shack, even worse trying a single wire feed and seeing what that does to my situation, or just junking the half wave open loop and starting from scratch.

The Isoloop is OK, but I'd like to be able to get down on the lower bands like 40 and have more versatility, like not having to retune every couple of KHZ. When the rig isn't cutting out, I get reports of a good signal, which makes me want to keep this antenna working.

When you have only an attic to work with, it's not easy.

--
73,

Jonathan Helis, KB5IAV
Baton Rouge, Louisiana, USA

3878. Re: [ham-antennas] Re: Half Wave Open Loop, aka dipole bent into a rectangle in the att

Yahoo group: ham-antennas (2008)
Date: 2008-01-27 23:37:21 UTC
From: QRP_1@juno.com
Topic: 3861 Message: 3878

Among the things I've considered are getting a balun for the feedpoint and using RG 8/X all the way to the tuner since I have a big roll of it lying around, cutting the twinlead so it's only in the attic and using a balun so only coax comes into the shack, even worse trying a single wire feed and seeing what that does to my situation, or just junking the half wave open loop and starting from scratch. [snip]

Switching to all coax might even make the problem worse. If I were you, I'd try the ferrite beads on the coax at the radio and on the power cable too and any other cable that connects to the radio like speaker leads, soundcard interface wires, keyers etc.

BTW, you might have mentioned, but what kind of rig are you running ? And when you say it shuts down, do you mean that it actually goes off or something else. If your power supply is a switching supply, RF can mess with them too sometimes - to see if thats the problem, try switching to battery power to see if the

3879. Re: [ham-antennas] Re: Half Wave Open Loop, aka dipole bent into a rectangle in the att

Yahoo group: ham-antennas (2008)
Date: 2008-01-27 23:38:43 UTC
From: QRP_1@juno.com
Topic: 3861 Message: 3879

Among the things I've considered are getting a balun for the feedpoint and using RG 8/X all the way to the tuner since I have a big roll of it lying around, cutting the twinlead so it's only in the attic and using a balun so only coax comes into the shack, even worse trying a single wire feed and seeing what that does to my situation, or just junking the half wave open loop and starting from scratch. [snip]

Switching to all coax might even make the problem worse. If I were you, I'd try the ferrite beads on the coax at the radio and on the power cable too and any other cable that connects to the radio like speaker leads, soundcard interface wires, keyers etc.

BTW, you might have mentioned, but what kind of rig are you running ? And when you say it shuts down, do you mean that it actually goes off or something else. If your power supply is a switching supply, RF can mess with them too sometimes - to see if thats the problem, try switching to battery power to see if the problem goes away.

I wouldn't trash the loop just yet, I'm sure we can whip this thing !

Rick McKee, KC8AON, Ohio - www.angelfire.com/electronic2/qrp
Monthly QRP Field Day Group - http://groups.yahoo.com/group/MQFD/
With God all things are possible <><

3880. Re: Half Wave Open Loop, aka dipole bent into a rectangle in the att

Yahoo group: ham-antennas (2008)
Date: 2008-01-28 01:38:58 UTC
From: Jonathan Helis KB5IAV
Topic: 3861 Message: 3880

> Switching to all coax might even make the problem worse. If I were you,
> I'd try the ferrite beads on the coax at the radio and on the power cable
> too and any other cable that connects to the radio like speaker leads,
> soundcard interface wires, keyers etc.
>

I don't have anything else connected to the rig at present other than
the power supply, code key, microphone, ground, and antenna.

> BTW, you might have mentioned, but what kind of rig are you running ?
> And when you say it shuts down, do you mean that it actually goes off or
> something else. If your power supply is a switching supply, RF can mess
> with them too sometimes - to see if thats the problem, try switching to
> battery power to see if the problem goes away.
>

The rig is a Kenwood TS-140S.

When the rig shuts down, what it does is there's a click and the panel
goes dark then comes back on and won't transmit again for around 30
seconds. The only other times this has happened were a few times I
tried to transmit into an extreme mismatch with the power up high. What
makes this a mystery is I have near flat SWR and it's still doing it.

The power supply I'm running is an Astron RS20. I have it grounded as well.

> I wouldn't trash the loop just yet, I'm sure we can whip this thing !

I hope not as I don't have alot of attic space and that open loop, 25ft
x 5ft was the best I could do with what I had. I haven't been all that
active on HF for the last few years and want to get back into it, and
this loop was what I hoped would work.

I need to keep trying.

--
73,

Jonathan Helis, KB5IAV
Baton Rouge, Louisiana, USA

3881. Re: Carolina Windom Question

Yahoo group: ham-antennas (2008)
Date: 2008-01-28 03:21:31 UTC
From: Jim
Topic: 3865 Message: 3881

Ok, so if the type of coax is not important, then does it matter
which element (short or long) the shield is DC-connected to, through
the balun? My thought was that I should make sure I connect the side
of the balun the shield of the coax comes from to the short element
of the antenna. Or does this even matter?

--- In ham-antennas@yahoogroups.com, "W8OKN" <w8okn@...> wrote:
>
> Yep, I use the original Windom and it is a real performer!
>
> W8OKN
>
> ----- Original Message -----
> From: QRP_1@...
> To: ham-antennas@yahoogroups.com
> Sent: Sunday, January 27, 2008 3:55 PM
> Subject: Re: [ham-antennas] Carolina Windom Question
>
>
> Why use coax? I use the original design, with a single wire
feedline,
> and it works WELL. [snip]
>
> Then you are using an original Windom - not a "Carolina Windom"!
The
> original Windom also reguires radials or a good ground screen -
he may
> not have the room for that and maybe the reason he wants to put
one up
> using coax feedline Personally I prefer my 178' centerfed zepp
fed with
> 450 ohm balanced feedline, everyone prefers their own flavor, so
to each
> his/her own.
>
> Rick McKee, KC8AON, Ohio - www.angelfire.com/electronic2/qrp
> Monthly QRP Field Day Group - http://groups.yahoo.com/group/MQFD/
> With God all things are possible <><
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>
>
> No virus found in this incoming message.
> Checked by AVG Free Edition.
> Version: 7.5.516 / Virus Database: 269.19.12/1245 - Release Date:
1/26/2008 3:45 PM
>
>
> [Non-text portions of this message have been removed]
>

3882. dipole feed point

Yahoo group: ham-antennas (2008)
Date: 2008-01-28 13:21:36 UTC
From: Rakesh Kapoor
Topic: 3882 Message: 3882

Any idea how much will be feed-point impedance if I want to feed a dipole off-centered??? Is there any chart which can tell about the impedance value at different points of dipole. I mean, if I want to feed the antenna not at the center but away from the center. If I go say few feets right or left on a dipole from center, how much will be the feed-impedance.

VU2RAK

3883. Re: dipole feed point

Yahoo group: ham-antennas (2008)
Date: 2008-01-28 13:37:20 UTC
From: gadzooks.mike
Topic: 3882 Message: 3883

Cebik has a chart in this article that will help you out.

http://www.cebik.com/gup/gup9.html

--- In ham-antennas@yahoogroups.com, "Rakesh Kapoor" <vu2rak@...> wrote:
>
> Any idea how much will be feed-point impedance if I want to feed a
> dipole off-centered??? Is there any chart which can tell about the
> impedance value at different points of dipole. I mean, if I want to
> feed the antenna not at the center but away from the center. If I go
> say few feets right or left on a dipole from center, how much will be
> the feed-impedance.
>
> VU2RAK
>

3884. Re: [ham-antennas] Re: dipole feed point

Yahoo group: ham-antennas (2008)
Date: 2008-01-28 13:56:55 UTC
From: rakesh kapoor
Topic: 3882 Message: 3884

Many thanks dear gadzooks for your link infomation. Very informative and useful. I was looking for that kind of a website. 73

VU2RAK

On Mon, 28 Jan 2008 gadzooks.mike wrote :
>
>Cebik has a chart in this article that will help you out.
>
>http://www.cebik.com/gup/gup9.html
>
>
>
>--- In ham-antennas@yahoogroups.com, "Rakesh Kapoor" <vu2rak@...> wrote:
> >
> > Any idea how much will be feed-point impedance if I want to feed a
> > dipole off-centered??? Is there any chart which can tell about the
> > impedance value at different points of dipole. I mean, if I want to
> > feed the antenna not at the center but away from the center. If I go
> > say few feets right or left on a dipole from center, how much will be
> > the feed-impedance.
> >
> > VU2RAK
> >
>
>

[Non-text portions of this message have been removed]

3885. Re: Using a Crossbow to Raise Antennas

Yahoo group: ham-antennas (2008)
Date: 2008-01-28 14:12:53 UTC
From: David Moore
Topic: 3867 Message: 3885

May I suggest using a bow fishing set up. It has the heavy fiberglass arrow that has an attached 90 lb line to a spool that lets the line feed of smoothly. I have used this setup with a recurved bow several times with height to spare.
73
Dave

[Non-text portions of this message have been removed]

3886. Re: [ham-antennas] Re: Carolina Windom Question

Yahoo group: ham-antennas (2008)
Date: 2008-01-28 16:26:54 UTC
From: qrp_1@juno.com
Topic: 3865 Message: 3886

Ok, so if the type of coax is not important, then does it matter which element (short or long) the shield is DC-connected to, through the balun? My thought was that I should make sure I connect the side of the balun the shield of the coax comes from to the short element of the antenna. Or does this even matter?

Well, the common thought on this is to connect the long side to the hot side and short to the ground side, but in reality it doesn't matter because for a given length of wire the current and voltage will be distributed the same regardless of where it is fed and only the impedance changes. You basically think of it as one single piece of wire when RF is concerned.

73
Rick
KC8AON

_____
Career Problems? Become a Web Designer and increae your pay. Click Now.
http://thirdpartyoffers.juno.com/TGL2121/fc/Ioyw6i3oHUEP9L9NLuyL6mArOkWqHmeJkRfVTTm1PTCF7H2ZzfVqeU/

3887. Re: Carolina Windom Question

Yahoo group: ham-antennas (2008)
Date: 2008-01-28 16:32:35 UTC
From: Jim
Topic: 3865 Message: 3887

Ok, thanks. That was very helpful. I think I can begin installing
the ground system now and hopefully raise the antenna by next month.

Jim

--- In ham-antennas@yahoogroups.com, "qrp_1@..." <QRP_1@...> wrote:
>
>
> Ok, so if the type of coax is not important, then does it matter
> which element (short or long) the shield is DC-connected to,
through
> the balun? My thought was that I should make sure I connect the
side
> of the balun the shield of the coax comes from to the short element
> of the antenna. Or does this even matter?
>
>
> Well, the common thought on this is to connect the long side to the
hot side and short to the ground side, but in reality it doesn't
matter because for a given length of wire the current and voltage
will be distributed the same regardless of where it is fed and only
the impedance changes. You basically think of it as one single piece
of wire when RF is concerned.
>
> 73
> Rick
> KC8AON
> _____
> Career Problems? Become a Web Designer and increae your pay. Click
Now.
>
http://thirdpartyoffers.juno.com/TGL2121/fc/Ioyw6i3oHUEP9L9NLuyL6mArOk
WqHmeJkRfVTTm1PTCF7H2ZzfVqeU/
>

3888. CONSTRUCTION DETAILS FOR 147/430 Mhz QUAD?

Yahoo group: ham-antennas (2008)
Date: 2008-01-28 21:17:24 UTC
From: Dan Coleman
Topic: 3888 Message: 3888

Does anyone have details on how I may build a dual band quad for 2 meters and 70cm? Hopefully, one feedline etc. If somebody has a commercial unit already built and they want to sell, I would like to hear from them. In any case, I hope to put up such an antenna soon.
73,
Dan

3889. Quick-release radials - suggestions

Yahoo group: ham-antennas (2008)
Date: 2008-01-28 21:56:12 UTC
From: Callum M0MCX
Topic: 3888 Message: 3889

Our little club (callsign M0XXT) often goes out to a field and puts up 40m and 80m verticals with raised radials. I'm looking for a connector that can be used to snap the radials to a home-brew elevated grounding base. We seem to spend huge amounts of time with little nuts, screws and stuff and it never seems to go right. I can make almost anything but I just can't quite get into my head what sort of connector I'm after.

Someone mentioned those battery type connectors that they use on remote controlled models. Sounds quite good because we need strength and heavy-duty (radials tend to tug at the grounding base).

Anyone else got some ideas..?

Callum.

[Non-text portions of this message have been removed]

3890. Re: [ham-antennas] Quick-release radials - suggestions

Yahoo group: ham-antennas (2008)
Date: 2008-01-28 22:20:51 UTC
From: Randy Morton
Topic: 3888 Message: 3890

What did you use to make the radials? The weight will probably mandate the type of connector. The RC car battery connectors are probably too weak to support the weight. Whip disconnects might work a lot better.

Randy (KE5EOT)

On 1/28/08, Callum M0MCX <callum@...> wrote:
>
> Our little club (callsign M0XXT) often goes out to a field and puts up
> 40m
> and 80m verticals with raised radials. I'm looking for a connector that
> can
> be used to snap the radials to a home-brew elevated grounding base. We
> seem
> to spend huge amounts of time with little nuts, screws and stuff and it
> never seems to go right. I can make almost anything but I just can't quite
> get into my head what sort of connector I'm after.
>
> Someone mentioned those battery type connectors that they use on remote
> controlled models. Sounds quite good because we need strength and
> heavy-duty
> (radials tend to tug at the grounding base).
>
> Anyone else got some ideas..?
>
> Callum.
>
> [Non-text portions of this message have been removed]
>
>
>

[Non-text portions of this message have been removed]

3891. RE: [ham-antennas] Quick-release radials - suggestions

Yahoo group: ham-antennas (2008)
Date: 2008-01-28 23:54:00 UTC
From: James M.(Jim) Geidl
Topic: 3888 Message: 3891

How about the heavy gauge Anderson PowerPole connectors?

Jim, K6JMG
//

> Subject: [ham-antennas] Quick-release radials - suggestions
>
> Our little club (callsign M0XXT) often goes out to a field
> and puts up 40m and 80m verticals with raised radials. I'm
> looking for a connector that can be used to snap the radials
> to a home-brew elevated grounding base. We seem to spend huge
> amounts of time with little nuts, screws and stuff and it
> never seems to go right. I can make almost anything but I
> just can't quite get into my head what sort of connector I'm after.
>
>
>
> Someone mentioned those battery type connectors that they use
> on remote controlled models. Sounds quite good because we
> need strength and heavy-duty (radials tend to tug at the
> grounding base).
>
>
>
> Anyone else got some ideas..?
>
>
>
> Callum.

3892. Re: [ham-antennas] Quick-release radials - suggestions

Yahoo group: ham-antennas (2008)
Date: 2008-01-29 00:17:25 UTC
From: QRP_1@juno.com
Topic: 3888 Message: 3892

Someone mentioned those battery type connectors that they use on remote controlled models. Sounds quite good because we need strength and heavy-duty
(radials tend to tug at the grounding base).

Anyone else got some ideas..? [snip]

Have you thought of using the crimp on male and female wire terminals that just plug into each other ? Leave short leads attached to the ground base with one side of the terminals attached to them and the other mating connector attached to the radials themselves - simple plug in solution !

Rick McKee, KC8AON, Ohio - www.angelfire.com/electronic2/qrp
Monthly QRP Field Day Group - http://groups.yahoo.com/group/MQFD/
With God all things are possible <><

3893. Re: [ham-antennas] Re: Half Wave Open Loop, aka dipole bent into a rectangle in the att

Yahoo group: ham-antennas (2008)
Date: 2008-01-28 23:48:44 UTC
From: QRP_1@juno.com
Topic: 3861 Message: 3893

When the rig shuts down, what it does is there's a click and the panel goes dark then comes back on and won't transmit again for around 30 seconds. The only other times this has happened were a few times I tried to transmit into an extreme mismatch with the power up high. What makes this a mystery is I have near flat SWR and it's still doing it. [snip]

Well, it sure sounds like excess RF getting back into the rig to me, and you really need to find out where its getting in at and start there. And its a common misconception that RF problems will be less when the swr is low, but just because the swr is low doesn't mean that RF isn't going to get back into the shack and cause problems. Remember the reason that you want the swr low is so that you have maximum power transfer to the antenna, so with more power getting out can mean that you can even have more of it to get back into the shack to cause problems. Most of the time the RF is coming straight back down the outside of the coax itself right to the radio where it can cause problems. If you can, try winding the coax at the antenna feedpoing into a choke - this is nothing more than a coil of the coax about 6 to 8 inches in diameter with about 8 turns or more of the coax. I don't think this is as effective as using several ferrite beads, but it will help in most cases. Another thing you can try is grounding the feedline from the unused antenna. If you are not using the Isoloop at the time, ground its feedline and ground both the coax shield and the center conductor. This helps bleed off any RF from the unused antenna to ground, then you only have one feedline to worry about, but RF chokes at the feedpoint of the antenna can go a long way into eleminating the RF coming back down the outside of the coax to the radio. But don't be convinced that RF can't be the problem because the swr is low - the more power that goes out means that there is more of it to cause problems ! So your answer will be in finding where the RF is coming back in the the radio and addressing it there - when in doubt, "CHOKE IT" !

Also, how long is the power cable from the power supply to the radio ? If its too long, then it can pick up RF and cause problems too. If you don't want to cut it off to make it shorter, try winding it into a coil to shorten it up.

Rick McKee, KC8AON, Ohio - www.angelfire.com/electronic2/qrp
Monthly QRP Field Day Group - http://groups.yahoo.com/group/MQFD/
With God all things are possible <><

3894. Re: Half Wave Open Loop, aka dipole bent into a rectangle in the att

Yahoo group: ham-antennas (2008)
Date: 2008-01-29 03:54:53 UTC
From: Jonathan Helis KB5IAV
Topic: 3861 Message: 3894

> Well, it sure sounds like excess RF getting back into the rig to me, and
> you really need to find out where its getting in at and start there. And
> its a common misconception that RF problems will be less when the swr is
> low, but just because the swr is low doesn't mean that RF isn't going to
> get back into the shack and cause problems. Remember the reason that you
> want the swr low is so that you have maximum power transfer to the
> antenna, so with more power getting out can mean that you can even have
> more of it to get back into the shack to cause problems. Most of the
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> right to the radio where it can cause problems. If you can, try winding
> the coax at the antenna feedpoing into a choke - this is nothing more
> than a coil of the coax about 6 to 8 inches in diameter with about 8
> turns or more of the coax. I don't think this is as effective as using
> several ferrite beads, but it will help in most cases. Another thing you
> can try is grounding the feedline from the unused antenna. If you are
> not using the Isoloop at the time, ground its feedline and ground both
> the coax shield and the center conductor. This helps bleed off any RF
> from the unused antenna to ground, then you only have one feedline to
> worry about, but RF chokes at the feedpoint of the antenna can go a long
> way into eleminating the RF coming back down the outside of the coax to
> the radio. But don't be convinced that RF can't be the problem because
> the swr is low - the more power that goes out means that there is more of
> it to cause problems ! So your answer will be in finding where the RF is
> coming back in the the radio and addressing it there - when in doubt,
> "CHOKE IT" !
>

I agree that it is RF in the shack, but I wonder how it's getting in.
In the past, I ran an attic antenna with a single wire feed into a
homebrew tuner that wasn't grounded, no counterpoise, radials, etc, and
the RF in the shack issue I had was nowhere near this bad. I had no
problems at all on 80 and 40, and only an occasional problem on 20. It
was 15 and 10 where I had the most trouble but this time but the rig
didn't shut down, it just acted up. Now it's on all bands I've tried.
The only ground the rig had was a wire connected to the center screw of
an outlet. I thought single wire feed was most prone to RF in the shack
issues, yet I had fewer with that setup than I do now with twinlead.

I'm going to order some split beads to put on the coaxes, power cord,
and any other place RF could get in. Hopefully that will help.

> Also, how long is the power cable from the power supply to the radio ?
> If its too long, then it can pick up RF and cause problems too. If you
> don't want to cut it off to make it shorter, try winding it into a coil
> to shorten it up.

It's probably around 4-5 feet long. I have it bundled up on the desk where my rig is. Another thing to note is when I had the single wire feed, the power supply sat on the floor(small desk), so the cable was stretched out. Again, no RF issues there.

Thanks for hanging in here with me, I'm hoping I'll get this straight soon.

--
73,

Jonathan Helis, KB5IAV
Baton Rouge, Louisiana, USA

3895. Re: Half Wave Open Loop, aka dipole bent into a rectangle in the att

Yahoo group: ham-antennas (2008)
Date: 2008-01-29 14:12:11 UTC
From: Dana Elliott
Topic: 3861 Message: 3895

I have seen a flat SWR reading with an analyzer, only to be able to transmit one or two watts. Why? Because the coax shielding was connected by only one or two strands resulting in a very current restricted connection inside a coax connector. The rig will shut down to save it's self.

There are actual test instruments for testing the current handling capability of connections but I have yet to see anyone use one in a ham radio application.

My suggestion is to check all coax connectors once again for possible shield connection problems.

Dana K6DLE/7

--- In ham-antennas@yahoogroups.com, QRP_1@... wrote:
>
> When the rig shuts down, what it does is there's a click and the panel
> goes dark then comes back on and won't transmit again for around 30
> seconds. The only other times this has happened were a few times I
> tried to transmit into an extreme mismatch with the power up high. What
> makes this a mystery is I have near flat SWR and it's still doing it.
> [snip]
>
> Well, it sure sounds like excess RF getting back into the rig to me, and
> you really need to find out where its getting in at and start there. And
> its a common misconception that RF problems will be less when the swr is
> low, but just because the swr is low doesn't mean that RF isn't going to
> get back into the shack and cause problems. Remember the reason that you
> want the swr low is so that you have maximum power transfer to the
> antenna, so with more power getting out can mean that you can even have
> more of it to get back into the shack to cause problems. Most of the
> time the RF is coming straight back down the outside of the coax itself
> right to the radio where it can cause problems. If you can, try winding

> the coax at the antenna feedpoing into a choke - this is nothing
more
> than a coil of the coax about 6 to 8 inches in diameter with about 8
> turns or more of the coax. I don't think this is as effective as
using
> several ferrite beads, but it will help in most cases. Another
thing you
> can try is grounding the feedline from the unused antenna. If you
are
> not using the Isoloop at the time, ground its feedline and ground
both
> the coax shield and the center conductor. This helps bleed off any
RF
> from the unused antenna to ground, then you only have one feedline
to
> worry about, but RF chokes at the feedpoint of the antenna can go a
long
> way into eleminating the RF coming back down the outside of the
coax to
> the radio. But don't be convinced that RF can't be the problem
because
> the swr is low - the more power that goes out means that there is
more of
> it to cause problems ! So your answer will be in finding where the
RF is
> coming back in the the radio and addressing it there - when in
doubt,
> "CHOKE IT" !
>
> Also, how long is the power cable from the power supply to the
radio ?
> If its too long, then it can pick up RF and cause problems too. If
you
> don't want to cut it off to make it shorter, try winding it into a
coil
> to shorten it up.
>
> Rick McKee, KC8AON, Ohio - www.angelfire.com/electronic2/qrp
> Monthly QRP Field Day Group - http://groups.yahoo.com/group/MQFD/
> With God all things are possible <><
>

3896. Re: [ham-antennas] Quick-release radials - suggestions

Yahoo group: ham-antennas (2008)
Date: 2008-01-29 18:43:02 UTC
From: Tom LeBron
Topic: 3888 Message: 3896

How about insted of regular nuts use wing nuts insted. You could use ring terminals also and cut the at the 3oclock (like a "C") for quick deploy. Good Luck
Tom WZ9L

[Non-text portions of this message have been removed]

3897. Re: Half Wave Open Loop, aka dipole bent into a rectangle in the att

Yahoo group: ham-antennas (2008)
Date: 2008-01-29 19:25:39 UTC
From: Dave
Topic: 3861 Message: 3897

--- In ham-antennas@yahoogroups.com, Jonathan Helis KB5IAV
<kb5iav@...> wrote:
>
> I have an update. This morning I started trying to diagnose the
problem
> by removing various parts of my station and transmitting to see if the
> problem persisted and sure enough, nothing I tried worked.
>
> I then noticed my MFJ 1704 4 position antenna switch wasn't
grounded. I
> connected a scrap of copper wire from the switch to the ground and the
> rig didn't shut down. When I removed the wire, the rig shut down
when I
> transmitted.
>
> Another thing I did was I used a field strength meter to see if there
> was RF in the shack and sure enough, there was. When I keyed up with
> the ground wire not in place, the meter deflected far to the right but
> when I connected the ground wire, the RF decreased by more than half.
>
> I plan to connect a good wire to the ground and see if the problem goes
> away. I guess this goes to show why a ham should ground EVERYTHING in
> their station.
>
> --
> 73,
>
> Jonathan Helis, KB5IAV
> Baton Rouge, Louisiana, USA
>

Of course there's RF in your shack. How many feet below that
attic-mounted antenna are you?

Even if you have leaky coax or marginal ground connections, when your
antenna is that close to the shack, it will be the largest contributor
to the shack. The antenna, after all, is an intentional radiator.

For a time there, when I was in California, my vertical was "planted"
outside the shack window. Distance from back of rig to vertical -
four feet.

The TS-140S, like any other solid state rig of that era, cuts back
power gracefully. If the behavior is otherwise, then it's probably
not "RF in the shack" or SWR.

For instance - my Icom IC-735, occasionally goes completely dark for a split second, then the panel lights up again - but the RX is dead. Other times, it cuts out briefly, then comes back on, stuck in TX mode, or stuck in RX mode. What's going on? In this case, I have traced it to a poor DC power connection. When in TX mode, drawing 20 amps, the light corrosion on the power connector causes a brief voltage drop, which causes the rig's microprocessor to go into a bewildered state.

Your symptoms are not indicative of "RF in the shack" (which should not cause that sort of problem anyway) or SWR, but rather something else. I'd start with the DC feeding the rig. If that's the standard six-pin Molex power feed connector of that era, you can squeeze a small flat-blade screwdriver in between the power connections and the plastic connector, and do a little "twist and wedge" to squeeze those female contacts a bit smaller. Also, try a weak acid on the connections (vinegar or diluted muriatic acid) to clean off corrosion. Or just use the Caig De-OXit product to do the same job.

I've seen a lot of otherwise unexplainable rig problems caused by a momentary drop in the 13.8V supply feeding the rig.

Hope this helps.

Dave W8NF

3898. Re: [ham-antennas] Re: Half Wave Open Loop, aka dipole bent into a rectangle in the att

Yahoo group: ham-antennas (2008)
Date: 2008-01-29 22:21:26 UTC
From: QRP_1@juno.com
Topic: 3861 Message: 3898

Jonathan,
Do you have a dummy load you can transmit into ? If so, try it and see if the problem goes away. If it does, then you will be almost 100% sure its RF causing the problem and not a problem with the power supply. Also if you can, try running the rig temporarily on battery power while connected to the antenna - if the problem goes away, then the RF may be getting into the power supply and causing problems. Another thing you will want to do is monitor your supply voltage from the supply to make sure it isn't sagging when transmitting as it could actually be a power supply problem and this may or may not be caused by RF. And make sure the power supply is current rated enough for the rig you are running - most100 watt rigs require at least a 20 amp supply but you probably already know that. Do you get any interference on anything else in the house when you transmit - TV, stereo, or telephones for example ?

Rick McKee, KC8AON, Ohio - www.angelfire.com/electronic2/qrp
Monthly QRP Field Day Group - http://groups.yahoo.com/group/MQFD/
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3899. Re: Half Wave Open Loop, aka dipole bent into a rectangle in the att

Yahoo group: ham-antennas (2008)
Date: 2008-01-29 23:46:13 UTC
From: Dave
Topic: 3861 Message: 3899

--- In ham-antennas@yahoogroups.com, QRP_1@... wrote:
>
> Jonathan,
> Do you have a dummy load you can transmit into ? If so, try it
and see
> if the problem goes away. If it does, then you will be almost 100% sure
> its RF causing the problem and not a problem with the power supply.
Also
> if you can, try running the rig temporarily on battery power while
> connected to the antenna - if the problem goes away, then the RF may be
> getting into the power supply and causing problems. Another thing you
> will want to do is monitor your supply voltage from the supply to make
> sure it isn't sagging when transmitting as it could actually be a power
> supply problem and this may or may not be caused by RF. And make
sure the
> power supply is current rated enough for the rig you are running -
> most100 watt rigs require at least a 20 amp supply but you probably
> already know that. Do you get any interference on anything else in the
> house when you transmit - TV, stereo, or telephones for example ?
>
>
> Rick McKee, KC8AON, Ohio - www.angelfire.com/electronic2/qrp
> Monthly QRP Field Day Group - http://groups.yahoo.com/group/MQFD/
> With God all things are possible <><
>

It would still be a good idea to inspect the power connections. Rigs
as old as that TS-140 have a lot of hours on those Molex connectors,
which were barely up to the task.

Dave W8NF

3900. Re: Half Wave Open Loop, aka dipole bent into a rectangle in the att

Yahoo group: ham-antennas (2008)
Date: 2008-01-30 00:06:02 UTC
From: Jonathan Helis KB5IAV
Topic: 3861 Message: 3900

> Jonathan,
> Do you have a dummy load you can transmit into ? If so, try it and see
> if the problem goes away. If it does, then you will be almost 100% sure
> its RF causing the problem and not a problem with the power supply. Also
> if you can, try running the rig temporarily on battery power while
> connected to the antenna - if the problem goes away, then the RF may be
> getting into the power supply and causing problems. Another thing you
> will want to do is monitor your supply voltage from the supply to make
> sure it isn't sagging when transmitting as it could actually be a power
> supply problem and this may or may not be caused by RF. And make sure the
> power supply is current rated enough for the rig you are running -
> most100 watt rigs require at least a 20 amp supply but you probably
> already know that. Do you get any interference on anything else in the
> house when you transmit - TV, stereo, or telephones for example ?

I don't have a dummy load I'm afraid. I'm going to check the cable and perhaps replace it, which is probably a good idea anyway since it's so old.

I do get interference, but that's to be expected with attic antennas and today's poorly shielded electronics.

My power supply is an Astron RS20 20Amp and it seems to work OK. It's not exactly new, but I think it's OK.

--
73,

Jonathan Helis, KB5IAV
Baton Rouge, Louisiana, USA

3901. Re: Half Wave Open Loop, aka dipole bent into a rectangle in the att

Yahoo group: ham-antennas (2008)
Date: 2008-01-30 00:23:42 UTC
From: Jonathan Helis KB5IAV
Topic: 3861 Message: 3901

> Of course there's RF in your shack. How many feet below that
> attic-mounted antenna are you?
>

It's a one story house, but the antenna is on the opposite side of the house from the shack, probably around 20 feet away at least.

> Even if you have leaky coax or marginal ground connections, when your
> antenna is that close to the shack, it will be the largest contributor
> to the shack. The antenna, after all, is an intentional radiator.
>
> For a time there, when I was in California, my vertical was "planted"
> outside the shack window. Distance from back of rig to vertical -
> four feet.
>
> The TS-140S, like any other solid state rig of that era, cuts back
> power gracefully. If the behavior is otherwise, then it's probably
> not "RF in the shack" or SWR.
>

I'm sure it's not SWR, since the LDG tuner can load it down below 1.5:1. RF in the shack seems likely, but when I had a single wire feed many years ago, it did have RF in the shack, but not these problems.

> For instance - my Icom IC-735, occasionally goes completely dark for a
> split second, then the panel lights up again - but the RX is dead.
> Other times, it cuts out briefly, then comes back on, stuck in TX
> mode, or stuck in RX mode. What's going on? In this case, I have
> traced it to a poor DC power connection. When in TX mode, drawing 20
> amps, the light corrosion on the power connector causes a brief
> voltage drop, which causes the rig's microprocessor to go into a
> bewildered state.
>

That shutting down you describe is similar to what my rig does. It will blink and then it won't transmit again until I left off the PTT button for a few seconds.

> Your symptoms are not indicative of "RF in the shack" (which should
> not cause that sort of problem anyway) or SWR, but rather something
> else. I'd start with the DC feeding the rig. If that's the standard
> six-pin Molex power feed connector of that era, you can squeeze a
> small flat-blade screwdriver in between the power connections and the
> plastic connector, and do a little "twist and wedge" to squeeze those
> female contacts a bit smaller. Also, try a weak acid on the
> connections (vinegar or diluted muriatic acid) to clean off corrosion.

> Or just use the Caig De-OXit product to do the same job.
>
> I've seen a lot of otherwise unexplainable rig problems caused by a
> momentary drop in the 13.8V supply feeding the rig.
>
> Hope this helps.
>
> Dave W8NF

This post has made me think a little. This problem happens when I'm trying to run voice but not CW. The power levels vary more and faster when doing voice than when doing the kind of CW I do, i.e. not very fast and with a straight key. Perhaps the rapid varying of the power may be why it manifests itself.

I may just go ahead and order a new cable for the rig, which like I've said already, is probably a good idea anyway since the cable is so old.

--
73,

Jonathan Helis, KB5IAV
Baton Rouge, Louisiana, USA

3902. Re: [ham-antennas] Re: Half Wave Open Loop, aka dipole bent into a rectangle in the att

Yahoo group: ham-antennas (2008)
Date: 2008-01-30 00:31:26 UTC
From: QRP_1@juno.com
Topic: 3861 Message: 3902

It would still be a good idea to inspect the power connections. Rigs as old as that TS-140 have a lot of hours on those Molex connectors, which were barely up to the task. [snip]

That is so true ! And if thats the problem, you could posibly mdify the radio to have a short pigtail coming out the back with Anderson Power Poles for the connector - much better than Molex !

Rick McKee, KC8AON, Ohio - www.angelfire.com/electronic2/qrp
Monthly QRP Field Day Group - http://groups.yahoo.com/group/MQFD/
With God all things are possible <><

3903. Re: [ham-antennas] Re: Half Wave Open Loop, aka dipole bent into a rectangle in theatt

Yahoo group: ham-antennas (2008)
Date: 2008-01-30 00:35:22 UTC
From: trucken4peace@yahoo.com
Topic: 3903 Message: 3903

Ok just a quick suggestion. You already found a ground wire issue with your antenna switch and tested for rf in the shack. Have you tried removing the ground on the switch, cutting back to 1/4 to 1/2 power and seeing if your radio cuts out? Its been said before but a 100 watt radio might be pulling just over the maximum of the capacity of the power supply. Do you have anything else connected that at the same time? Also if you have or can borrow a watt meter. The reason some radios put out more than 100 watts. If that's the case then more current would be drawn and exceed your power supply. Hope that helps. 72 KE7JSL John Sent via BlackBerry from T-Mobile

3904. Re: [ham-antennas] Re: Half Wave Open Loop, aka dipole bent into a rectangle in theatt

Yahoo group: ham-antennas (2008)
Date: 2008-01-30 02:19:16 UTC
From: N0ATH
Topic: 3903 Message: 3904

Gentlemen, I might also suggest that you try and watch the output voltage on your supply while transmitting.
RF can and will deregulate your supply at times - also if you have an output transistor that has opened you
could have near normal voltage on receive and drop considerable on transmit. Symptoms would be the same as the
others have implied, low voltage. Just another opinion.
Dave / N?ATH

----- Original Message -----
From: <trucken4peace@...>
To: <ham-antennas@yahoogroups.com>
Sent: Tuesday, January 29, 2008 6:35 PM
Subject: Re: [ham-antennas] Re: Half Wave Open Loop, aka dipole bent into a rectangle in theatt

Ok just a quick suggestion. You already found a ground wire issue with your antenna switch and tested for rf
in the shack. Have you tried removing the ground on the switch, cutting back to 1/4 to 1/2 power and seeing if
your radio cuts out? Its been said before but a 100 watt radio might be pulling just over the maximum of the
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can borrow a watt meter. The reason some radios put out more than 100 watts. If that's the case then more
current would be drawn and exceed your power supply. Hope that helps. 72 KE7JSL John
Sent via BlackBerry from T-Mobile

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 974 members (as of 11/07/07,
and attachments are NOT permitted.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com

Yahoo! Groups Links

3905. Re: Apartment dweller - HF antenna

Yahoo group: ham-antennas (2008)
Date: 2008-01-30 03:44:35 UTC
From: renopithicus
Topic: 3632 Message: 3905

--- In ham-antennas@yahoogroups.com, QRP_1@... wrote:
>
[snip]
>
> Why don't you tell us what your intended expectations are and tell
us a
> little about your apartment setup. That way we can really figure
out
> what you need and get you pointed in the right direction. What
radio and
> power level do you intend to use ? What bands and modes ? I have
> operated HF from places where folks said it couldn't be done - even
> operated 160 meters effectively from a motel room with no more than
50
> watts ! I've operated 80 thru 10 meters from a 14' johnboat. I've
> worked 15 thru 60 meters effectively @ 10 watts with a 3' diameter
> homebrew magnetic loop made of RG8 coax while out hiking in the
woods,
> and even worked Australia with 10 watts on 40 meters with a homebrew
> vertical. I've also worked several countries with transmitters and
> receivers I built from scratch, so what you call "plug and play ham"
> doesn't apply here ! Oh yeah, I didn't have to get on a list an ask
> folks how to do it either - I figured it out on my own as I went
along !
> I will admit that I started out on 11 meters though - but that was
long
> before I even knew amateur radio even existed ! My first CB
antenna was
> a homebrew endfed halfwave, and the radio was an old tube rig that
didn't
> even work when I got it - thats how I learned about tracing
circuits and
> reading schematics back when I was about 13 years old in 1970.
>
> Rick McKee, KC8AON, Ohio - www.angelfire.com/electronic2/qrp
> Monthly QRP Field Day Group - http://groups.yahoo.com/group/MQFD/
> With God all things are possible <><
>
> [Non-text portions of this message have been removed]
>

You mention loops here, and I think wisely so. My guess is that a
small tuned loop will beat any competing, limited space antenna. The
original poster could easily build a tuned loop himself. The most
expensive part he'd need would probably be a good butterfly

capacitor. However, if he'd rather spend money than build an antenna, he could pick up one of MFJ's 936B loop tuners.

I sometimes use a variety of different sized loops made out of 3/4" copper refrigeration tubing, never running more than 100 watts. I tell you, you can get out on these babies. There are some ergonomic drawbacks. In particular, a small, tuned loop will require frequent retuning. A pain in the behind, I know, but a small price to pay for the kind of performance you get.

Anyway, my two cents, I guess. Whatever you do, I hope it works well for you.

73s

Steve
KC2SIZ

3906. QRN this evening

Yahoo group: ham-antennas (2008)
Date: 2008-01-30 03:57:56 UTC
From: Dave
Topic: 3906 Message: 3906

Just curious and I realize this doesn't directly involve antennas, but I turned on the rig this evening expecting to work some 40 meter dx and all I could hear was 15 db of pulsating noise. Anyone have any idea where it's coming from or did I miss an earlier announcement? I heard the same noise but to a lesser extent on 20 and even lesser yet on 15. No noise at all on 75/80. Just curious but any information would be appreciated.

Thanks in advance and for the bandwidth.

Dave, W8QW

_____
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http://www.peoplepc.com

3907. Verticals Using Telescopng Fiberglass Poles - Articles Needd

Yahoo group: ham-antennas (2008)
Date: 2008-01-30 03:58:30 UTC
From: Mark Saunders, KJ7BS
Topic: 3907 Message: 3907

Hello group,

I'm looking for some help. I am the editor of The SKCC Centurion, the official newsletter of the Straight Key Century Club, and I am looking for articles and how-to pieces for making vertical antennas with fiberglass telescoping poles or using the poles as masts for inverted vee antennas. I am searching the vast information on the internet, but weeding out stuff is laborious.

If you have any articles you would like to share and will let me publish please send them to me. Alternatively, send me links to the information I seek and it may cut down some of my work.

I am looking for a regular contributor for a column on portable operations. If you are interested, please contact me as well.

Mark, KJ7BS
Glendale, AZ
Editor, The SKCC Centurion
Elecraft K2 S/N 0539
Fists # 2972 CC 1806
SKCC # 2240 C56 T20

MQFD # 128
QRP-ARCI # 12647
AZ ScQRPions

COGRC Emergency Communications

[Non-text portions of this message have been removed]

3908. RE: [ham-antennas] QRN this evening

Yahoo group: ham-antennas (2008)
Date: 2008-01-30 04:00:18 UTC
From: Mark Saunders, KJ7BS
Topic: 3906 Message: 3908

Over The Horizon Radar? Actually, I'm listening to signals on 40m now and I've not heard signals this clear and QRN free for quite some time.

Mark, KJ7BS
Glendale, AZ
Editor, The SKCC Centurion
Elecraft K2 S/N 0539
Fists # 2972 CC 1806
SKCC # 2240 C56 T20

MQFD # 128
QRP-ARCI # 12647
AZ ScQRPions

COGRC Emergency Communications

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Dave
Sent: Tuesday, January 29, 2008 8:58 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] QRN this evening

Just curious and I realize this doesn't directly involve antennas, but I turned on the rig this evening expecting to work some 40 meter dx and all I could hear was 15 db of pulsating noise. Anyone have any idea where it's coming from or did I miss an earlier announcement? I heard the same noise but to a lesser extent on 20 and even lesser yet on 15. No noise at all on 75/80. Just curious but any information would be appreciated.

Thanks in advance and for the bandwidth.

Dave, W8QW

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A better way to Internet
http://www.peoplepc <http://www.peoplepc.com> .com

[Non-text portions of this message have been removed]

3909. Re: [ham-antennas] QRN this evening

Yahoo group: ham-antennas (2008)
Date: 2008-01-30 04:01:43 UTC
From: Leonard K. Pennock
Topic: 3906 Message: 3909

Could have been a washing machine. The Whirlpool front loaders put a
whirring noise about every 20Khz in the 20M band an are noticeable on 75M

Dave wrote:
> Just curious and I realize this doesn't directly involve antennas, but I turned on the rig this evening expecting to work some 40 meter dx and all I could hear was 15 db of pulsating noise. Anyone have any idea where it's coming from or did I miss an earlier announcement? I heard the same noise but to a lesser extent on 20 and even lesser yet on 15. No noise at all on 75/80. Just curious but any information would be appreciated.
>
> Thanks in advance and for the bandwidth.
>
> Dave, W8QW
>

--
Leonard K. Pennock
AD7AS

Those who walk bravely through life, unafraid of loss or failure,
find that they very rarely lose or fail.

3910. RE: [ham-antennas] QRN this evening

Yahoo group: ham-antennas (2008)
Date: 2008-01-30 05:17:13 UTC
From: Mark Saunders, KJ7BS
Topic: 3906 Message: 3910

The Maytags do as well.

Mark, KJ7BS
Glendale, AZ
Editor, The SKCC Centurion
Elecraft K2 S/N 0539
Fists # 2972 CC 1806
SKCC # 2240 C56 T20

MQFD # 128
QRP-ARCI # 12647
AZ ScQRPions

COGRC Emergency Communications

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Leonard K. Pennock
Sent: Tuesday, January 29, 2008 9:02 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] QRN this evening

Could have been a washing machine. The Whirlpool front loaders put a whirring noise about every 20Khz in the 20M band an are noticeable on 75M

Dave wrote:
> Just curious and I realize this doesn't directly involve antennas, but I turned on the rig this evening expecting to work some 40 meter dx and all I could hear was 15 db of pulsating noise. Anyone have any idea where it's coming from or did I miss an earlier announcement? I heard the same noise but to a lesser extent on 20 and even lesser yet on 15. No noise at all on 75/80. Just curious but any information would be appreciated.
>
> Thanks in advance and for the bandwidth.
>
> Dave, W8QW
>

--
Leonard K. Pennock
AD7AS

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[Non-text portions of this message have been removed]

3911. Re: QRN this evening

Yahoo group: ham-antennas (2008)
Date: 2008-01-30 11:07:13 UTC
From: lecontejoe
Topic: 3906 Message: 3911

A WASHING MACHINE???? Amazing but apparently true. We recently moved from NE TN to Eastern VA where we are renting a house while building our house. The rental house is huge -- 3,500 sq ft with an enormous room over the garage -- I have my station set up in this room.

Underneath the station is the laundry room with new LG front-loading washer and dryer that belong to the house (our Maytag washer and dryer are stored in the garage).

I have noticed serious QRN on 40 that wipes out the band. It seems to have no particular pattern -- here today, gone tomorrow. After reading this comment, I asked my wife to crank up the washer -- 40 was nice and quite with the usual atmospherics. When she turned on the washer, 40 was wiped out with "hash" from one end to the other. The noise disappeared when the dryer was turned off. The washer and dryer both have more controls than the cockpit of a 747, thus, I suspect an unshielded, unfiltered microprocessor.

--- In ham-antennas@yahoogroups.com, "Leonard K. Pennock" <leonardpennock@...> wrote:
>
> Could have been a washing machine. The Whirlpool front loaders put a
> whirring noise about every 20Khz in the 20M band an are noticeable on 75M
>
> Dave wrote:
> > Just curious and I realize this doesn't directly involve antennas, but I turned on the rig this evening expecting to work some 40 meter dx and all I could hear was 15 db of pulsating noise. Anyone have any idea where it's coming from or did I miss an earlier announcement? I heard the same noise but to a lesser extent on 20 and even lesser yet on 15. No noise at all on 75/80. Just curious but any information would be appreciated.
> >
> > Thanks in advance and for the bandwidth.
> >
> > Dave, W8QW
> >
>
> --
> Leonard K. Pennock
> AD7AS
>
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>

3912. Re: [ham-antennas] QRN this evening

Yahoo group: ham-antennas (2008)
Date: 2008-01-30 13:22:25 UTC
From: Leonard K. Pennock
Topic: 3906 Message: 3912

Same company now. Whirlpool owns Maytag.

Mark Saunders, KJ7BS wrote:
> The Maytags do as well.
>
>
>
> Mark, KJ7BS
> Glendale, AZ
> Editor, The SKCC Centurion
> Elecraft K2 S/N 0539
> Fists # 2972 CC 1806
> SKCC # 2240 C56 T20
>
> MQFD # 128
> QRP-ARCI # 12647
> AZ ScQRPions
>
> COGRC Emergency Communications
>
> -----
>
> From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On
> Behalf Of Leonard K. Pennock
> Sent: Tuesday, January 29, 2008 9:02 PM
> To: ham-antennas@yahoogroups.com
> Subject: Re: [ham-antennas] QRN this evening
>
>
>
> Could have been a washing machine. The Whirlpool front loaders put a
> whirring noise about every 20Khz in the 20M band an are noticeable on 75M
>
> Dave wrote:
>> Just curious and I realize this doesn't directly involve antennas, but I
> turned on the rig this evening expecting to work some 40 meter dx and all I
> could hear was 15 db of pulsating noise. Anyone have any idea where it's
> coming from or did I miss an earlier announcement? I heard the same noise
> but to a lesser extent on 20 and even lesser yet on 15. No noise at all on
> 75/80. Just curious but any information would be appreciated.
>> Thanks in advance and for the bandwidth.
>>
>> Dave, W8QW
>>
>

--
Leonard K. Pennock
AD7AS

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3913. Re: [ham-antennas] Verticals Using Telescopng Fiberglass Poles - Articles Needd

Yahoo group: ham-antennas (2008)
Date: 2008-01-30 18:45:37 UTC
From: patrick.obrien47
Topic: 3907 Message: 3913

HI Mark,
If you checkout the "Sandpiperaerials" based ibn south wales uk i bought a diy fibreglas vertical from them
at a very good price, what i got was a telescopic pole with a ground stake attached and enough wire to make an aerial for each band you just twist the wire like a helical
mind you it only a mono band antenna , so you have to change the bit of wire to change bands
patrick gw1sxn
----- Original Message -----
From: Mark Saunders, KJ7BS
To: ham-antennas@yahoogroups.com ; HamRadioAntenna@yahoogroups.com
Sent: Wednesday, January 30, 2008 3:58 AM
Subject: [ham-antennas] Verticals Using Telescopng Fiberglass Poles - Articles Needd

Hello group,

I'm looking for some help. I am the editor of The SKCC Centurion, the official newsletter of the Straight Key Century Club, and I am looking for articles and how-to pieces for making vertical antennas with fiberglass telescoping poles or using the poles as masts for inverted vee antennas. I am searching the vast information on the internet, but weeding out stuff is laborious.

If you have any articles you would like to share and will let me publish please send them to me. Alternatively, send me links to the information I seek and it may cut down some of my work.

I am looking for a regular contributor for a column on portable operations. If you are interested, please contact me as well.

Mark, KJ7BS
Glendale, AZ
Editor, The SKCC Centurion
Elecraft K2 S/N 0539
Fists # 2972 CC 1806
SKCC # 2240 C56 T20

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COGRC Emergency Communications

[Non-text portions of this message have been removed]

No virus found in this incoming message.
Checked by AVG Free Edition.
Version: 7.5.516 / Virus Database: 269.19.16/1250 - Release Date: 29/01/2008 22:20

[Non-text portions of this message have been removed]

3914. Re: [ham-antennas] Re: QRN this evening

Yahoo group: ham-antennas (2008)
Date: 2008-01-31 00:44:52 UTC
From: John P.
Topic: 3906 Message: 3914

I have a dishwasher here in my house and when it is operating, even just the timer between cycling, It causes an S6 noise level on 20M. It is a GE unit and I WILL CALL and MAKE them correct the problem soon. I'd fix it myself with bypass caps but would screw up the warranty, no doubt

lecontejoe <joe@...> wrote: A WASHING MACHINE???? Amazing but apparently true. We recently moved
from NE TN to Eastern VA where we are renting a house while building
our house. The rental house is huge -- 3,500 sq ft with an enormous
room over the garage -- I have my station set up in this room.

Underneath the station is the laundry room with new LG front-loading
washer and dryer that belong to the house (our Maytag washer and
dryer are stored in the garage).

I have noticed serious QRN on 40 that wipes out the band. It seems
to have no particular pattern -- here today, gone tomorrow. After
reading this comment, I asked my wife to crank up the washer -- 40
was nice and quite with the usual atmospherics. When she turned on
the washer, 40 was wiped out with "hash" from one end to the other.
The noise disappeared when the dryer was turned off. The washer and
dryer both have more controls than the cockpit of a 747, thus, I
suspect an unshielded, unfiltered microprocessor.

--- In ham-antennas@yahoogroups.com, "Leonard K. Pennock"
<leonardpennock@...> wrote:
>
> Could have been a washing machine. The Whirlpool front loaders put
a
> whirring noise about every 20Khz in the 20M band an are noticeable
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> Dave wrote:
> > Just curious and I realize this doesn't directly involve
antennas, but I turned on the rig this evening expecting to work some
40 meter dx and all I could hear was 15 db of pulsating noise.
Anyone have any idea where it's coming from or did I miss an earlier
announcement? I heard the same noise but to a lesser extent on 20
and even lesser yet on 15. No noise at all on 75/80. Just curious
but any information would be appreciated.
> >
> > Thanks in advance and for the bandwidth.
> >
> > Dave, W8QW
> >
>

> --
> Leonard K. Pennock
> AD7AS
>
> Those who walk bravely through life, unafraid of loss or failure,
> find that they very rarely lose or fail.
>

Looking for last minute shopping deals? Find them fast with Yahoo! Search.

[Non-text portions of this message have been removed]

3915. Re: [ham-antennas] Re: QRN this evening

Yahoo group: ham-antennas (2008)
Date: 2008-01-31 00:49:39 UTC
From: Leonard K. Pennock
Topic: 3906 Message: 3915

Hope you have better luck than I did with Whirlpool. They basically told me to piss off they are not covered by any FCC regulation being a microprocessor control application. Reading the regulations I have to agree with them.

John P. wrote:
> I have a dishwasher here in my house and when it is operating, even just the timer between cycling, It causes an S6 noise level on 20M. It is a GE unit and I WILL CALL and MAKE them correct the problem soon. I'd fix it myself with bypass caps but would screw up the warranty, no doubt
>

--
Leonard K. Pennock
AD7AS

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3916. Re: QRN this evening

Yahoo group: ham-antennas (2008)
Date: 2008-01-31 01:01:57 UTC
From: Dave
Topic: 3906 Message: 3916

They're wrong. FCC part 15 puts requirements on "unintentional" radiators as well as intentional. Heck, the last computer mouse I bought included an FCC part 15 statement that if the mouse causes interference to licensed devices, I may have to stop using it!

And, well it DID cause interference, but since I wanted to use it with my logging software, I just stuck some snap-on ferrites on the USB cable.

Dave W8NF

--- In ham-antennas@yahoogroups.com, "Leonard K. Pennock" <leonardpennock@...> wrote:
>
> Hope you have better luck than I did with Whirlpool. They basically told
> me to piss off they are not covered by any FCC regulation being a
> microprocessor control application. Reading the regulations I have to
> agree with them.
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> John P. wrote:
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>
> --
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3917. Re: [ham-antennas] Re: QRN this evening

Yahoo group: ham-antennas (2008)
Date: 2008-01-31 01:23:19 UTC
From: Leonard K. Pennock
Topic: 3906 Message: 3917

The key thing is you have to stop using it. They don't have to fix it.

Dave wrote:
> They're wrong. FCC part 15 puts requirements on "unintentional"
> radiators as well as intentional. Heck, the last computer mouse I
> bought included an FCC part 15 statement that if the mouse causes
> interference to licensed devices, I may have to stop using it!
>
> And, well it DID cause interference, but since I wanted to use it with
> my logging software, I just stuck some snap-on ferrites on the USB cable.
>
> Dave W8NF
>
> --- In ham-antennas@yahoogroups.com, "Leonard K. Pennock"
> <leonardpennock@...> wrote:
>> Hope you have better luck than I did with Whirlpool. They basically told
>> me to piss off they are not covered by any FCC regulation being a
>> microprocessor control application. Reading the regulations I have to
>> agree with them.
>>
>> John P. wrote:
>>> I have a dishwasher here in my house and when it is operating,
> even just the timer between cycling, It causes an S6 noise level on
> 20M. It is a GE unit and I WILL CALL and MAKE them correct the
> problem soon. I'd fix it myself with bypass caps but would screw up
> the warranty, no doubt
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>> Leonard K. Pennock
>> AD7AS
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>>
>
>
>

--
Leonard K. Pennock
AD7AS

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3918. Re: Half Wave Open Loop, aka dipole bent into a rectangle in the att

Yahoo group: ham-antennas (2008)
Date: 2008-01-31 01:27:38 UTC
From: Jonathan Helis KB5IAV
Topic: 3861 Message: 3918

> That is so true ! And if thats the problem, you could posibly mdify the
> radio to have a short pigtail coming out the back with Anderson Power
> Poles for the connector - much better than Molex !

I've ordered a new cable for the radio. It's a 20 year old cable and
it's probably time it was replaced.

--
73,

Jonathan Helis, KB5IAV
Baton Rouge, Louisiana, USA

3919. Re: [ham-antennas] Quick-release radials - suggestions

Yahoo group: ham-antennas (2008)
Date: 2008-01-31 02:22:30 UTC
From: danny garvin
Topic: 3888 Message: 3919

Callum
I have a radial system that I put together last year for field day. I built a vertical and for the radials I took some scrap galvanized sheet metal and cut 3 triangles approximately 4" on each side across one side I attached 4 radials across from that side at the point I attached a short jumper with a round terminal lugs on it at the grounding point of the antenna I put wing nuts on the bolts I made three of these radial modules that I keep on a small cable reel so all I have to do is un-reel all of the radials at once make three attachments and fan out the wires and I'm redy to go.

73's
Danny
WB9RIM

----- Original Message ----
From: Callum M0MCX <callum@...>
To: ham-antennas@yahoogroups.com
Sent: Monday, January 28, 2008 3:56:12 PM
Subject: [ham-antennas] Quick-release radials - suggestions

Our little club (callsign M0XXT) often goes out to a field and puts up 40m and 80m verticals with raised radials. I'm looking for a connector that can be used to snap the radials to a home-brew elevated grounding base. We seem to spend huge amounts of time with little nuts, screws and stuff and it never seems to go right. I can make almost anything but I just can't quite get into my head what sort of connector I'm after.

Someone mentioned those battery type connectors that they use on remote controlled models. Sounds quite good because we need strength and heavy-duty (radials tend to tug at the grounding base).

Anyone else got some ideas..?

Callum.

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

3920. Bazooka Balun

Yahoo group: ham-antennas (2008)
Date: 2008-01-31 02:14:00 UTC
From: Don Rand
Topic: 3920 Message: 3920

I have been looking at building a 4xQuad (WA6TEY) which uses a Bazooka Balun. I understand its purpose, but don't understand the construction.

Can someone elmer me on this one?

Don
KA5DON

[Non-text portions of this message have been removed]

3921. Re: Half Wave Open Loop, aka dipole bent into a rectangle in the att

Yahoo group: ham-antennas (2008)
Date: 2008-02-01 01:17:52 UTC
From: Jonathan Helis KB5IAV
Topic: 3861 Message: 3921

I got some spilt beads from Surplus Sales of Nebraska today. I ordered
them on Monday and they got here already. I was surprised. I'm going
to try putting them on the coaxes and the power cord and see if that helps.

I've been reading more about common mode currents and I hope the beads help.

--
73,

Jonathan Helis, KB5IAV
Baton Rouge, Louisiana, USA

3922. LMR 400 Question

Yahoo group: ham-antennas (2008)
Date: 2008-02-02 02:05:42 UTC
From: Jim
Topic: 3922 Message: 3922

Hello all,

I'm trying to figure out how to know when you bend LMR400 coax too tightly. I wanted to do a 2"diameter U-turn, but it seems too resistant for that. Is there a limit to how tight a bend you can put in coaxial cable? If so, where can you go to find that information?

Thanks guys,
Jim
W2JEM

3931. Coax or Ladder Line?

Yahoo group: ham-antennas (2008)
Date: 2008-02-03 15:03:57 UTC
From: kansas400
Topic: 3931 Message: 3931

Hi - I have a proposed installation of an HF antenna set up for use on 20 meters (no higher), and I need a 250 foot run of cable from my third floor to the field next door where I plan to put up both a vertical and a dipole (possibly GR5V) antenna and use that same feed line to feed both - I will just swap out the line at the antenna feed point depending upon which antenna I plan to use each day.

So with a long run like 250 feet, I'm not sure which will work best - coax or ladder line with the following conditions:

- the line will intersect with my metal roof for a few feet where it leaves my house

- the line will need to be buried for 75 feet of the run

- the line needs to be able to feed both the vertical antenna and the dipole (not at the same time).

- budget - say $150 or so for the feedline

Thanks very much for any advice on long runs such as my proposed installation. Thanks. K0EMG Bruce

3933. Re: [ham-antennas] Coax or Ladder Line?

Yahoo group: ham-antennas (2008)
Date: 2008-02-03 15:24:16 UTC
From: QRP_1@juno.com
Topic: 3931 Message: 3933

Bruce,
The type of feedline would depend on the antenna its feeding. You only want to run coax to feed a resonant (matched) antenna. With a 250' run of coax, the feedline losses would be much too high to feed a G5RV or similar antenna where it is not a matched antenna and you would be much better off running balanced feedline that far and use a tuner in the shack to provide the match. You could run 450 ohm feedline to a resonant antenna without using a tuner by putting a 9:1 balun at each end to convert it to 50 ohms at each end. Also, you don't want to burry balanced feedline - it needs to be run in the open to keep it from coupling to other things like the ground which will cause the losses to increase. If your vertical is the 50 ohm trapped type, you could use 50 ohm coax on it and burry it, but antennas like the G5RV would be better served by using the balanced feedline all the way to the shack.

Rick McKee, KC8AON, Ohio - www.angelfire.com/electronic2/qrp
Monthly QRP Field Day Group - http://groups.yahoo.com/group/MQFD/
With God all things are possible <><

3948. RE: [ham-antennas] Quick-release radials - suggestions

Yahoo group: ham-antennas (2008)
Date: 2008-02-04 15:41:49 UTC
From: Callum M0MCX
Topic: 3888 Message: 3948

OK, thanks for the different answers.

For the 40m antenna, I'll get some of those "remote control battery connectors" and use a small cable-tie to clamp it together.

For 80m, I first check on the strength of the 40m version otherwise I'll down Danny's route of a base plate that I can bolt directly to.

Thanks,

Callum.

http://www.m0mcx.co.uk/

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of danny garvin
Sent: 31 January 2008 02:23
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Quick-release radials - suggestions

Callum
I have a radial system that I put together last year for field day. I built a vertical and for the radials I took some scrap galvanized sheet metal and cut 3 triangles approximately 4" on each side across one side I attached 4 radials across from that side at the point I attached a short jumper with a round terminal lugs on it at the grounding point of the antenna I put wing nuts on the bolts I made three of these radial modules that I keep on a small cable reel so all I have to do is un-reel all of the radials at once make three attachments and fan out the wires and I'm redy to go.

73's
Danny
WB9RIM

----- Original Message ----
From: Callum M0MCX <callum@...
<mailto:callum%40mccormick.uk.com> >
To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
Sent: Monday, January 28, 2008 3:56:12 PM
Subject: [ham-antennas] Quick-release radials - suggestions

Our little club (callsign M0XXT) often goes out to a field and puts up 40m and 80m verticals with raised radials. I'm looking for a connector that can be used to snap the radials to a home-brew elevated grounding base. We seem to spend huge amounts of time with little nuts, screws and stuff and it never seems to go right. I can make almost anything but I just can't quite get into my head what sort of connector I'm after.

Someone mentioned those battery type connectors that they use on remote controlled models. Sounds quite good because we need strength and heavy-duty (radials tend to tug at the grounding base).

Anyone else got some ideas..?

Callum.

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

3949. Radials flash-over

Yahoo group: ham-antennas (2008)
Date: 2008-02-04 15:46:47 UTC
From: Callum M0MCX
Topic: 3949 Message: 3949

At the risk of showing off how crackers my crew are in the UK, we built an 80m vertical a couple of weekends ago and testing it on full power, the radials flashed over to the tent pegs that were holding them down. I never knew that radials had that potential!

Don't you love experimenting? :)

See here http://www.m0mcx.co.uk/?p=100

Callum.

[Non-text portions of this message have been removed]

3950. Re: [ham-antennas] Radials flash-over

Yahoo group: ham-antennas (2008)
Date: 2008-02-04 18:14:42 UTC
From: Andy
Topic: 3949 Message: 3950

> I never
> knew that radials had that potential!

If you think of the radials as "the other half of the dipole" (and perhaps even if you don't) ...

There is a current along the length of the vertical, which varies with position along its length, approaching zero at the end. Along with that, there is a voltage that varies with position too.

Likewise, you are sending an equal but opposite current into the radials, so you are going to have a current and a voltage that varies versus position along the radials too.

All this means so far is that the radials don't have zero voltage everywhere. They are not "ground!"

If you feed the antenna with coax from a grounded rig, and if you don't have currents on the outside of your coax, then the voltage at the end of the coax, where it connects to the radials, will likely be low. Presumably the radials are a quarter wavelength long. That means the voltage out on the ends of the radials is going to be maximum ... just like it is at the very top of your vertical.

In general, the end of a wire is a point of current minimum and voltage maximum.

This is a rather simplistic view of things, but I think it applies.

Regards,
Andy

3951. Re: Radials flash-over

Yahoo group: ham-antennas (2008)
Date: 2008-02-04 18:17:28 UTC
From: jerrybratton
Topic: 3949 Message: 3951

Andy,
What is the potential danger for a pet or child inadvertly walking over the radial field when transmitting?
Jerry KB9YV

--- In ham-antennas@yahoogroups.com, Andy <Andy.groups@...> wrote:
>
> > I never
> > knew that radials had that potential!
>
> If you think of the radials as "the other half of the dipole" (and perhaps
> even if you don't) ...
>
> There is a current along the length of the vertical, which varies with
> position along its length, approaching zero at the end. Along with that,
> there is a voltage that varies with position too.
>
> Likewise, you are sending an equal but opposite current into the radials, so
> you are going to have a current and a voltage that varies versus position
> along the radials too.
>
> All this means so far is that the radials don't have zero voltage
> everywhere. They are not "ground!"
>
> If you feed the antenna with coax from a grounded rig, and if you don't have
> currents on the outside of your coax, then the voltage at the end of the
> coax, where it connects to the radials, will likely be low. Presumably the
> radials are a quarter wavelength long. That means the voltage out on the
> ends of the radials is going to be maximum ... just like it is at the very
> top of your vertical.
>
> In general, the end of a wire is a point of current minimum and voltage
> maximum.
>

> This is a rather simplistic view of things, but I think it applies.
>
> Regards,
> Andy
>

3952. Re: [ham-antennas] Re: Radials flash-over

Yahoo group: ham-antennas (2008)
Date: 2008-02-04 18:38:36 UTC
From: Chris
Topic: 3949 Message: 3952

They could get badly zapped/burned. Thus all the emphasis of
isolating your antenna installs for safety reasons.

On Mon, Feb 4, 2008 at 1:17 PM, jerrybratton <gbratton@...> wrote:
> Andy,
> What is the potential danger for a pet or child inadvertly walking
> over the radial field when transmitting?
> Jerry KB9YV
>
>
>
>
>
> --- In ham-antennas@yahoogroups.com, Andy <Andy.groups@...> wrote:
> >
> > > I never
> > > knew that radials had that potential!
> >
> > If you think of the radials as "the other half of the dipole" (and
> perhaps
> > even if you don't) ...
> >
> > There is a current along the length of the vertical, which varies
> with
> > position along its length, approaching zero at the end. Along with
> that,
> > there is a voltage that varies with position too.
> >
> > Likewise, you are sending an equal but opposite current into the
> radials, so
> > you are going to have a current and a voltage that varies versus
> position
> > along the radials too.
> >
> > All this means so far is that the radials don't have zero voltage
> > everywhere. They are not "ground!"
> >
> > If you feed the antenna with coax from a grounded rig, and if you
> don't have
> > currents on the outside of your coax, then the voltage at the end
> of the
> > coax, where it connects to the radials, will likely be low.
> Presumably the
> > radials are a quarter wavelength long. That means the voltage out
> on the

> > ends of the radials is going to be maximum ... just like it is at
> the very
> > top of your vertical.
> >
> > In general, the end of a wire is a point of current minimum and
> voltage
> > maximum.
> >
> > This is a rather simplistic view of things, but I think it applies.
> >
> > Regards,
> > Andy
> >
>
>
>
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 974
members (as of 11/07/07, and attachments are NOT permitted.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
>
> Yahoo! Groups Links
>
>
>
>

3955. Re: [ham-antennas] Re: Radials flash-over

Yahoo group: ham-antennas (2008)
Date: 2008-02-04 18:51:04 UTC
From: Andy
Topic: 3949 Message: 3955

> What is the potential danger for a pet or child inadvertly walking
> over the radial field when transmitting?

A "radial field," as in buried radials, is a different animal. Those radials are in contact with the earth everywhere along their length, and that makes them totally different than the elevated radials in the subject in question.

Elevated radials might be just as "hot" as the so-called radiating element itself, and should be treated with similar caution.

Regards,
Andy

3956. Re: Radials flash-over

Yahoo group: ham-antennas (2008)
Date: 2008-02-04 20:07:55 UTC
From: jerrybratton
Topic: 3949 Message: 3956

Would having the radials "pinned" to the surface of the earth, not elevated still provide sufficient safety to a child or pet, while transmitting?
Thanks for your response.
Jerry KB9YV

--- In ham-antennas@yahoogroups.com, Andy <Andy.groups@...> wrote:
>
> > What is the potential danger for a pet or child inadvertly walking
> > over the radial field when transmitting?
>
> A "radial field," as in buried radials, is a different animal. Those
> radials are in contact with the earth everywhere along their length, and
> that makes them totally different than the elevated radials in the subject
> in question.
>
> Elevated radials might be just as "hot" as the so-called radiating element
> itself, and should be treated with similar caution.
>
> Regards,
> Andy
>

3959. RE: [ham-antennas] Re: LMR 400 Question

Yahoo group: ham-antennas (2008)
Date: 2008-02-04 21:04:40 UTC
From: Gary H. Harmon, Jr
Topic: 3922 Message: 3959

Gentlemen.....please remember that your responses go directly to the list. Personal attacks, whether warranted or not and sent to the list, will not be tolerated by the moderators. Cease and desist please.

73,

Gary H. Harmon, Jr. / K5JWK
6003 Archwood
San Antonio, TX 78239-1504
210.657.1549 h / 210.884.6926 c

"What Would Reagan Do?"

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Jim
Sent: Monday, February 04, 2008 2:52 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: LMR 400 Question

You need to shut up and mind your own business. It's people like you, making assumptions about everything, that are most of the problem.

For your information, Mr. know-it-all, I did look it up and did not find anything. I don't even know what LMR400 is. My ignorance is the reason I come here, not to tolerate big-mouths like you.

Jim

--- In ham-antennas@ <mailto:ham-antennas%40yahoogroups.com> yahoogroups.com, Chris <kingsqueak@...> wrote:
>
> > > Is there a limit to how tight a bend you can put
> > > in coaxial cable?
> >
>
> This whole thread has been just ridiculous...your very first responder
> was right on the money and you took a pot shot at the guy for helping
> you.
>
> http://www.qsl. <http://www.qsl.net/n9zia/wireless/lmr-400.html> net/n9zia/wireless/lmr-400.html
>

> Took me one search on google, was the third entry returned for
>
> "times microwave specifications"
>
> Now you can go tell your friends how awful and unhelpful hams are,
> though that is likely not a long list.
>
> If you are too lazy to look something up, you really shouldn't dare
to
> attack people for suggesting you do. You spent more time attacking
> people here than it would have taken you to just look it up.
>

[Non-text portions of this message have been removed]

3961. Re: [ham-antennas] Re: Radials flash-over

Yahoo group: ham-antennas (2008)
Date: 2008-02-04 22:14:53 UTC
From: Andy
Topic: 3949 Message: 3961

> Would having the radials "pinned" to the surface of the earth, not
> elevated still provide sufficient safety to a child or pet, while
> transmitting?

I don't know; that's a good question. (Anyone know?)

I'm told that pinning or laying the radials on the earth, makes them more like buried radials. It detunes them, probably makes their length uncritical, and may add loss to the antenna system depending on how many radials and what kind of ground you have, because more RF energy is coupled into the lossy soil.

Personally, I might be hesitant about having exposed wires where children or pets may be playing, for both electrical and physical (tripping safety) reasons. But mostly it's a big "don't know" whether it is really unsafe.

Andy

3962. Re: Radials flash-over

Yahoo group: ham-antennas (2008)
Date: 2008-02-05 00:10:07 UTC
From: Jim
Topic: 3949 Message: 3962

I would think as long as their inductance is low, there would be minimal voltage dropped. In other words, if someone had one foot on the ground and one foot on a radial, it should be relatively safe, if I understand it correctly.

I know when I designed my grouding system, I read loads of material and it all basically talked about keeping inductance low to provide a low resistance path for RF and lightning. Another thing that I came across was a statement that buried conductors exhibit very little or no inductance to RF, due to their contact with the ground.

I hope I didn't make it more confusing.

Jim

--- In ham-antennas@yahoogroups.com, Andy <Andy.groups@...> wrote:
>
> > Would having the radials "pinned" to the surface of the earth, not
> > elevated still provide sufficient safety to a child or pet, while
> > transmitting?
>
> I don't know; that's a good question. (Anyone know?)
>
> I'm told that pinning or laying the radials on the earth, makes
them more
> like buried radials. It detunes them, probably makes their length
> uncritical, and may add loss to the antenna system depending on how
many
> radials and what kind of ground you have, because more RF energy is
coupled
> into the lossy soil.
>
> Personally, I might be hesitant about having exposed wires where
children or
> pets may be playing, for both electrical and physical (tripping
safety)
> reasons. But mostly it's a big "don't know" whether it is really
unsafe.
>
> Andy
>

3963. Re: Radials flash-over

Yahoo group: ham-antennas (2008)
Date: 2008-02-05 01:34:32 UTC
From: Dave
Topic: 3949 Message: 3963

--- In ham-antennas@yahoogroups.com, Andy <Andy.groups@...> wrote:

>
> I'm told that pinning or laying the radials on the earth, makes them
more
> like buried radials. It detunes them, probably makes their length
> uncritical, and may add loss to the antenna system depending on how many
> radials and what kind of ground you have, because more RF energy is
coupled
> into the lossy soil.

All of the above is correct. If you insist on putting the radials
on-ground or just below ground, the requirements for simulating a
solid copper sheet go up dramatically.

>
> Personally, I might be hesitant about having exposed wires where
children or
> pets may be playing, for both electrical and physical (tripping safety)
> reasons. But mostly it's a big "don't know" whether it is really
unsafe.
>
> Andy
>

If there is enough voltage at the end of the radial to arc to ground,
then it is a sure sign of two things - the radial is not well coupled
to the earth, and you need a lot more of them so that you can get that
coupling.

By happenstance, I managed to get my vertical elevated...the prior
owner of the house had built a lifted wooden fort for his children.
It's about 12 feet off the ground. The vertical went in there.
Happily, that fort is situated at the intersection of two fences.
Therefore I could string three radials outward from the antenna, and
they would simply be situated directly above the fence line, where
nobody would attempt to walk anyway. Some 4 X 4 posts appropriately
placed allow the radials to be elevated high enough off the ground
that where a fence gate exists, even the local farmer's tractor can
make it through without touching the radials.

The performance of this elevated vertical is dramatically better than
when it was on the ground.

73,

Dave W8NF

3964. RE: [ham-antennas] Re: Radials flash-over

Yahoo group: ham-antennas (2008)
Date: 2008-02-05 14:59:11 UTC
From: Callum M0MCX
Topic: 3949 Message: 3964

Hi Dave,

>>> the radial is not well coupled to the earth,

You'll need to explain that one because being raised, I guess I don't want that?

Anyway, we ended up raising them by extending the radials with heavy duty nylon cord and it worked a treat.

C.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Dave
Sent: 05 February 2008 01:35
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: Radials flash-over

--- In ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
, Andy <Andy.groups@...> wrote:

>
> I'm told that pinning or laying the radials on the earth, makes them more
> like buried radials. It detunes them, probably makes their length
> uncritical, and may add loss to the antenna system depending on how many
> radials and what kind of ground you have, because more RF energy is coupled
> into the lossy soil.

All of the above is correct. If you insist on putting the radials on-ground or just below ground, the requirements for simulating a solid copper sheet go up dramatically.

>
> Personally, I might be hesitant about having exposed wires where children or
> pets may be playing, for both electrical and physical (tripping safety)
> reasons. But mostly it's a big "don't know" whether it is really unsafe.
>
> Andy
>

If there is enough voltage at the end of the radial to arc to ground, then it is a sure sign of two things - the radial is not well coupled to the earth, and you need a lot more of them so that you can get that

coupling.

By happenstance, I managed to get my vertical elevated...the prior owner of the house had built a lifted wooden fort for his children. It's about 12 feet off the ground. The vertical went in there. Happily, that fort is situated at the intersection of two fences. Therefore I could string three radials outward from the antenna, and they would simply be situated directly above the fence line, where nobody would attempt to walk anyway. Some 4 X 4 posts appropriately placed allow the radials to be elevated high enough off the ground that where a fence gate exists, even the local farmer's tractor can make it through without touching the radials.

The performance of this elevated vertical is dramatically better than when it was on the ground.

73,

Dave W8NF

[Non-text portions of this message have been removed]

3965. RE: [ham-antennas] Radials flash-over

Yahoo group: ham-antennas (2008)
Date: 2008-02-05 15:01:30 UTC
From: James Thresher
Topic: 3949 Message: 3965

Who you calling crackers ;-)

Doesn't everyone play in fields with giant antennas?

On second thoughts maybe it's just us!

Bring on the full size 160m!!

James

M3YOM

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
On Behalf Of Callum M0MCX
Sent: 04 February 2008 15:47
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Radials flash-over

At the risk of showing off how crackers my crew are in the UK, we built
an
80m vertical a couple of weekends ago and testing it on full power, the
radials flashed over to the tent pegs that were holding them down. I
never
knew that radials had that potential!

Don't you love experimenting? :)

See here http://www.m0mcx.co.uk/?p=100

Callum.

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

3966. RE: [ham-antennas] Re: Radials flash-over

Yahoo group: ham-antennas (2008)
Date: 2008-02-05 15:37:49 UTC
From: W8OKN
Topic: 3949 Message: 3966

Yes, please explain that comment.

Thanks,

From the desk of W8OKN, northern Michigan

---- Callum M0MCX <callum@...> wrote:

==========
Hi Dave,

>>> the radial is not well coupled to the earth,

You'll need to explain that one because being raised, I guess I don't want
that?

Anyway, we ended up raising them by extending the radials with heavy duty
nylon cord and it worked a treat.

C.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On
Behalf Of Dave
Sent: 05 February 2008 01:35
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: Radials flash-over

--- In ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
, Andy <Andy.groups@...> wrote:

>
> I'm told that pinning or laying the radials on the earth, makes them
more
> like buried radials. It detunes them, probably makes their length
> uncritical, and may add loss to the antenna system depending on how many
> radials and what kind of ground you have, because more RF energy is
coupled
> into the lossy soil.

All of the above is correct. If you insist on putting the radials
on-ground or just below ground, the requirements for simulating a
solid copper sheet go up dramatically.

>
> Personally, I might be hesitant about having exposed wires where
children or
> pets may be playing, for both electrical and physical (tripping safety)
> reasons. But mostly it's a big "don't know" whether it is really

unsafe.
>
> Andy
>

If there is enough voltage at the end of the radial to arc to ground, then it is a sure sign of two things - the radial is not well coupled to the earth, and you need a lot more of them so that you can get that coupling.

By happenstance, I managed to get my vertical elevated...the prior owner of the house had built a lifted wooden fort for his children. It's about 12 feet off the ground. The vertical went in there. Happily, that fort is situated at the intersection of two fences. Therefore I could string three radials outward from the antenna, and they would simply be situated directly above the fence line, where nobody would attempt to walk anyway. Some 4 X 4 posts appropriately placed allow the radials to be elevated high enough off the ground that where a fence gate exists, even the local farmer's tractor can make it through without touching the radials.

The performance of this elevated vertical is dramatically better than when it was on the ground.

73,

Dave W8NF

[Non-text portions of this message have been removed]

3967. RE: [ham-antennas] Radials flash-over

Yahoo group: ham-antennas (2008)
Date: 2008-02-05 16:01:24 UTC
From: Callum M0MCX
Topic: 3949 Message: 3967

(Crackers? Well, you and me for a starter James, closely followed by Tim and Aidan :))

I'm about to buy a 200 meter length of PVC coated FlexWeave from a friend of mine who owns an antenna company. As we know, field events need something resistant to tangles and will be happy to be put up and down regularly. Is this FlexWeave a UK variant of another brand available world-wide..?

For instance, see <http://www.wsplc.com/acatalog/Antenna_Cable.html> http://www.wsplc.com/acatalog/Antenna_Cable.html and look for PVC-50 PVC Covered Multi Stranded

Callum.

[Non-text portions of this message have been removed]

3968. Re: Radials flash-over

Yahoo group: ham-antennas (2008)
Date: 2008-02-05 16:47:45 UTC
From: Dave
Topic: 3949 Message: 3968

--- In ham-antennas@yahoogroups.com, "Callum M0MCX" <callum@...> wrote:
>
> Hi Dave,
>
> >>> the radial is not well coupled to the earth,
>
> You'll need to explain that one because being raised, I guess I
don't want
> that?

Yes, if your goal was raised radials,then you do not want them coupled to the earth. The benefit that arises from elevating the radials is reduction in ground losses. If they're raised at the vertical, but taper down towards the earth at the ends, then you can, indeed, have a flashover risk.

ON4UN's book "Low Band DXing" has a wealth of experimental data on transmit verticals with a comprehensive treatment of grounded verticals versus counterpoises (elevated radials).

> Anyway, we ended up raising them by extending the radials with heavy
duty
> nylon cord and it worked a treat.
>
> C.

That's a fine way to get the radials off the ground.

In my case, I end up having to attach something (radial or rope) to a tree or a planted pole, because we're in lush green growing agricultural country, and whatever I do, it must remain tractor-friendly for purposes of mowing the weeds. A wire tapering towards the earth is too easy to not see, and the fellow who does our mowing will be 96 in March so I wish to respect the condition of his eyesight!

73,

Dave W8NF

3969. Re: [ham-antennas] Re: Radials flash-over

Yahoo group: ham-antennas (2008)
Date: 2008-02-05 17:52:54 UTC
From: N9WB
Topic: 3949 Message: 3969

How far ir this antenna base from he ground? Do you have a ground rod connected to the base in addition to the radials? If not do so. You need ti anyway for lightning protection.

This may cool things off.

Vy 73, Walt N9WB

----- Original Message -----
From: Andy
To: ham-antennas@yahoogroups.com
Sent: Monday, February 04, 2008 5:14 PM
Subject: Re: [ham-antennas] Re: Radials flash-over

> Would having the radials "pinned" to the surface of the earth, not
> elevated still provide sufficient safety to a child or pet, while
> transmitting?

I don't know; that's a good question. (Anyone know?)

I'm told that pinning or laying the radials on the earth, makes them more like buried radials. It detunes them, probably makes their length uncritical, and may add loss to the antenna system depending on how many radials and what kind of ground you have, because more RF energy is coupled into the lossy soil.

Personally, I might be hesitant about having exposed wires where children or pets may be playing, for both electrical and physical (tripping safety) reasons. But mostly it's a big "don't know" whether it is really unsafe.

Andy

No virus found in this incoming message.
Checked by AVG Free Edition.
Version: 7.5.516 / Virus Database: 269.19.20/1260 - Release Date: 2/5/2008 9:44 AM

3970. RE: [ham-antennas] Re: Radials flash-over

Yahoo group: ham-antennas (2008)
Date: 2008-02-05 18:19:48 UTC
From: Callum M0MCX
Topic: 3949 Message: 3970

The base was 21 feet from ground and the radials ended up being about 18 inches from ground. Seemed to work great.

Ground rod connected to radials? No - this wouldn't work, the point is that I don't want it grounded at all?

I do actually have the Low Band DX book, I may get it back out tonight and read about this topic.

Callum.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of N9WB
Sent: 05 February 2008 17:53
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: Radials flash-over

How far ir this antenna base from he ground? Do you have a ground rod connected to the base in addition to the radials? If not do so. You need ti anyway for lightning protection.

This may cool things off.

Vy 73, Walt N9WB

----- Original Message -----
From: Andy
To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
Sent: Monday, February 04, 2008 5:14 PM
Subject: Re: [ham-antennas] Re: Radials flash-over

> Would having the radials "pinned" to the surface of the earth, not
> elevated still provide sufficient safety to a child or pet, while
> transmitting?

I don't know; that's a good question. (Anyone know?)

I'm told that pinning or laying the radials on the earth, makes them more like buried radials. It detunes them, probably makes their length uncritical, and may add loss to the antenna system depending on how many radials and what kind of ground you have, because more RF energy is coupled into the lossy soil.

Personally, I might be hesitant about having exposed wires where children or pets may be playing, for both electrical and physical (tripping safety) reasons. But mostly it's a big "don't know" whether it is really unsafe.

Andy

No virus found in this incoming message.
Checked by AVG Free Edition.
Version: 7.5.516 / Virus Database: 269.19.20/1260 - Release Date: 2/5/2008
9:44 AM

[Non-text portions of this message have been removed]

3971. Re: [ham-antennas] Re: Radials flash-over

Yahoo group: ham-antennas (2008)
Date: 2008-02-05 18:28:45 UTC
From: N9WB
Topic: 3949 Message: 3971

Actually running a wire from a ground rod to where the radials connect to the coax will not harm the resonant affect of them at all. If you grounded them at the ends, that would be a different story.

Being elevated that much, they will be hot just like the ends of the side of a dipole that attaches to the coax shield will be hot. I agree that the antenna will be much more efficient with the radials elevated in this manner.

Walt N9WB

----- Original Message -----
From: Callum M0MCX
To: ham-antennas@yahoogroups.com
Sent: Tuesday, February 05, 2008 1:19 PM
Subject: RE: [ham-antennas] Re: Radials flash-over

The base was 21 feet from ground and the radials ended up being about 18 inches from ground. Seemed to work great.

Ground rod connected to radials? No - this wouldn't work, the point is that I don't want it grounded at all?

I do actually have the Low Band DX book, I may get it back out tonight and read about this topic.

Callum.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of N9WB
Sent: 05 February 2008 17:53
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: Radials flash-over

How far ir this antenna base from he ground? Do you have a ground rod connected to the base in addition to the radials? If not do so. You need ti anyway for lightning protection.

This may cool things off.

Vy 73, Walt N9WB

----- Original Message -----
From: Andy
To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
Sent: Monday, February 04, 2008 5:14 PM
Subject: Re: [ham-antennas] Re: Radials flash-over

> Would having the radials "pinned" to the surface of the earth, not
> elevated still provide sufficient safety to a child or pet, while
> transmitting?

I don't know; that's a good question. (Anyone know?)

I'm told that pinning or laying the radials on the earth, makes them more like buried radials. It detunes them, probably makes their length uncritical, and may add loss to the antenna system depending on how many radials and what kind of ground you have, because more RF energy is coupled into the lossy soil.

Personally, I might be hesitant about having exposed wires where children or pets may be playing, for both electrical and physical (tripping safety) reasons. But mostly it's a big "don't know" whether it is really unsafe.

Andy

No virus found in this incoming message.
Checked by AVG Free Edition.
Version: 7.5.516 / Virus Database: 269.19.20/1260 - Release Date: 2/5/2008
9:44 AM

[Non-text portions of this message have been removed]

No virus found in this incoming message.
Checked by AVG Free Edition.
Version: 7.5.516 / Virus Database: 269.19.20/1260 - Release Date: 2/5/2008
9:44 AM

3972. Re: Radials flash-over

Yahoo group: ham-antennas (2008)
Date: 2008-02-05 23:32:24 UTC
From: Dave
Topic: 3949 Message: 3972

--- In ham-antennas@yahoogroups.com, "N9WB" <n9wb@...> wrote:
>
> Actually running a wire from a ground rod to where the radials
connect to
> the coax will not harm the resonant affect of them at all. If you
grounded
> them at the ends, that would be a different story.
>
> Being elevated that much, they will be hot just like the ends of the
side of
> a dipole that attaches to the coax shield will be hot. I agree that the
> antenna will be much more efficient with the radials elevated in this
> manner.
>
>
> Walt N9WB

Ah, but you do not connect a ground rod to the side of your dipole
that is tied to the coax shield. That would make it a different antenna.

For static drain purposes, a ground rod may or may not be a good idea.
A lightning protection system is exactly that - a "system". Randomly
adding a rod in the wrong spot may actually increase your risks in the
event of a lightning hit. Although I would acknowledge that
typically, rods planted out in the antenna field are not the ones that
increase the fault currents inside the home.

If you run a wire from the "radial" end of the vertical to a ground
rod, and that wire conducts any RF current, then you have just changed
the characteristics of the antenna'a radiation pattern. If electrical
code requires this connection to be made, then do it through an
inductor, so that the presence of the wire does not degrade the
vertical's performance.

An elevated vertical is, indeed, like a dipole - you want the two
connections to the vertical to be floating, neither grounded. Purists
go so far as to use a sleeve balun on the feeder coax.

In my case I admit I'm relying on good providence - we don't get
lightning in my area and I've done nothing about grounding for
lightning safety. If I still lived in the midwest, I'd take it a lot
more seriously.

Dave W8NF

3973. Re: Half Wave Open Loop, aka dipole bent into a rectangle in the att

Yahoo group: ham-antennas (2008)
Date: 2008-02-06 02:32:44 UTC
From: Jonathan Helis KB5IAV
Topic: 3861 Message: 3973

Tried the new power cable today, rig still shutting down when I try to transmit SSB. Beginning to wonder if I should junk the twinlead and go for coax or even single wire feed. I once had an antenna with a single wire feed and never had this problem, and those are supposed to be the worst for RF in the shack issues, if that is the problem.

I've also snapped split beads on the coaxes and the power cable from the power supply to the rig and that hasn't helped. Wondering what else to do.
--
73,

Jonathan Helis, KB5IAV
Baton Rouge, Louisiana, USA

3974. Re: [ham-antennas] Re: Half Wave Open Loop, aka dipole bent into a rectangle in the att

Yahoo group: ham-antennas (2008)
Date: 2008-02-06 02:56:42 UTC
From: Russ N3TIH
Topic: 3861 Message: 3974

Just outta curiosity, i havent been following the post , but by chance are you trying 40 meters with a switching power supply for the rig?
my situation is Kenwood TS-140 and Yaesu Ft-100d and a Radioshack 25 amp switching powersupply . Any kind of 40 meter at all above 3 watts causes the ciricutry in the pwr supply to lose timing cycle and shut off . Going back to a Transformer Based pwr supply . full 100 watts both radios , and full 100 watts CW both radios on to a common fed 4 band dipole (300 ohm twin lead) and mfj-949c tuner.

Russ - N3TIH

From the Desk of
Russ N3TIH
Canton, PA
-=Communications make life go round =-

[Non-text portions of this message have been removed]

3975. Feedline Length

Yahoo group: ham-antennas (2008)
Date: 2008-02-06 03:20:09 UTC
From: Jim
Topic: 3975 Message: 3975

Hi,

I have what I hope are not received as stupid questions. I was wondering what is the proper method to calculate feedline length and how much the length actually matters in practical applications. I will be using LMR-400 with a Windom on 160 Meters.

Thanks for any help,
Jim
W2JEM

3976. Tuning up a ground-mounted vertical

Yahoo group: ham-antennas (2008)
Date: 2008-02-06 14:36:17 UTC
From: w2nsf
Topic: 3976 Message: 3976

Hello. I've been struggling with which of two methods to use in tuning up my ground mounted vertical antenna system, which has a feedline choke at the base and 32 radials. What I did initially is measure the SWR in my shack, at the end of my 85 feet of feedline. I reasoned that the impedance that my transceiver saw there was more representative, as I was "tuning up" my entire antenna system. Then, I heard from an expert that this was not a fair tuneup of this antenna, and I should have used a short coax pigtail and tuned it up right at the antenna itself. His arguement was that the generous bandwidth I saw at the end of the coax falsely represented the antenna's actual performance. This is what I think I know: a low SWR of my entire antenna system (antenna plus feedline) means a "happy" transceiver output stage, and more energy is being transferred to the system. Of course, if that energy is not radiated efficiently by the antenna itself, then even though my transmitter's output stage is happy, I'm not radiating all the energy I can, and that, of course, is not a good thing. Can anyone help me here? Thanks, 73, Jim, W2NSF

3977. RE: [ham-antennas] Tuning up a ground-mounted vertical

Yahoo group: ham-antennas (2008)
Date: 2008-02-06 14:56:58 UTC
From: James M.(Jim) Geidl
Topic: 3976 Message: 3977

Jim,

Don't know what you are using to tune you 'tenna but if you have access to a AIM-4170 analyzer you can have it both ways. The analyzer is intelligent enough that it can "remove" the coax from the testing while testing through it. You tell it about your coax and it figures out what to eliminate from the testing figures and effectively tests the antenna without the coax influencing the figures.

Jim, K6JMG
//

> Subject: [ham-antennas] Tuning up a ground-mounted vertical
>
> Hello. I've been struggling with which of two methods to use
> in tuning up my ground mounted vertical antenna system, which
> has a feedline choke at the base and 32 radials.
> What I did initially is measure the SWR in my shack, at the
> end of my 85 feet of feedline. I reasoned that the impedance
> that my transceiver saw there was more representative, as I
> was "tuning up" my entire antenna system. Then, I heard from
> an expert that this was not a fair tuneup of this antenna,
> and I should have used a short coax pigtail and tuned it up
> right at the antenna itself. His arguement was that the
> generous bandwidth I saw at the end of the coax falsely
> represented the antenna's actual performance. This is what I
> think I know: a low SWR of my entire antenna system (antenna
> plus feedline) means a "happy" transceiver output stage, and
> more energy is being transferred to the system. Of course, if
> that energy is not radiated efficiently by the antenna
> itself, then even though my transmitter's output stage is
> happy, I'm not radiating all the energy I can, and that, of
> course, is not a good thing. Can anyone help me here? Thanks,
> 73, Jim, W2NSF

3978. Re: [ham-antennas] Feedline Length

Yahoo group: ham-antennas (2008)
Date: 2008-02-06 15:10:57 UTC
From: Dean L.
Topic: 3975 Message: 3978

Think of your feed line like a Truck... You just dump your RF onto it and drive to the antenna. You may loose a little on the way but not much. How far ? With LMR 400 you can go a long way before you loose enough to worry about. The Coax is not a tuned part of your antenna system.

73 Dean W5GXL

Disclaimer: Any errors in spelling, or fact are
transmission errors.

On Feb 5, 2008, at 9:20 PM, Jim wrote:

> Hi,
>
> I have what I hope are not received as stupid questions. I was
> wondering what is the proper method to calculate feedline length and
> how much the length actually matters in practical applications. I will
> be using LMR-400 with a Windom on 160 Meters.
>
> Thanks for any help,
> Jim
> W2JEM
>

[Non-text portions of this message have been removed]

3979. Re: Tuning up a ground-mounted vertical

Yahoo group: ham-antennas (2008)
Date: 2008-02-06 15:49:07 UTC
From: w2nsf
Topic: 3976 Message: 3979

Jim,
I guess I should have mentioned I was using a borrowed MFJ-259B analyzer.
I'll certainly check out the AIM-4170, if I can find one to borrow, but I'll have to borrow their PC, too, as I'm running Macintoshes here (hi, hi).
Thanks for your reply.
73,
Jim, W2NSF

--- In ham-antennas@yahoogroups.com, "James M.\(Jim\) Geidl" <jgeidl@...> wrote:
>
> Jim,
>
> Don't know what you are using to tune you 'tenna but if you have access to a
> AIM-4170 analyzer you can have it both ways. The analyzer is intelligent
> enough that it can "remove" the coax from the testing while testing through
> it. You tell it about your coax and it figures out what to eliminate from
> the testing figures and effectively tests the antenna without the coax
> influencing the figures.
>
> Jim, K6JMG
> //
>
>
> > Subject: [ham-antennas] Tuning up a ground-mounted vertical
> >
> > Hello. I've been struggling with which of two methods to use
> > in tuning up my ground mounted vertical antenna system, which
> > has a feedline choke at the base and 32 radials.
> > What I did initially is measure the SWR in my shack, at the
> > end of my 85 feet of feedline. I reasoned that the impedance
> > that my transceiver saw there was more representative, as I
> > was "tuning up" my entire antenna system. Then, I heard from
> > an expert that this was not a fair tuneup of this antenna,
> > and I should have used a short coax pigtail and tuned it up
> > right at the antenna itself. His arguement was that the
> > generous bandwidth I saw at the end of the coax falsely
> > represented the antenna's actual performance. This is what I
> > think I know: a low SWR of my entire antenna system (antenna
> > plus feedline) means a "happy" transceiver output stage, and
> > more energy is being transferred to the system. Of course, if
> > that energy is not radiated efficiently by the antenna
> > itself, then even though my transmitter's output stage is
> > happy, I'm not radiating all the energy I can, and that, of
> > course, is not a good thing. Can anyone help me here? Thanks,
> > 73, Jim, W2NSF

>

3980. RE: [ham-antennas] Re: Tuning up a ground-mounted vertical

Yahoo group: ham-antennas (2008)
Date: 2008-02-06 15:56:08 UTC
From: James M.(Jim) Geidl
Topic: 3976 Message: 3980

Jim,

I am not sure if most ham gear will operate properly if it is installed in
the same room with Apple equipment. ;-)

Jim, K6JMG
//

> Subject: [ham-antennas] Re: Tuning up a ground-mounted vertical
>
> Jim,
> I guess I should have mentioned I was using a borrowed
> MFJ-259B analyzer.
> I'll certainly check out the AIM-4170, if I can find one to
> borrow, but I'll have to borrow their PC, too, as I'm running
> Macintoshes here (hi, hi).
> Thanks for your reply.
> 73,
> Jim, W2NSF
>
> --- In ham-antennas@yahoogroups.com, "James M.\(Jim\) Geidl"
> <jgeidl@...> wrote:
> >
> > Jim,
> >
> > Don't know what you are using to tune you 'tenna but if you have
> > access to a AIM-4170 analyzer you can have it both ways.
> The analyzer
> > is intelligent enough that it can "remove" the coax from
> the testing
> > while testing through it. You tell it about your coax and
> it figures
> > out what to eliminate from the testing figures and
> effectively tests
> > the antenna without the coax influencing the figures.
> >
> > Jim, K6JMG
> > //
> >
> >
> > > Subject: [ham-antennas] Tuning up a ground-mounted vertical
> > >
> > > Hello. I've been struggling with which of two methods to use in
> > > tuning up my ground mounted vertical antenna system, which has a
> > > feedline choke at the base and 32 radials.
> > > What I did initially is measure the SWR in my shack, at

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> > > my entire antenna system. Then, I heard from an expert
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> even though
> > > my transmitter's output stage is happy, I'm not radiating all the
> > > energy I can, and that, of course, is not a good thing.
> Can anyone
> > > help me here? Thanks, 73, Jim, W2NSF

3981. Re: Apartment dweller - HF antenna

Yahoo group: ham-antennas (2008)
Date: 2008-02-06 16:09:39 UTC
From: ash_lee52
Topic: 3632 Message: 3981

The Buddipole only appears to be a symetric dipole... the 2 coils are actually wound differently, and the instructions have you tap them at different settings... producing an off center fed antenna with closer to 50 ohm loading. They also sell a balun which can allow symetric set-ups.

The Buddipole works well. But for more permanent stealth set-ups I would recommend two alternatives... the Par End-Fedz (see www.eham.com reviews) which are tremendously efficient (and cheap) end fed wire antennas, or the TW-2010 which is a compact capacity hatted vertical dipole which I can set up inless than a minute, and which, even when set up inside, is terrifically effective. If you don't have a way to hoist a wire antenna the "jackite" poles listed on E-bay are a very good solution.

WW0AL
Ash

--- In ham-antennas@yahoogroups.com, "Kuby" <n6jsx@...> wrote:
>
> Currently, I'm Contracting and living in an apartment. Of course there
> is no attachable antennas allowed. So I've been eying the buddy-pole
> concept but find it flawed right away.
>
> This buddy-pole is directed towards bare-foot HF rigs, QRP, FD, etc.
> But being a flat Horizontal dipole the there will be a gross impedance
> coax mis-match (300 ohms to 50 ohms).
>
> With just a lil more metal they could put the Hamstick elements at 120
> degrees angle (inverted V) which has the reactance of 50 ohms. [I'm
> sure you see where I'm going with this.]
>
> The super short Hamstick elements are already a significant compromise
> but then add this impedance mis-match and I'm not to eager to buy this
> dipole gizmo antenna compromise. BUT if I could get to the MFG'er and
> put a bug in their ear to make a same type mount for 120 degree
> element model ---> Well I'm up for a buy and try!
>
> Any leads on where/who the MFG'er(s) are?
>

> N6JSX/0
>
> **********
> FYI, I bought and installed a "3/8-24 HD ANTENNA 180 DEGREE LIFT AND
> FOLD OVER MOUNT T203EZ" for my SUV screwdriver whip. It has been on
my
> SUV less than 30 days and is already bleeding "rust" from the
internal
> position spring or un-plated guts. The outside may be chromed or SS
> but not the guts.
>

3982. Re: Apartment dweller - HF antenna

Yahoo group: ham-antennas (2008)
Date: 2008-02-06 16:10:14 UTC
From: ash_lee52
Topic: 3632 Message: 3982

The Buddipole only appears to be a symetric dipole... the 2 coils are actually wound differently, and the instructions have you tap them at different settings... producing an off center fed antenna with closer to 50 ohm loading. They also sell a balun which can allow symetric set-ups.

The Buddipole works well. But for more permanent stealth set-ups I would recommend two alternatives... the Par End-Fedz (see www.eham.com reviews) which are tremendously efficient (and cheap) end fed wire antennas, or the TW-2010 which is a compact capacity hatted vertical dipole which I can set up inless than a minute, and which, even when set up inside, is terrifically effective. If you don't have a way to hoist a wire antenna the "jackite" poles listed on E-bay are a very good solution.

WW0AL
Ash

--- In ham-antennas@yahoogroups.com, "Kuby" <n6jsx@...> wrote:
>
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> is no attachable antennas allowed. So I've been eying the buddy-pole
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>
> This buddy-pole is directed towards bare-foot HF rigs, QRP, FD, etc.
> But being a flat Horizontal dipole the there will be a gross impedance
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>
> With just a lil more metal they could put the Hamstick elements at 120
> degrees angle (inverted V) which has the reactance of 50 ohms. [I'm
> sure you see where I'm going with this.]
>
> The super short Hamstick elements are already a significant compromise
> but then add this impedance mis-match and I'm not to eager to buy this
> dipole gizmo antenna compromise. BUT if I could get to the MFG'er and
> put a bug in their ear to make a same type mount for 120 degree
> element model ---> Well I'm up for a buy and try!
>
> Any leads on where/who the MFG'er(s) are?
>

> N6JSX/0
>
> **********
> FYI, I bought and installed a "3/8-24 HD ANTENNA 180 DEGREE LIFT AND
> FOLD OVER MOUNT T203EZ" for my SUV screwdriver whip. It has been on
my
> SUV less than 30 days and is already bleeding "rust" from the
internal
> position spring or un-plated guts. The outside may be chromed or SS
> but not the guts.
>

3983. Re: [ham-antennas] Tuning up a ground-mounted vertical

Yahoo group: ham-antennas (2008)
Date: 2008-02-06 16:47:44 UTC
From: Chris
Topic: 3976 Message: 3983

O.k. so it's a vertical, is it just a plain 1/4 wave radiator or is it
a multi-band? Does it have linear loading or traps?

Are you wide band tuning it or using it for a dedicated and resonant band?

More info to be able to give you better advice.

On Feb 6, 2008 9:36 AM, w2nsf <schulstrasse23@...> wrote:
> Hello. I've been struggling with which of two methods to use in tuning up my ground
> mounted vertical antenna system, which has a feedline choke at the base and 32 radials.
> What I did initially is measure the SWR in my shack, at the end of my 85 feet of
feedline. I

If it is say a 20m vertical and you are trying to wide-band tune it,
you would be better served to put the tuner at the feed point of the
antenna, particularly feeding with coax and using ground radials
rather than elevated. The SWR will be high as you move out of the
band and you want to minimize the losses.

Depends a lot on what you specifically have and what you intend to do with it.

3984. Re: [ham-antennas] Re: Apartment dweller - HF antenna

Yahoo group: ham-antennas (2008)
Date: 2008-02-06 17:33:48 UTC
From: qrp_1@juno.com
Topic: 3632 Message: 3984

The Buddipole works well. But for more permanent stealth set-ups I
would recommend two alternatives... the Par End-Fedz (see
www.eham.com reviews) which are tremendously efficient (and cheap)
end fed wire antennas,[snip]

They all work well, but if you have a good tuner, you could just use an end fed halfwave wire and do the same thing, Not much to it, just cut the wire one half wave in length by using the formula 468/freq mhz = length in feet, then string it up and connect it to the tuner. It will also work on bands that are harmonically related. SO a wire cut for 3.5 mhz will also work on 7, 14, 21, & 28 mhz. Even with high copper prices wire is still cheaper than commecial versions !

73
Rick
KC8AON

_____
Better by design. Click here for professional graphic artists!
http://thirdpartyoffers.juno.com/TGL2121/fc/Ioyw6i3m0uaSHTO1t5hFvvcgisjnJfnNyu1HE5leZh5UbMvZSS8Dmo/

3985. Re: Feedline Length

Yahoo group: ham-antennas (2008)
Date: 2008-02-06 18:08:11 UTC
From: Jim
Topic: 3975 Message: 3985

Thanks Dean. I was reading about a dipole where the feedline was to be of a certain length and I couldn't figure out why. I'm not gonna worry about it.

Jim

--- In ham-antennas@yahoogroups.com, "Dean L." <w5gxl@...> wrote:
>
> Think of your feed line like a Truck... You just dump your RF onto it
> and drive to the antenna. You may loose a little on the way but not
> much. How far ? With LMR 400 you can go a long way before you loose
> enough to worry about. The Coax is not a tuned part of your antenna
> system.
>
> 73 Dean W5GXL
>
> Disclaimer: Any errors in spelling, or fact are
> transmission errors.
>
>
>
>
>
> On Feb 5, 2008, at 9:20 PM, Jim wrote:
>
> > Hi,
> >
> > I have what I hope are not received as stupid questions. I was
> > wondering what is the proper method to calculate feedline length and
> > how much the length actually matters in practical applications. I will
> > be using LMR-400 with a Windom on 160 Meters.
> >
> > Thanks for any help,
> > Jim
> > W2JEM
> >
>
>
>

> [Non-text portions of this message have been removed]
>

3986. Re: Tuning up a ground-mounted vertical

Yahoo group: ham-antennas (2008)
Date: 2008-02-06 18:56:54 UTC
From: Dave
Topic: 3976 Message: 3986

--- In ham-antennas@yahoogroups.com, "w2nsf" <schulstrasse23@...> wrote:
>
> Hello. I've been struggling with which of two methods to use in tuning up my ground
> mounted vertical antenna system, which has a feedline choke at the base and 32 radials.
> What I did initially is measure the SWR in my shack, at the end of my 85 feet of feedline. I
> reasoned that the impedance that my transceiver saw there was more representative, as I
> was "tuning up" my entire antenna system. Then, I heard from an expert that this was not a
> fair tuneup of this antenna, and I should have used a short coax pigtail and tuned it up right
> at the antenna itself. His arguement was that the generous bandwidth I saw at the end of the
> coax falsely represented the antenna's actual performance. This is what I think I know: a low
> SWR of my entire antenna system (antenna plus feedline) means a "happy" transceiver output
> stage, and more energy is being transferred to the system. Of course, if that energy is not
> radiated efficiently by the antenna itself, then even though my transmitter's output stage is
> happy, I'm not radiating all the energy I can, and that, of course, is not a good thing. Can
> anyone help me here? Thanks, 73, Jim, W2NSF
>

1) With a ground-mounted vertical, the choke balun on the feeder is probably doing nothing...but it doesn't hurt.

2) 85 feet of larger-sized feedline (RG-8, RG-213) introduces low enough loss that if the vertical is close to properly tuned, your in-shack SWR and bandwidth measurements are close enough to get you where you need to go.

3) If you have to stand near the vertical to use the MFJ-259 device, then you will disturb the vertical's tuning with your body to a greater extent than the error caused by measuring through the feedline.

4) Get a PC. There's so much free stuff that's beneficial for ham radio that you really do need one. You don't need much of one. Our family's computing needs are covered by several Macs, but I still got a PC for ham radio. I spent $100 and got a fairly modern 2.8GHz Pentium 4, Windows XP, and a 19" CRT monitor. For free, you could get

about an 800MHz Pentium III with Windows XP and a 17" monitor. Use your local Craigslist to find one. Put free AVG virus scanner on the PC and then you'll be at no risk for connecting to the 'net or whatever. Bonus - now you can play ham radio with the computer involved for logging, DX spotting, etc, to your heart's content, without stopping the rest of the family from using the Mac.

Dave W8NF

3987. Feeding a vertical with open wire feeder

Yahoo group: ham-antennas (2008)
Date: 2008-02-06 20:35:01 UTC
From: Callum M0MCX
Topic: 3987 Message: 3987

Whilst we're all thinking about verticals recently, a thought occurred to me of feeding an elevated radial vertical with open wire feeder, I assume one can work out which is the "hot" line of the feeder - and feed the vertical radiator with it - and feed the radials appropriately near the base of the antenna with the other half?

Callum

M0MCX

[Non-text portions of this message have been removed]

3988. Re: [ham-antennas] Feeding a vertical with open wire feeder

Yahoo group: ham-antennas (2008)
Date: 2008-02-06 20:38:22 UTC
From: Chris
Topic: 3987 Message: 3988

In an ideal free-space world, both sides should have equal currents.
There isn't (well shouldn't be) a 'hot' line with ladder feed. It
shouldn't make a difference.

On Feb 6, 2008 3:35 PM, Callum M0MCX <callum@...> wrote:
> Whilst we're all thinking about verticals recently, a thought occurred to me
> of feeding an elevated radial vertical with open wire feeder, I assume one
> can work out which is the "hot" line of the feeder - and feed the vertical
> radiator with it - and feed the radials appropriately near the base of the
> antenna with the other half?
>
>
>
> Callum
>
> M0MCX
>
>
>
> [Non-text portions of this message have been removed]
>
>
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 974
members (as of 11/07/07, and attachments are NOT permitted.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
>
> Yahoo! Groups Links
>
>
>
>

3989. RE: [ham-antennas] Re: LMR 400 Question

Yahoo group: ham-antennas (2008)
Date: 2008-02-06 21:42:47 UTC
From: Carl Campbell
Topic: 3922 Message: 3989

NOW! NOW! Play Nice little Children.

"Gary H. Harmon, Jr" <gharmon@...> wrote: Gentlemen.....please remember that your responses go directly to the list.
Personal attacks, whether warranted or not and sent to the list, will not be tolerated by the moderators. Cease and desist please.

73,

Gary H. Harmon, Jr. / K5JWK
6003 Archwood
San Antonio, TX 78239-1504
210.657.1549 h / 210.884.6926 c

"What Would Reagan Do?"

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Jim
Sent: Monday, February 04, 2008 2:52 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: LMR 400 Question

You need to shut up and mind your own business. It's people like you, making assumptions about everything, that are most of the problem.

For your information, Mr. know-it-all, I did look it up and did not find anything. I don't even know what LMR400 is. My ignorance is the reason I come here, not to tolerate big-mouths like you.

Jim

--- In ham-antennas@ <mailto:ham-antennas%40yahoogroups.com> yahoogroups.com, Chris <kingsqueak@...> wrote:
>
> > > Is there a limit to how tight a bend you can put
> > > in coaxial cable?
> >
>
> This whole thread has been just ridiculous...your very first responder
> was right on the money and you took a pot shot at the guy for helping
> you.
>

> http://www.qsl. <http://www.qsl.net/n9zia/wireless/lmr-400.html>
net/n9zia/wireless/lmr-400.html
>
> Took me one search on google, was the third entry returned for
>
> "times microwave specifications"
>
> Now you can go tell your friends how awful and unhelpful hams are,
> though that is likely not a long list.
>
> If you are too lazy to look something up, you really shouldn't dare
to
> attack people for suggesting you do. You spent more time attacking
> people here than it would have taken you to just look it up.
>

[Non-text portions of this message have been removed]

Never miss a thing. Make Yahoo your homepage.

[Non-text portions of this message have been removed]

3990. Re: [ham-antennas] Feeding a vertical with open wire feeder

Yahoo group: ham-antennas (2008)
Date: 2008-02-06 22:16:53 UTC
From: k9ttt@comcast.net
Topic: 3987 Message: 3990

Actually, for all practical purposes, when you buy the ladder lline, which usually comes in a roll, :-), you could just spray paint one side while in the box and the edge would be visable. Then when using for a project that requires that the line be polarized you have a reference. Can't think of any projects at hand, but sure there must be some applications.
Dale K9TTT

[Non-text portions of this message have been removed]

3991. Re: LMR 400 Question

Yahoo group: ham-antennas (2008)
Date: 2008-02-07 00:06:29 UTC
From: Jim
Topic: 3922 Message: 3991

You don't get out much, do you?

--- In ham-antennas@yahoogroups.com, Carl Campbell <camtn913@...>
wrote:
>
> NOW! NOW! Play Nice little Children.
>
> "Gary H. Harmon, Jr" <gharmon@...> wrote:
Gentlemen.....please remember that your responses go directly to the
list.
> Personal attacks, whether warranted or not and sent to the list,
will not be
> tolerated by the moderators. Cease and desist please.
>
> 73,
>
> Gary H. Harmon, Jr. / K5JWK
> 6003 Archwood
> San Antonio, TX 78239-1504
> 210.657.1549 h / 210.884.6926 c
>
> "What Would Reagan Do?"
>
>
>
>
> _____
>
> From: ham-antennas@yahoogroups.com [mailto:ham-
antennas@yahoogroups.com] On
> Behalf Of Jim
> Sent: Monday, February 04, 2008 2:52 PM
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] Re: LMR 400 Question
>
> You need to shut up and mind your own business. It's people like
> you, making assumptions about everything, that are most of the
> problem.
>
> For your information, Mr. know-it-all, I did look it up and did not
> find anything. I don't even know what LMR400 is. My ignorance is
> the reason I come here, not to tolerate big-mouths like you.
>
> Jim
>

> --- In ham-antennas@ <mailto:ham-antennas%40yahoogroups.com>
> yahoogroups.com, Chris <kingsqueak@> wrote:
> >
> > > > Is there a limit to how tight a bend you can put
> > > > in coaxial cable?
> > >
> >
> > This whole thread has been just ridiculous...your very first
> responder
> > was right on the money and you took a pot shot at the guy for
> helping
> > you.
> >
> > http://www.qsl. <http://www.qsl.net/n9zia/wireless/lmr-400.html>
> net/n9zia/wireless/lmr-400.html
> >
> > Took me one search on google, was the third entry returned for
> >
> > "times microwave specifications"
> >
> > Now you can go tell your friends how awful and unhelpful hams are,
> > though that is likely not a long list.
> >
> > If you are too lazy to look something up, you really shouldn't
dare
> to
> > attack people for suggesting you do. You spent more time attacking
> > people here than it would have taken you to just look it up.
> >
>
> [Non-text portions of this message have been removed]
>
>
>
>
>
>
> ---
> Never miss a thing. Make Yahoo your homepage.
>
> [Non-text portions of this message have been removed]
>

3992. Re: [ham-antennas] Feeding a vertical with open wire feeder

Yahoo group: ham-antennas (2008)
Date: 2008-02-07 00:33:45 UTC
From: danny garvin
Topic: 3987 Message: 3992

Since the balun in the tuner converts the signal from un-balanced to balanced it won't matter whitch way you hook it up.
73
Danny

----- Original Message ----
From: Callum M0MCX <callum@...>
To: ham-antennas@yahoogroups.com
Sent: Wednesday, February 6, 2008 2:35:01 PM
Subject: [ham-antennas] Feeding a vertical with open wire feeder

Whilst we're all thinking about verticals recently, a thought occurred to me of feeding an elevated radial vertical with open wire feeder, I assume one can work out which is the "hot" line of the feeder - and feed the vertical radiator with it - and feed the radials appropriately near the base of the antenna with the other half?

Callum

M0MCX

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

3993. Re: [ham-antennas] Re: Stop the antagonistic thread

Yahoo group: ham-antennas (2008)
Date: 2008-02-07 02:08:01 UTC
From: Gene Gabry
Topic: 3922 Message: 3993

Jim, PLEASE STOP WITH THESE ANTAGONISTIC COMMENTS,
ENOUGH IS ENOUGH!

N9TF
--- Jim <jimemack2000@...> wrote:

> You don't get out much, do you?
>
> --- In ham-antennas@yahoogroups.com, Carl Campbell
> <camtn913@...>
> wrote:
> >
> > NOW! NOW! Play Nice little Children.
> >
> > "Gary H. Harmon, Jr" <gharmon@...> wrote:
>
> Gentlemen.....please remember that your responses
> go directly to the
> list.
> > Personal attacks, whether warranted or not and
> sent to the list,
> will not be
> > tolerated by the moderators. Cease and desist
> please.
> >
> > 73,
> >
> > Gary H. Harmon, Jr. / K5JWK
> > 6003 Archwood
> > San Antonio, TX 78239-1504
> > 210.657.1549 h / 210.884.6926 c
> >
> > "What Would Reagan Do?"
> >
> >
> >
> >
> > _____
> >
> > From: ham-antennas@yahoogroups.com [mailto:ham-
> antennas@yahoogroups.com] On
> > Behalf Of Jim
> > Sent: Monday, February 04, 2008 2:52 PM
> > To: ham-antennas@yahoogroups.com
> > Subject: [ham-antennas] Re: LMR 400 Question

> >
> > You need to shut up and mind your own business.
> It's people like
> > you, making assumptions about everything, that are
> most of the
> > problem.
> >
> > For your information, Mr. know-it-all, I did look
> it up and did not
> > find anything. I don't even know what LMR400 is.
> My ignorance is
> > the reason I come here, not to tolerate big-mouths
> like you.
> >
> > Jim
> >
> > --- In ham-antennas@
> <mailto:ham-antennas%40yahoogroups.com>
> > yahoogroups.com, Chris <kingsqueak@> wrote:
> > >
> > > > > Is there a limit to how tight a bend you can
> put
> > > > > > in coaxial cable?
> > > > >
> > >
> > > This whole thread has been just
> ridiculous...your very first
> > responder
> > > was right on the money and you took a pot shot
> at the guy for
> > helping
> > > you.
> > >
> > > http://www.qsl.
> <http://www.qsl.net/n9zia/wireless/lmr-400.html>
> > net/n9zia/wireless/lmr-400.html
> > >
> > > Took me one search on google, was the third
> entry returned for
> > >
> > > "times microwave specifications"
> > >
> > > Now you can go tell your friends how awful and
> unhelpful hams are,
> > > though that is likely not a long list.
> > >
> > > If you are too lazy to look something up, you
> really shouldn't
> dare
> > to

> > > attack people for suggesting you do. You spent
> more time attacking
> > > people here than it would have taken you to just
> look it up.
> > >
> >
> > [Non-text portions of this message have been
> removed]
> >
> >
> >
> >
> >
> >
> > ---
> > Never miss a thing. Make Yahoo your homepage.
> >
> > [Non-text portions of this message have been
> removed]
> >
>
>
>

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know-it-all with Yahoo! Mobile. Try it now.
http://mobile.yahoo.com/;_ylt=Ahu06i62sR8HDtDypao8Wcj9tAcJ

3994. RE: [ham-antennas] Re: Stop the antagonistic thread

Yahoo group: ham-antennas (2008)
Date: 2008-02-07 02:31:24 UTC
From: James M.(Jim) Geidl
Topic: 3922 Message: 3994

...and I agree

Jim

> Subject: Re: [ham-antennas] Re: Stop the antagonistic thread
>
> Jim, PLEASE STOP WITH THESE ANTAGONISTIC COMMENTS, ENOUGH IS ENOUGH!
>
> N9TF
> --- Jim <jimemack2000@...> wrote:
>
> > You don't get out much, do you?
> >
> > --- In ham-antennas@yahoogroups.com, Carl Campbell <camtn913@...>
> > wrote:
> > >
> > > NOW! NOW! Play Nice little Children.
> > >
> > > "Gary H. Harmon, Jr" <gharmon@...> wrote:
> >
> > Gentlemen.....please remember that your responses go
> directly to the
> > list.
> > > Personal attacks, whether warranted or not and
> > sent to the list,
> > will not be
> > > tolerated by the moderators. Cease and desist
> > please.
> > >
> > > 73,
> > >
> > > Gary H. Harmon, Jr. / K5JWK
> > > 6003 Archwood
> > > San Antonio, TX 78239-1504
> > > 210.657.1549 h / 210.884.6926 c
> > >
> > > "What Would Reagan Do?"
> > >
> > >
> > >
> > >
> > > _____
> > >
> > > From: ham-antennas@yahoogroups.com [mailto:ham-
> > antennas@yahoogroups.com] On

> > > Behalf Of Jim
> > > Sent: Monday, February 04, 2008 2:52 PM
> > > To: ham-antennas@yahoogroups.com
> > > Subject: [ham-antennas] Re: LMR 400 Question
> > >
> > > You need to shut up and mind your own business.
> > It's people like
> > > you, making assumptions about everything, that are
> > most of the
> > > problem.
> > >
> > > For your information, Mr. know-it-all, I did look
> > it up and did not
> > > find anything. I don't even know what LMR400 is.
> > My ignorance is
> > > the reason I come here, not to tolerate big-mouths
> > like you.
> > >
> > > Jim
> > >
> > > --- In ham-antennas@
> > <mailto:ham-antennas%40yahoogroups.com>
> > > yahoogroups.com, Chris <kingsqueak@> wrote:
> > > >
> > > > > > Is there a limit to how tight a bend you can
> > put
> > > > > > in coaxial cable?
> > > > >
> > > >
> > > > This whole thread has been just
> > ridiculous...your very first
> > > responder
> > > > was right on the money and you took a pot shot
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> > > > you.
> > > >
> > > > http://www.qsl.
> > <http://www.qsl.net/n9zia/wireless/lmr-400.html>
> > > net/n9zia/wireless/lmr-400.html
> > > >
> > > > Took me one search on google, was the third
> > entry returned for
> > > >
> > > > "times microwave specifications"
> > > >
> > > > Now you can go tell your friends how awful and
> > unhelpful hams are,
> > > > though that is likely not a long list.
> > > >

> > > > If you are too lazy to look something up, you
> > really shouldn't
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> > > to
> > > > attack people for suggesting you do. You spent
> > more time attacking
> > > > people here than it would have taken you to just
> > look it up.
> > > >
> > >
> > > [Non-text portions of this message have been
> > removed]
> > >
> > >
> > >
> > >
> > >
> > >
> > > ---
> > > Never miss a thing. Make Yahoo your homepage.
> > >
> > > [Non-text portions of this message have been
> > removed]
> > >
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> >
>
>
>
>
> _____
> _____
> Be a better friend, newshound, and
> know-it-all with Yahoo! Mobile. Try it now.
> http://mobile.yahoo.com/;_ylt=Ahu06i62sR8HDtDypao8Wcj9tAcJ
>
>
>
> HAM ANTENNAS Anything and everything, tell us or ask
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> Post message: ham-antennas@yahoogroups.com
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> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
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> Yahoo! Groups Links
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>
>

3995. Re: Radials flash-over

Yahoo group: ham-antennas (2008)
Date: 2008-02-07 02:36:42 UTC
From: Bryan
Topic: 3949 Message: 3995

Hi James,

I like your thinking but if you're gonna think big, think REAL BIG! I envision a half-wavelength over a quarter-wavelength w/ a quarter-wavelength phasing stub w/ quarter-wavelength radials, elevated by a very large helium-filled blimp... 5.2dBd gain, IIRC. On 160m, it'd *only* be 266' + 133' = 399' tall (plus another 133' for elevated feed)... 532' to the top! Hmm... might need the 'Goodrich Blimp' to hoist it! hi!

73,
Bryan WA7PRC
Field Day '07: http://www.geocities.com/bswadener/fd2007/

--- In ham-antennas@yahoogroups.com, "James Thresher" <James.Thresher@...> wrote:
>
> Who you calling crackers ;-)
>
> Doesn't everyone play in fields with giant antennas?
>
> On second thoughts maybe it's just us!
>
> Bring on the full size 160m!!
>
> James
>
> M3YOM

3996. Re: Stop the antagonistic thread

Yahoo group: ham-antennas (2008)
Date: 2008-02-07 02:36:44 UTC
From: Jim
Topic: 3922 Message: 3996

So this is not antagonistic?

> > > > NOW! NOW! Play Nice little Children.
> > > >
> > > > "Gary H. Harmon, Jr" <gharmon@> wrote:

Maybe I'm a little too tough for you guys, eh? Where I come from, no one sweats the small stuff.

3997. RE: [ham-antennas] Re: Stop the antagonistic thread

Yahoo group: ham-antennas (2008)
Date: 2008-02-07 02:41:15 UTC
From: Gary H. Harmon, Jr
Topic: 3922 Message: 3997

Just hit your delete key and the whole thread will eventually go away.

73, gary

Gary H. Harmon, Jr. / K5JWK
6003 Archwood
San Antonio, TX 78239-1504
210.657.1549 h / 210.884.6926 c

"What Would Reagan Do?"
http://www.wwrdheritage.org/

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Jim
Sent: Wednesday, February 06, 2008 8:37 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: Stop the antagonistic thread

So this is not antagonistic?

> > > > NOW! NOW! Play Nice little Children.
> > > >
> > > > "Gary H. Harmon, Jr" <gharmon@> wrote:

Maybe I'm a little too tough for you guys, eh? Where I come from, no one sweats the small stuff.

[Non-text portions of this message have been removed]

3998. Re: [ham-antennas] Re: Radials flash-over

Yahoo group: ham-antennas (2008)
Date: 2008-02-07 03:51:14 UTC
From: Gene Gabry
Topic: 3949 Message: 3998

YIKES!
You might have to get FAA clerence to fly that thing!
But what an antenna!!

Gene, N9TF
--- Bryan <bswadener@...> wrote:

> Hi James,
>
> I like your thinking but if you're gonna think big,
> think REAL BIG!
> I envision a half-wavelength over a
> quarter-wavelength w/ a quarter-
> wavelength phasing stub w/ quarter-wavelength
> radials, elevated by a
> very large helium-filled blimp... 5.2dBd gain, IIRC.
> On 160m, it'd
> *only* be 266' + 133' = 399' tall (plus another 133'
> for elevated
> feed)... 532' to the top! Hmm... might need the
> 'Goodrich Blimp' to
> hoist it! hi!
>
> 73,
> Bryan WA7PRC
> Field Day '07:
> http://www.geocities.com/bswadener/fd2007/
>
> --- In ham-antennas@yahoogroups.com, "James
> Thresher"
> <James.Thresher@...> wrote:
> >
> > Who you calling crackers ;-)
> >
> > Doesn't everyone play in fields with giant
> antennas?
> >
> > On second thoughts maybe it's just us!
> >
> > Bring on the full size 160m!!
> >
> > James
> >
> > M3YOM
>

>

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know-it-all with Yahoo! Mobile. Try it now.
http://mobile.yahoo.com/;_ylt=Ahu06i62sR8HDtDypao8Wcj9tAcJ

3999. Re: [ham-antennas] Re: Feedline Length

Yahoo group: ham-antennas (2008)
Date: 2008-02-07 04:14:36 UTC
From: Andy
Topic: 3975 Message: 3999

> Thanks Dean. I was reading about a dipole where the feedline was to
> be of a certain length and I couldn't figure out why. I'm not gonna
> worry about it.

There are some HF antennas where the feedline IS part of the antenna (where the feedline itself radiates) and it is supposed to be a particular length. And there are other antennas where the feedline performs an intentional impedance transformation. In either case, size ... oops, length ... matters!

In general, if the SWR is moderate (not near 1:1) at the antenna, the length of feedline will determine the impedance seen at the shack. Say if the SWR is 4:1. If you use "any" length of 50 ohm coax, the impedance might be anywhere from 12 ohms to 200 ohms depending on the length you choose. It might or might not matter (since they both have the same SWR). Only if the SWR is 1:1 to begin with, and if the feedline has low loss, does the length not matter.

Regards,
Andy

4000. RE: [ham-antennas] Re: LMR 400 Question

Yahoo group: ham-antennas (2008)
Date: 2008-02-07 09:44:10 UTC
From: Callum M0MCX
Topic: 3922 Message: 4000

Jim was doing great with this question right up until a few people poked him around for absolutely no reason at all.

The answer from Andy.groups@... on Monday was excellent, thank you.

-- end --

[Non-text portions of this message have been removed]

4001. Marine installation (remember the flashing over radials?)

Yahoo group: ham-antennas (2008)
Date: 2008-02-07 09:47:45 UTC
From: Callum M0MCX
Topic: 4001 Message: 4001

Further to the thread regarding my radials flashing over, I have all of a sudden become worried about an installation I shall be doing to a 70 foot steel boat which is currently being built for me. I am planning on being QRO with an SGC amplifier and matching SG-235 QRO tuner / coupler.

I shall ground the tuner firmly on the hull and send a "hot" wire up a Shakespeare Marine vertical.

If my 80m radials flashed over last weekend or so, what's to stop us all frying on the hull..?

Callum.

[Non-text portions of this message have been removed]

4002. Re: Tuning up a ground-mounted vertical

Yahoo group: ham-antennas (2008)
Date: 2008-02-07 10:12:55 UTC
From: steve95446
Topic: 3976 Message: 4002

The coax may definitely make your SWR look a lot lower than it really is at the feedpoint. I had a 35ft length of RG58 feeding an antenna and there was a very obvious difference in SWR when using a short coax "lead" to the MFJ at the feedpoint and then at the shack.

If you are trying to "dip" the antenna to tune it to a particular point in the band then it probably makes little difference, but if you want to know the absolute SWR then a reading at the feedpoint is better.

For antennas where the length of coax has a dramatic effect on the tuning - such as the G5RV - then I guess reading at the shack end tells you the SWR of the whole system.

When I tried a G5RV, the reading at the bottom of the matching open wire feeder was drastically higher than measured in the shack. But what are you supposed to do about it?

I wasn't impressed by the G5RV apart from local work on 40m and 80m.

By the way, I have a design for an attic-mounted stealth antenna that works well at www.qsl.net/g0kya

Steve G0KYA

4003. Re: Feedline Length

Yahoo group: ham-antennas (2008)
Date: 2008-02-07 13:04:33 UTC
From: mike
Topic: 3975 Message: 4003

--- In ham-antennas@yahoogroups.com, "Jim" <jimemack2000@...> wrote:
>
> Hi,
>
> I have what I hope are not received as stupid questions. I was
> wondering what is the proper method to calculate feedline length and
> how much the length actually matters in practical applications. I
will
> be using LMR-400 with a Windom on 160 Meters.
>
> Thanks for any help,
> Jim
> W2JEM
>

I have always used what i needed to get from the antenna to the rig.
LMR-400 for hf is serious over kill though and your biggest issue will
be the wieght of it suspended from your antenna in the air.

4004. Re: Tuning up a ground-mounted vertical

Yahoo group: ham-antennas (2008)
Date: 2008-02-07 14:07:17 UTC
From: w2nsf
Topic: 3976 Message: 4004

I'm following up here with more information to add to my original post.

Thanks for all the great replies, except from you PC guys ;-)

The antenna is a Hustler 5BTV. That means it's basically a trapped vertical, except for the 75 meter resonator on top and whatever that DX Engineering 17 meter kit is doing. It's fed with Davis Buryflex, which claims the same performance as LMR400, but somehow I doubt that. The antenna is located about 100 feet from a salt water body of water and it is very quiet, when I A-B it with my dipole.

I started with the measurements that came with the Hustler antenna and only had to change the 20 meter setting a little. The rest of the antenna just sort of fell into place, after I got that setting adjusted. Of course, I had to dick around with that funny-looking 17m kit thingy, but it's settings didn't affect the rest of the bands at all.

My goal is antenna efficiency and I'm trying to get maximum bandwidth around the middle of the phone part of each band. I don't operate much CW, but I do operate some RTTY and PSK31 once in a while.

I was happy with the SWR 1.5:1 bandwidths I got when I measured the SWR in the shack, but then someone burst my bubble when they told me these were not "true" readings and I should have been measuring SWR at the antenna feedpoint.

So, I am still struggling with the concept of having a nice, low SWR at the shack, which means to me that I'm getting an efficient transfer of energy from my transceiver into my antenna system. But, if my transceiver and feedline are happy and my antenna isn't radiating effieciently, then I guess I should bite the bullet and go measure the SWR at the antenna, standing a reasonable distance away, of course. It's just it's SO COLD out there, right now, HI HI.

Thanks to all of you for your help, even you PC folks ;-)
73,
Jim, W2NSF

4005. RE: [ham-antennas] Re: LMR 400 Question

Yahoo group: ham-antennas (2008)
Date: 2008-02-07 14:11:47 UTC
From: qrp_1@juno.com
Topic: 3922 Message: 4005

Jim was doing great with this question right up until a few people poked him around for absolutely no reason at all.

You got to remember, some folks forget that most people join lists to learn while they themselves only join to insult and cause trouble. I as moderator would have "weeded the garden" on the first round of insults - problem solved !

73
Rick
KC8AON

_____
Click for free info on getting a merchant account for your business.
http://thirdpartyoffers.juno.com/TGL2121/fc/Ioyw6i3l5Cg0kCdxM0s8xEQe7s6DUTp0fpDZsbR46IED5im69ZKyJS/

4006. Re: [ham-antennas] Re: Tuning up a ground-mounted vertical

Yahoo group: ham-antennas (2008)
Date: 2008-02-07 14:29:00 UTC
From: qrp_1@juno.com
Topic: 3976 Message: 4006

So, I am still struggling with the concept of having a nice, low SWR at the shack, which

means to me that I'm getting an efficient transfer of energy from my transceiver into my
[snip]

If you are happy with it, use it - you will not gain a noticeable difference by changing it. I tuned my 4BTV the same way you did and it works just fine and I doub't anyone would notice any difference if I went out to the antenna to make any measurements and retuned it there. Good luck and enjoy !

73
Rick
KC8AON

_____
Get the sign you need for the impact you want. Click now!
http://thirdpartyoffers.juno.com/TGL2121/fc/Ioyw6i3oB4c8BmceNipwLZbocQRZEniZhYWoX1iQxfThqP1Iu5XscY/

4007. Re: [ham-antennas] Re: Tuning up a ground-mounted vertical

Yahoo group: ham-antennas (2008)
Date: 2008-02-07 14:37:25 UTC
From: Chris
Topic: 3976 Message: 4007

Me too, I agree.

For your purposes and that vertical, just tweak things with your tuner in the shack and go.

I run a GAP Titan and though it's < 2:1 where it should be, I use the auto tuner in my rig to put the polish on it. Works fine.

It is nice to have the vertical to switch with my wire. The noise levels are drastically different with the vertical generally being much quieter at my QTH. It's interesting to note which one is working better for me on a particular day too, as that definitely changes around depending on propagation at the time. On the same band on a net sched, I have random days when either vertical or G5RV will work better for me.

If you can sneak a piece of wire up over there, go for it, you'll enjoy the flexibility to switch around.

On Feb 7, 2008 9:29 AM, qrp_1@... <QRP_1@...> wrote:
> So, I am still struggling with the concept of having a nice, low SWR at the shack, which
>
> means to me that I'm getting an efficient transfer of energy from my transceiver into my
> [snip]
>
> If you are happy with it, use it - you will not gain a noticeable difference by changing it. I tuned my >4BTV the same way you did and it works just fine

4008. RE: [ham-antennas] Re: LMR 400 Question

Yahoo group: ham-antennas (2008)
Date: 2008-02-07 16:03:33 UTC
From: Commander John
Topic: 3922 Message: 4008

If you re read the thread starting with the question ,the very first answer and his answer you will see that it just isn't so.
john w9zy

Callum M0MCX <callum@...> wrote:
Jim was doing great with this question right up until a few people poked him around for absolutely no reason at all.

W9ZY
.... Commander John ....

[Non-text portions of this message have been removed]

4009. Short Mast for a G5RV

Yahoo group: ham-antennas (2008)
Date: 2008-02-07 16:36:46 UTC
From: karl.moll
Topic: 4009 Message: 4009

I'm in a rather restricted situation. My community is covered by CC&Rs. I have no trees on my property, and I'm in a single story house. At best, I can mount an antenna on the peak of my house which is about 20 feet up. I've been thinking of adding a 10 to 15 foot mast to get me up higher. The mast must be very unobtrusive because of the CC&Rs. I've been thinking of using 1/2 inch schedule 80 pvc pipe, but am having trouble finding it in that wall thickness. Regular schedule 40 will whip around entirely too much for this application. Can anyone recommend a non-metallic mast that is thin (less than one inch O.D.), neutral in color and stiff enough at 15 feet long to support an antenna? The ends would be attached to my fence to give me an inverted "V". Thanks.

4010. Re: [ham-antennas] Short Mast for a G5RV

Yahoo group: ham-antennas (2008)
Date: 2008-02-07 16:43:53 UTC
From: ktnjoepark@aol.com
Topic: 4009 Message: 4010

Yes, Sched 80 is hard to find, you might try getting a wooden dowl large enough to fit inside the sched 40 to strengthen it.

Joe WB6AGR

In a message dated 2/7/2008 8:37:35 A.M. Pacific Standard Time, km654@... writes:

I'm in a rather restricted situation. My community is covered by CC&Rs. I have no trees on my property, and I'm in a single story house. At best, I can mount an antenna on the peak of my house which is about 20 feet up. I've been thinking of adding a 10 to 15 foot mast to get me up higher. The mast must be very unobtrusive because of the CC&Rs. I've been thinking of using 1/2 inch schedule 80 pvc pipe, but am having trouble finding it in that wall thickness. Regular schedule 40 will whip around entirely too much for this application. Can anyone recommend a non-metallic mast that is thin (less than one inch O.D.), neutral in color and stiff enough at 15 feet long to support an antenna? The ends would be attached to my fence to give me an inverted "V". Thanks.

**********Biggest Grammy Award surprises of all time on AOL Music. (http://music.aol.com/grammys/pictures/never-won-a-grammy?NCID=aolcmp00300000002548)

[Non-text portions of this message have been removed]

4011. Re: [ham-antennas] Short Mast for a G5RV

Yahoo group: ham-antennas (2008)
Date: 2008-02-07 16:47:14 UTC
From: Chris
Topic: 4009 Message: 4011

Not exactly meeting your criteria, however I figured I'd toss this out there.

I recently put a dual-bander up using top-rail from hurricane fence.

They are sold in 10' sections at Home Depot and are very inexpensive, maybe $9.50 a length I paid locally.

I sheet metal screwed the sections at the slip joint they have, placed the base on a shed roof section on one end of the house and bracketed at about the middle of the two pieces on the gable fascia. Very very solid even with a 17' dual-bander on top.

It's nowhere near as visible as it sounds. Unless you are purposely looking for it, you would never notice it just driving by my place.

Top-rail is galvanized, but you could scuff it up and paint it to match the color of the house if you want or a light grey so it won't stand out as much.

As far as non-metallic, simply suspend the wire with some nylon and an egg insulator so it stands off the support a bit and you should be fine.

On Feb 7, 2008 11:36 AM, karl.moll <km654@...> wrote:
> I'm in a rather restricted situation. My community is covered by
> CC&Rs. I have no trees on my property, and I'm in a single story
> house. At best, I can mount an antenna on the peak of my house which
> is about 20 feet up. I've been thinking of adding a 10 to 15 foot mast
> to get me up higher. The mast must be very unobtrusive because of the
> CC&Rs. I've been thinking of using 1/2 inch schedule 80 pvc pipe, but
> am having trouble finding it in that wall thickness. Regular schedule
> 40 will whip around entirely too much for this application. Can anyone
> recommend a non-metallic mast that is thin (less than one inch O.D.),
> neutral in color and stiff enough at 15 feet long to support an
> antenna? The ends would be attached to my fence to give me an inverted
> "V". Thanks.
>
>
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 974
members (as of 11/07/07, and attachments are NOT permitted.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
>
> Yahoo! Groups Links

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>
>

4012. Re: [ham-antennas] Short Mast for a G5RV

Yahoo group: ham-antennas (2008)
Date: 2008-02-07 17:19:38 UTC
From: Mark, KJ7BS
Topic: 4009 Message: 4012

Karl,

Go ahead and use the sched 40, but put wooden dowels inside it to give it the strength that will keep it from flopping around in the wind. Wooden dowels are inexpensive at Home Depot, Lowes, or ACE Hardware.
--
Mark, KJ7BS
Glendale, AZ
Editor, The SKCC Centurion
Elecraft K2 S/N 0539
Fists # 2972 CC 1806
SKCC # 2240 C56 T20
MQFD # 128
QRP-ARCI # 12647
AZ ScQRPions
COGRC Emergency Communications

---- "karl.moll" <km654@...> wrote:

==========
I'm in a rather restricted situation. My community is covered by CC&Rs. I have no trees on my property, and I'm in a single story house. At best, I can mount an antenna on the peak of my house which is about 20 feet up. I've been thinking of adding a 10 to 15 foot mast to get me up higher. The mast must be very unobtrusive because of the CC&Rs. I've been thinking of using 1/2 inch schedule 80 pvc pipe, but am having trouble finding it in that wall thickness. Regular schedule 40 will whip around entirely too much for this application. Can anyone recommend a non-metallic mast that is thin (less than one inch O.D.), neutral in color and stiff enough at 15 feet long to support an antenna? The ends would be attached to my fence to give me an inverted "V". Thanks.

4013. Dipole on the roof or use standoffs?

Yahoo group: ham-antennas (2008)
Date: 2008-02-07 18:15:46 UTC
From: IrishPints@comcast.net
Topic: 4013 Message: 4013

Greetings all, de N3MMH
I am planning putting up a clandestine (due to ant restrictions) dipole on the roof of my two story house. Would it be better to have some small (6inch or so) standoffs to lift the wire off the roof or will leaving it lay on the roof shingles make any difference?

--
Cheers & 73,
Todd McLaughlin N3MMH
http://www.freewebs.com/n3mmh

[Non-text portions of this message have been removed]

4014. Re: [ham-antennas] Dipole on the roof or use standoffs?

Yahoo group: ham-antennas (2008)
Date: 2008-02-07 18:18:36 UTC
From: Chris
Topic: 4013 Message: 4014

IMO, suspend it, it won't lay in water or ice/snow as easily that way.

On Feb 7, 2008 1:15 PM, <IrishPints@...> wrote:
> Greetings all, de N3MMH
> I am planning putting up a clandestine (due to ant restrictions) dipole on the roof of my two story house. Would it be better to have some small (6inch or so) standoffs to lift the wire off the roof or will leaving it lay on the roof shingles make any difference?
>
> --
> Cheers & 73,
> Todd McLaughlin N3MMH
> http://www.freewebs.com/n3mmh
>
> [Non-text portions of this message have been removed]
>
>
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 974 members (as of 11/07/07, and attachments are NOT permitted.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
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>

4015. RE: [ham-antennas] Re: LMR 400 Question

Yahoo group: ham-antennas (2008)
Date: 2008-02-07 23:07:25 UTC
From: Callum M0MCX
Topic: 3922 Message: 4015

It's too big a job John, but you may well be right J

I'll duck out again.

C.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Commander John
Sent: 07 February 2008 16:04
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Re: LMR 400 Question

If you re read the thread starting with the question ,the very first answer and his answer you will see that it just isn't so.
john w9zy

Callum M0MCX <callum@... <mailto:callum%40mccormick.uk.com> >
wrote:
Jim was doing great with this question right up until a few people poked him around for absolutely no reason at all.

W9ZY
.... Commander John ....

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

4016. RE: [ham-antennas] Marine installation (remember the flashing over radials?)

Yahoo group: ham-antennas (2008)
Date: 2008-02-07 23:09:48 UTC
From: Callum M0MCX
Topic: 4001 Message: 4016

I was hoping for a reply to this one.

Basically, why will the hull act like a ground / radial system whilst not flashing over to us humans (well, I hope it won't!) like my 80m elevated antenna system did?

Anyone?

Callum

M0MCX

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Callum M0MCX
Sent: 07 February 2008 09:48
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Marine installation (remember the flashing over radials?)

Further to the thread regarding my radials flashing over, I have all of a sudden become worried about an installation I shall be doing to a 70 foot steel boat which is currently being built for me. I am planning on being QRO with an SGC amplifier and matching SG-235 QRO tuner / coupler.

I shall ground the tuner firmly on the hull and send a "hot" wire up a Shakespeare Marine vertical.

If my 80m radials flashed over last weekend or so, what's to stop us all frying on the hull..?

Callum.

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

4017. RE: [ham-antennas] Marine installation (remember the flashing over radials?)

Yahoo group: ham-antennas (2008)
Date: 2008-02-07 23:21:14 UTC
From: James Thresher
Topic: 4001 Message: 4017

I've been looking into this and both the SG-230 and SG-235 Manuals suggest to use the steel bulkhead as the ground connection on boats, I don't know why this would behave differently to the tuned radials (Perhaps the fact that they are tuned could have something to do with it, hopefully someone else can explain why this would be the case).

As the SG-235 is the higher power version I'm sure they wouldn't recommend using the hull as the ground if there was any risk involved.

James

M3YOM

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
On Behalf Of Callum M0MCX
Sent: 07 February 2008 23:10
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Marine installation (remember the flashing over radials?)

I was hoping for a reply to this one.

Basically, why will the hull act like a ground / radial system whilst not
flashing over to us humans (well, I hope it won't!) like my 80m elevated antenna system did?

Anyone?

Callum

M0MCX

From: ham-antennas@yahoogroups.com
<mailto:ham-antennas%40yahoogroups.com>
[mailto:ham-antennas@yahoogroups.com
<mailto:ham-antennas%40yahoogroups.com>] On
Behalf Of Callum M0MCX
Sent: 07 February 2008 09:48
To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>

Subject: [ham-antennas] Marine installation (remember the flashing over radials?)

Further to the thread regarding my radials flashing over, I have all of a

sudden become worried about an installation I shall be doing to a 70 foot
steel boat which is currently being built for me. I am planning on being QRO
with an SGC amplifier and matching SG-235 QRO tuner / coupler.

I shall ground the tuner firmly on the hull and send a "hot" wire up a Shakespeare Marine vertical.

If my 80m radials flashed over last weekend or so, what's to stop us all frying on the hull..?

Callum.

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

4018. Re: [ham-antennas] Dipole on the roof or use standoffs?

Yahoo group: ham-antennas (2008)
Date: 2008-02-07 23:49:46 UTC
From: QRP_1@juno.com
Topic: 4013 Message: 4018

Standoffs would be better and use insulated wire too. But instead of a dipole, you could do a loop completely around the house on standoffs under the eaves of the roof. Feed it with some cheap 300 ohm twinlead and a tuner for multiband operation.

Rick McKee, KC8AON, Ohio - www.angelfire.com/electronic2/qrp
Monthly QRP Field Day Group - http://groups.yahoo.com/group/MQFD/
With God all things are possible <><

4019. Re: [ham-antennas] Short Mast for a G5RV

Yahoo group: ham-antennas (2008)
Date: 2008-02-07 23:44:16 UTC
From: QRP_1@juno.com
Topic: 4009 Message: 4019

I would just get some cheap light TV antenna mast and an eave mount bracket for it, and paint the mast gray. 3 sections of the mast will give you 30' in height and provide a direct ground path for lightening as long as you bond all 3 sections together. You can get them at Lowes and Home Depot.

Rick McKee, KC8AON, Ohio - www.angelfire.com/electronic2/qrp
Monthly QRP Field Day Group - http://groups.yahoo.com/group/MQFD/
With God all things are possible <><

4020. LMR 400 Question

Yahoo group: ham-antennas (2008)
Date: 2008-02-08 01:06:59 UTC
From: Earl (Skip) Harman
Topic: 3922 Message: 4020

GOSH FOLKS WHAT MUST WE DO TO PUT THIS SUBJECT TO REST?

Someone step in here please and say ENOUGH already! and mean it!
Skip

--- In ham-antennas@yahoogroups.com, Commander John <crazytvjohn@...>
wrote:
>
> If you re read the thread starting with the question ,the very
first answer and his answer you will see that it just isn't so.
> john w9zy
>
>
> Callum M0MCX <callum@...> wrote:
> Jim was doing great with this question right up until a few
people poked him
> around for absolutely no reason at all.
>
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>
> W9ZY
> .... Commander John ....
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> [Non-text portions of this message have been removed]
>

4021. RE: [ham-antennas] LMR 400 Question

Yahoo group: ham-antennas (2008)
Date: 2008-02-08 15:06:06 UTC
From: Callum M0MCX
Topic: 3922 Message: 4021

>>> GOSH FOLKS WHAT MUST WE DO TO PUT THIS SUBJECT TO REST?

Er, stop replying :)

<ducks>

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On
Behalf Of Earl (Skip) Harman
Sent: 08 February 2008 01:07
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] LMR 400 Question

GOSH FOLKS WHAT MUST WE DO TO PUT THIS SUBJECT TO REST?

Someone step in here please and say ENOUGH already! and mean it!
Skip

--- In ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
, Commander John <crazytvjohn@...>
wrote:
>
> If you re read the thread starting with the question ,the very
first answer and his answer you will see that it just isn't so.
> john w9zy
>
>
> Callum M0MCX <callum@...> wrote:
> Jim was doing great with this question right up until a few
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> around for absolutely no reason at all.
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> W9ZY
> .... Commander John ....
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> [Non-text portions of this message have been removed]
>

[Non-text portions of this message have been removed]

4022. Re: Marine installation (remember the flashing over radials?)

Yahoo group: ham-antennas (2008)
Date: 2008-02-08 15:07:48 UTC
From: STEWART HOWARTH
Topic: 4001 Message: 4022

Callum,
I'm operating /MM from a large steel-hulled vessel in the South Atlantic off the coast of Angola. I have my FT-857D in my cabin & about 50 ft. of RG213 running up to an SGC-230 autotuner on the roof of the bridge. The antenna is around 20 ft. of insulated 8SWG wire running almost vertically. The whole system is tuned against the steel structure of the vessel which is at the same potential as the sea as it's sitting in salt water.
The ship's 400W HF radio is using the same set-up with an Icom autotuner & a 16ft. Shakespeare whip.
The ship itself is at ground potential, which is the same as the salt water it is sitting in.
As long as your vessel's hull is also at the same potential as the sea then you've got nothing to worry about as your radio ground will be (or should be if you've grounded everything properly) will also be at the same potential.

73 Stewart F/GM0GTU/MM

[Non-text portions of this message have been removed]

4023. Re: Coax or Ladder Line?

Yahoo group: ham-antennas (2008)
Date: 2008-02-08 17:46:55 UTC
From: kansas400
Topic: 3931 Message: 4023

Thanks Rick and I do need to bury the cable for about 50 feet of the run, so that being said, what if I just put up a 20 meter dipole and feed with coax. It's still a long run of coax (about 200-250 feet in total), so I'm not sure what the best coax would be to purchase within a $150-200 budget (I can't afford to do hard line that far). Is there a recommended coax that's good for long runs and can be buried for part of the way without too much loss at 14 mhz?

Thanks.

4024. Re: [ham-antennas] Re: Coax or Ladder Line?

Yahoo group: ham-antennas (2008)
Date: 2008-02-08 18:02:14 UTC
From: Dean L.
Topic: 3931 Message: 4024

Talk to your local Cable TV guy.... Take him out to lunch...They take
have end roll chunks of 75 ohm aluminum cable. It is just salvage
to them and you may get it at the right price. You can make your
own ends just look in some old ham books. If you don't want to
burry it directly in the soil just get a hunk of one inch cheep
plastic water pipe and slip it inside.

73 Dean W5GXL

Disclaimer: Any errors in spelling, or fact are
transmission errors.

On Feb 8, 2008, at 11:46 AM, kansas400 wrote:

> Thanks Rick and I do need to bury the cable for about 50 feet of the
> run, so that being said, what if I just put up a 20 meter dipole and
> feed with coax. It's still a long run of coax (about 200-250 feet in
> total), so I'm not sure what the best coax would be to purchase within
> a $150-200 budget (I can't afford to do hard line that far). Is there
> a recommended coax that's good for long runs and can be buried for
> part
> of the way without too much loss at 14 mhz?
>
> Thanks.
>
>
>

[Non-text portions of this message have been removed]

4025. Re: [ham-antennas] Re: Coax or Ladder Line?

Yahoo group: ham-antennas (2008)
Date: 2008-02-08 19:06:37 UTC
From: danny garvin
Topic: 3931 Message: 4025

The cable industry uses a jacketed cable with a stick fluding compound between the cable and the jacket for underground runs with out this the aluminum jacket will disolve in less than a year. you might be able to gety away with putting it in conduit "I wouldn't do that unless the conduit was completely water tight" besides that that is a good idea I don't have the exact spects for 14 mhz but the chart that I have shows .500 cable loss at .16 db per 100 ft at 5 mhz and .40 db per 100 ft at 30 mhz and .750 cable loss at .11 at 5 mhz and .26 at 30 mhz and .875 cable loss is .09 at 5 mhz and .23 at 30 mhz this is for foam dialectric hard line.
hope this helps.
Danny
WB9RIM
"A cable guy"
----- Original Message ----
From: Dean L. <w5gxl@...>
To: ham-antennas@yahoogroups.com
Sent: Friday, February 8, 2008 12:02:14 PM
Subject: Re: [ham-antennas] Re: Coax or Ladder Line?

Talk to your local Cable TV guy.... Take him out to lunch...They take
have end roll chunks of 75 ohm aluminum cable. It is just salvage
to them and you may get it at the right price. You can make your
own ends just look in some old ham books. If you don't want to
burry it directly in the soil just get a hunk of one inch cheep
plastic water pipe and slip it inside.

73 Dean W5GXL

Disclaimer: Any errors in spelling, or fact are
transmission errors.

On Feb 8, 2008, at 11:46 AM, kansas400 wrote:

> Thanks Rick and I do need to bury the cable for about 50 feet of the
> run, so that being said, what if I just put up a 20 meter dipole and
> feed with coax. It's still a long run of coax (about 200-250 feet in
> total), so I'm not sure what the best coax would be to purchase within
> a $150-200 budget (I can't afford to do hard line that far). Is there
> a recommended coax that's good for long runs and can be buried for
> part
> of the way without too much loss at 14 mhz?
>
> Thanks.
>
>
>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

4026. Re: Coax or Ladder Line?

Yahoo group: ham-antennas (2008)
Date: 2008-02-08 19:16:11 UTC
From: Dave
Topic: 3931 Message: 4026

--- In ham-antennas@yahoogroups.com, "kansas400" <kansas4000@...> wrote:
>
> Thanks Rick and I do need to bury the cable for about 50 feet of the
> run, so that being said, what if I just put up a 20 meter dipole and
> feed with coax. It's still a long run of coax (about 200-250 feet in
> total), so I'm not sure what the best coax would be to purchase within
> a $150-200 budget (I can't afford to do hard line that far). Is there
> a recommended coax that's good for long runs and can be buried for part
> of the way without too much loss at 14 mhz?
>
> Thanks.
>

DavisRF makes and sells "Bury Flex", a buriable low-loss coax. Foam dielectric, so you don't want to kink it or step on it, about 30% less loss than solid dielectric. 81 cents per foot in your quantities. The Wireman has a direct bury capable RG-213 for 71 cents per foot. The "Bury Flex" is lower loss. Both companies are very ham-friendly and easy to work with; phone orders tend to work better than email orders.

At 200 feet, you're going to have about 2dB loss at 14MHz with any of the foam 50 ohm 0.405 inch cables, and about 2.7dB with any of the solid-dielectric cables. Not a big issue unless you're trying to be a top ten contest station...after all, most hams with big antennas have long coax runs, too.

Dave W8NF

Dave W8NF

4027. 2 questions for the experts

Yahoo group: ham-antennas (2008)
Date: 2008-02-08 21:07:51 UTC
From: chuck54875
Topic: 4027 Message: 4027

Hi guys,

I'm new to the group. I've always delighted in experimenting with different Amateur antennas of all kinds but recently acquired a beam.

2 questions:

First: I've been using verticals and dipoles for close to 30 years and the dipoles have always been mounted at about 30 feet or more at the apex with good results. I've just picked up a Cushcraft MA5B Mini Beam which is designed for 10/12/15/17/20 meters, but the highest I can mount a beam (without going to a tower, which I can't do here) is about 18' to 20' off the ground (rooftop tripod mount). I'm not familiar with beams and wonder how badly the "low" height will degrade performance? Opinions appreciated.

Second: I'd like to get recommenations for a rotor interface to with the beam. My PC is Windows XP based, and the radio is a Yaesu FT-950. I have a medium duty rotor that should easily handle this mini beam but have no concept as to how to use an interface. From quick reading, I understand the antenna control is done through whichever logging software your using. I have no preference as to a logging program and will use whichever accomplishes the need. So far, the only interfaces I've found are over $600 which is way too steep for my budget. Recommendations appreciated.

Thanks guys. I'm brand new to beams and rotor interfaces, so ANY assistance would be great. Private eMail is fine also as I'm sure I'll have other questions if you don't mind.

Chuck K.

4028. Re: Half Wave Open Loop, aka dipole bent into a rectangle in the att

Yahoo group: ham-antennas (2008)
Date: 2008-02-08 21:09:50 UTC
From: kb5iav
Topic: 3861 Message: 4028

--- In ham-antennas@yahoogroups.com, "Russ N3TIH" <redman97@...>
wrote:
>
> Just outta curiosity, i havent been following the post , but by
chance are you trying 40 meters with a switching power supply for
the rig?
> my situation is Kenwood TS-140 and Yaesu Ft-100d and a Radioshack
25 amp switching powersupply . Any kind of 40 meter at all above 3
watts causes the ciricutry in the pwr supply to lose timing
cycle and shut off . Going back to a Transformer Based pwr supply .
full 100 watts both radios , and full 100 watts CW both radios on
to a common fed 4 band dipole (300 ohm twin lead) and mfj-949c
tuner.
>
>

The power supply is an Astron RS20A 20amp regulated power supply. I
don't think it is a switching power supply. It doesn't just happen
on 40, it happens on 20 and 17, the other two bands I've tried.

I know the power supply is also a possibility. I've ordered a dummy
load, something I should have already had but didn't, to see if the
problem is indeed RF related. I've replaced the power cable already
and the problem persists. The power supply is 13 years old, but it
hasn't been used much in the last several years because of poor band
conditions and my lack of an antenna for the lower bands.

I've been able to work CW ok which I enjoy, but phone is where most
of the trouble is.

Thanks for responding.

4029. Re: Short Mast for a G5RV

Yahoo group: ham-antennas (2008)
Date: 2008-02-09 00:33:53 UTC
From: Bryan
Topic: 4009 Message: 4029

Karl wrote:
>
> I'm in a rather restricted situation. My community is covered by
> CC&Rs. I have no trees on my property, and I'm in a single story
> house. At best, I can mount an antenna on the peak of my house which
> is about 20 feet up. I've been thinking of adding a 10 to 15 foot mast
> to get me up higher. The mast must be very unobtrusive because of the
> CC&Rs. I've been thinking of using 1/2 inch schedule 80 pvc pipe, but
> am having trouble finding it in that wall thickness. Regular schedule
> 40 will whip around entirely too much for this application. Can anyone
> recommend a non-metallic mast that is thin (less than one inch O.D.),
> neutral in color and stiff enough at 15 feet long to support an
> antenna? The ends would be attached to my fence to give me an inverted
> "V". Thanks.

McMaster-Carr (http://www.mcmaster.com/) is your friend -- they stock
it... 6 different combinations of 1/2" dia, up to 10' long. Note: two
of those are UV-Resistant PVC.

Bryan WA7PRC

4030. RE: [ham-antennas] Re: Marine installation (remember the flashing over radials?)

Yahoo group: ham-antennas (2008)
Date: 2008-02-09 00:45:29 UTC
From: Callum M0MCX
Topic: 4001 Message: 4030

Stewart,

Great news.

Only difference is that this'll be canal water (it's a narrowboat) and other than a less efficient RF ground than sea water, the same practically.

Yes?

Callmu.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of STEWART HOWARTH
Sent: 08 February 2008 15:08
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: Marine installation (remember the flashing over radials?)

Callum,
I'm operating /MM from a large steel-hulled vessel in the South Atlantic off the coast of Angola. I have my FT-857D in my cabin & about 50 ft. of RG213 running up to an SGC-230 autotuner on the roof of the bridge. The antenna is around 20 ft. of insulated 8SWG wire running almost vertically. The whole system is tuned against the steel structure of the vessel which is at the same potential as the sea as it's sitting in salt water.
The ship's 400W HF radio is using the same set-up with an Icom autotuner & a 16ft. Shakespeare whip.
The ship itself is at ground potential, which is the same as the salt water it is sitting in.
As long as your vessel's hull is also at the same potential as the sea then you've got nothing to worry about as your radio ground will be (or should be if you've grounded everything properly) will also be at the same potential.

73 Stewart F/GM0GTU/MM

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

4031. Re: [ham-antennas] Re: Short Mast for a G5RV

Yahoo group: ham-antennas (2008)
Date: 2008-02-09 01:05:09 UTC
From: Karl Moll
Topic: 4009 Message: 4031

Thanks to all for your ideas. I found a Granger Industrial Supply only
30 minutes away and they carry the pvc.

Bryan wrote:
>
> Karl wrote:
> >
> > I'm in a rather restricted situation. My community is covered by
> > CC&Rs. I have no trees on my property, and I'm in a single story
> > house. At best, I can mount an antenna on the peak of my house which
> > is about 20 feet up. I've been thinking of adding a 10 to 15 foot mast
> > to get me up higher. The mast must be very unobtrusive because of the
> > CC&Rs. I've been thinking of using 1/2 inch schedule 80 pvc pipe, but
> > am having trouble finding it in that wall thickness. Regular schedule
> > 40 will whip around entirely too much for this application. Can anyone
> > recommend a non-metallic mast that is thin (less than one inch O.D.),
> > neutral in color and stiff enough at 15 feet long to support an
> > antenna? The ends would be attached to my fence to give me an inverted
> > "V". Thanks.
>
> McMaster-Carr (http://www.mcmaster.com/ <http://www.mcmaster.com/>) is
> your friend -- they stock
> it... 6 different combinations of 1/2" dia, up to 10' long. Note: two
> of those are UV-Resistant PVC.
>
> Bryan WA7PRC
>
>

[Non-text portions of this message have been removed]

4032. Re: Short Mast for a G5RV

Yahoo group: ham-antennas (2008)
Date: 2008-02-09 01:45:35 UTC
From: lecontejoe
Topic: 4009 Message: 4032

This may not help at all, but -- think about it.

In your house you have plumbing vents -- these are PVC pipes that tie to the drains and run through the roof. Their purpose is to provide atmospheric pressure on water running down the drain.

Climb up into your attic and check out the vent pipes -- they come from deep down inside the house and stick up through the roof. The roof doesn't leak where the pipes exit because the roofers put a "boot" around the pipe and shingle over and around the boot.

I am building a new house and this is what I am doing:
-- I got a piece of "black pipe" -- it's old-fashioned galvanized pipe with heavy black paint on it -- used for gas pipe, won't rust.
-- Threaded both ends. Put a floor flange on one end.
-- Across four ceiling joists, put a 2X8. Screw the floor flange onto the 2X8.
-- Cut a hole in the roof same size as the black pipe.
-- Stick the black pipe through the hole, screw it into the flange, U-bolt the black pipe onto a rafter (make certain the pipe is plumb).
-- put a boot around the black pipe and shingle the roof.
-- Screw a cap onto the black pipe to keep rain from running down it.
-- Now -- you have a piece of black pipe sticking out of the roof -- it's not going to move or bend. Make it as long as you like.
-- Secure one end of a wire antenna to the black pipe. Makes a great tie point for an inverted-Vee.

--- In ham-antennas@yahoogroups.com, "karl.moll" <km654@...> wrote:
>
> I'm in a rather restricted situation. My community is covered by
> CC&Rs. I have no trees on my property, and I'm in a single story
> house. At best, I can mount an antenna on the peak of my house which
> is about 20 feet up. I've been thinking of adding a 10 to 15 foot mast
> to get me up higher. The mast must be very unobtrusive because of the
> CC&Rs. I've been thinking of using 1/2 inch schedule 80 pvc pipe, but
> am having trouble finding it in that wall thickness. Regular schedule
> 40 will whip around entirely too much for this application. Can anyone
> recommend a non-metallic mast that is thin (less than one inch O.D.),
> neutral in color and stiff enough at 15 feet long to support an
> antenna? The ends would be attached to my fence to give me an inverted
> "V". Thanks.
>

4033. Re: [ham-antennas] Re: Short Mast for a G5RV

Yahoo group: ham-antennas (2008)
Date: 2008-02-09 11:58:50 UTC
From: JimK2tl
Topic: 4009 Message: 4033

If you are going to use a metal mast that is built into the interior structure of your house, such as you described, I would give some though to lightning strikes and grounding. If that pipe is anywhere near any plumbing, or HVAC, or electrical wiring you can get an explosive arc from that mast. Even without the arc, do you want to attract lightning right into the frame of your house? I know any antenna will do that, certainly, but most of us take some kind of precautions along the way. Just a thought.
K2TL

lecontejoe wrote:
>
> This may not help at all, but -- think about it.
>
> In your house you have plumbing vents -- these are PVC pipes that tie
> to the drains and run through the roof. Their purpose is to provide
> atmospheric pressure on water running down the drain.
>
> Climb up into your attic and check out the vent pipes -- they come from
> deep down inside the house and stick up through the roof. The roof
> doesn't leak where the pipes exit because the roofers put a "boot"
> around the pipe and shingle over and around the boot.
>
> I am building a new house and this is what I am doing:
> -- I got a piece of "black pipe" -- it's old-fashioned galvanized pipe
> with heavy black paint on it -- used for gas pipe, won't rust.
> -- Threaded both ends. Put a floor flange on one end.
> -- Across four ceiling joists, put a 2X8. Screw the floor flange onto
> the 2X8.
> -- Cut a hole in the roof same size as the black pipe.
> -- Stick the black pipe through the hole, screw it into the flange, U-
> bolt the black pipe onto a rafter (make certain the pipe is plumb).
> -- put a boot around the black pipe and shingle the roof.
> -- Screw a cap onto the black pipe to keep rain from running down it.
> -- Now -- you have a piece of black pipe sticking out of the roof --
> it's not going to move or bend. Make it as long as you like.
> -- Secure one end of a wire antenna to the black pipe. Makes a great
> tie point for an inverted-Vee.
>
> --
>

4034. A QUESTION FOR SUBMISSION

Yahoo group: ham-antennas (2008)
Date: 2008-02-09 17:23:28 UTC
From: Drbob92031@aol.com
Topic: 4034 Message: 4034

GOOD MORNING GUYS,
DOES ANY ONE HAVE ANYTHING TO SAY ABOUT PUTTING A REFELECTOR OR DIRECTOR TO
A HALF WAVE VERTICAL?.I KNOW THE SWR SHOULD BE HORENDOUSLY HIGH AND I AM
THINKING OF A HAIRPIN FEED TO ADJUST THE SWR.
THANKS IN ADVANCE FOR ANY HELP, ,
BOB;WA2EAW

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(http://music.aol.com/grammys/pictures/never-won-a-grammy?NCID=aolcmp00300000002548)

[Non-text portions of this message have been removed]

4035. Input Link Capacitor (Link Antenna Coupler)

Yahoo group: ham-antennas (2008)
Date: 2008-02-09 17:29:00 UTC
From: aa5wg
Topic: 4035 Message: 4035

Hi to all:
Is there an advantage by placing the link input capacitor on the input side of link coil or on the output side of link coil? I have seen it drawn both ways, i.e. W6SAI handbook (input) and ARRL Antenna Handbook (output).
Does anyone have any experiece with this?
Thank you.
Chuck - AA5WG

4036. Re: [ham-antennas] Input Link Capacitor (Link Antenna Coupler)

Yahoo group: ham-antennas (2008)
Date: 2008-02-09 17:52:46 UTC
From: Commander John
Topic: 4035 Message: 4036

I would put mine on the part after the coil to ground. I use to have a swinging link tuner. The Capacitor makes it most adjustable.
john w9zy

aa5wg <aa5wg@...> wrote:
Hi to all:
Is there an advantage by placing the link input capacitor on the input side of link coil or on the output side of link coil? I have seen it drawn both ways, i.e. W6SAI handbook (input) and ARRL Antenna Handbook (output).
Does anyone have any experiece with this?
Thank you.
Chuck - AA5WG

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W9ZY
.... Commander John ....

[Non-text portions of this message have been removed]

4037. RE: [ham-antennas] A QUESTION FOR SUBMISSION

Yahoo group: ham-antennas (2008)
Date: 2008-02-09 18:44:14 UTC
From: Callum M0MCX
Topic: 4034 Message: 4037

Why go half-wave when you can do this with quarter waves? Yes, I have experience of building such a little beast and damned excellent it was too - and cost very little.

See: http://www.m0mcx.co.uk/?p=68

Try it using MMANA? I may do this later for laughs.

Good luck,

Callum.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Drbob92031@...
Sent: 09 February 2008 17:23
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] A QUESTION FOR SUBMISSION

GOOD MORNING GUYS,
DOES ANY ONE HAVE ANYTHING TO SAY ABOUT PUTTING A REFELECTOR OR DIRECTOR TO A HALF WAVE VERTICAL?.I KNOW THE SWR SHOULD BE HORENDOUSLY HIGH AND I AM THINKING OF A HAIRPIN FEED TO ADJUST THE SWR.
THANKS IN ADVANCE FOR ANY HELP, ,
BOB;WA2EAW

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00025
48)

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

4038. Re: [ham-antennas] Input Link Capacitor (Link Antenna Coupler)

Yahoo group: ham-antennas (2008)
Date: 2008-02-09 18:50:07 UTC
From: Chuck Pool
Topic: 4035 Message: 4038

Hi John:
Can you tell me why? That is, why did you place your capacitor on the output side of link coil vs. input side?
Thank you.
Chuck - AA5WG

Commander John <crazytvjohn@...> wrote:
I would put mine on the part after the coil to ground. I use to have a swinging link tuner. The Capacitor makes it most adjustable.
john w9zy

aa5wg <aa5wg@...> wrote:
Hi to all:
Is there an advantage by placing the link input capacitor on the input side of link coil or on the output side of link coil? I have seen it drawn both ways, i.e. W6SAI handbook (input) and ARRL Antenna Handbook (output).
Does anyone have any experiece with this?
Thank you.
Chuck - AA5WG

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.... Commander John ....

[Non-text portions of this message have been removed]

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[Non-text portions of this message have been removed]

4039. 40 Meter NVIS Dipole Question

Yahoo group: ham-antennas (2008)
Date: 2008-02-09 19:26:59 UTC
From: Bill
Topic: 4039 Message: 4039

Hello everyone,
I was wondering if anyone could answer a couple of questions for me ?

I have put up a 40 Meter Horizontal dipole 7 Feet off the ground (I am playing with the NVIS antenna until I put it up higher or I might leave it and make another Dipole to put up Higher). I have the Dipole strung up from East to West. Now it seems to do very good at hearing signals that my 246 foot End fed random long wire antenna cannot hear.
(This antenna was originally 230 feet, then 229 feet, and now 246 feet. It tunes very well all HF Bands. Top band 160 was giving me trouble but alls good now with the versa tuner 2) I even talked to Cuba on 20 meters with it (maybe just conditions, Cuba was louder on the long wire, but contact was made with the Low NVIS dipole. I had to know...lol)). Not bad for only 7 feet off the ground I thought.... Each side of my low dipole is 33 feet...Not quite enough wire for 80 meters. It'll tune and hear but only half as good as the End fed random long wire. Not enough wire for 80 I recon...Now I am wondering if I could run 2 more wires each 33 feet in length North to south and connect to the other wires of the east to west dipole (kind of a fan dipole of sorts, but not really). The south 33 foot wire will not be able to go directly south it will have to go more of a southeast due to overhead powerlines. and the north 33 feet of wire will go directly North....
Will this work ? Will it maybe do better on 80 meters since each half of the dipole will have 66 feet of wire per side ??? If this works out I will probabily leave this antenna as a NVIS at 7 feet off the ground. I do want to get a resonant dipole up in the air for 40 meters. But this NVIS low antenna has heard alot of stations that would otherwise be lost in the noise. I was very suprised by the results of the low NVIS dipole....I am still new at building these kinda wire antennas. But one thing I have learned for sure. It's nice to have different antennas to switch to for the different band conditions...Very nice indeed...

If I hung the low NVIS Dipole like I described above would the antenna work like 2 seperate dipoles. one east to west and one north to south or would it be a whole different pattern all together. I know being NVIS that most of the signal is going straight. But to work Cuba (I'm near Dayton, Ohio) it must also still have some dipole patern going on...Am I correct in this assumption ???
Like I said above. I'm still kinda knew to building these wire antennas. Any help and other input would be much appreceated....

Thanks everyone...

73's...kc8ilp.....
http://www.kc8ilp.bravehost.com/

I was building this 40 meter dipole to put up high and I had it strung up low to see if there was gonna be any stretch factor in the wire. Then I decided since it is low maybe try the NVIS antenna out...Glad I did. I was very suprised by my results...Thanks everyone.....

Got to get these wire antennas built and up before the weather gets warm and nice...Hi Hi....

[Non-text portions of this message have been removed]

4040. Re: [ham-antennas] Input Link Capacitor (Link Antenna Coupler)

Yahoo group: ham-antennas (2008)
Date: 2008-02-09 20:36:44 UTC
From: Commander John
Topic: 4035 Message: 4040

That was in 1970. It showed it that way in the handbook. The link is tuned to ground by the capacitor. I have never seen it any other way in a book. If you have many old radio handbooks you can trace development of the link capacitor from the time when it wasn't in the handbook and the link was adjusted by moving it in and out of the coil[swinging link]. Then it is noted in the handbook as a way to adjust the coupling[likely from QST] and then shown there after in the handbook. I use to have a lot of handbooks going back to 1946 . The link cap showed up in the early 1950's.
john w9zy

Chuck Pool <aa5wg@...> wrote:
Hi John:
Can you tell me why? That is, why did you place your capacitor on the output side of link coil vs. input side?
Thank you.
Chuck - AA5WG

Commander John wrote:
I would put mine on the part after the coil to ground. I use to have a swinging link tuner. The Capacitor makes it most adjustable.
john w9zy

aa5wg wrote:
Hi to all:
Is there an advantage by placing the link input capacitor on the input side of link coil or on the output side of link coil? I have seen it drawn both ways, i.e. W6SAI handbook (input) and ARRL Antenna Handbook (output).
Does anyone have any experiece with this?
Thank you.
Chuck - AA5WG

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.... Commander John ....

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.... Commander John ....

[Non-text portions of this message have been removed]

4041. Re: [ham-antennas] A QUESTION FOR SUBMISSION

Yahoo group: ham-antennas (2008)
Date: 2008-02-09 20:39:59 UTC
From: Wayne
Topic: 4034 Message: 4041

First, please turn off your cap locks key, makes it look like you are
either shouting or on a VIc 20 or Apple][+ with no shift mod.

Now, adding a director or reflector should not cause much, if any,
difference in the SWR of a dipole.
Matter of fact, the 2 meter beam that came to me taken apart and in a box
was put back together one element at a time, and I checked the SWR after
each step.
Now, if the SWR is high as a plain dipole, then a hairpin matching device
could help.
I have a tape measure beam, made with PVC and tape measure elements that
uses a hairpin match, and it does quite well. With a metal boom, it would
need some changes. Was made for fox hunting and portability, as the
elements can be rolled up when not in use.

The only way a director or reflector would change your SWR much might be
if you put them too close to the dipole (driven element).

I love playing with antennas...

Wayne WA2YNE
Imperial, tejas

On Sat, 09 Feb 2008 11:23:28 -0600, <Drbob92031@...> wrote:

> GOOD MORNING GUYS,
> DOES ANY ONE HAVE ANYTHING TO SAY ABOUT PUTTING A REFELECTOR OR DIRECTOR
> TO
> A HALF WAVE VERTICAL?.I KNOW THE SWR SHOULD BE HORENDOUSLY HIGH AND I AM
> THINKING OF A HAIRPIN FEED TO ADJUST THE SWR.
> THANKS IN ADVANCE FOR ANY HELP, ,
> BOB;WA2EAW
>
>
>
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> (http://music.aol.com/grammys/pictures/never-won-a-grammy?NCID=aolcmp003000000025
> 48)
>
>
> [Non-text portions of this message have been removed]
>

--
Using Opera's revolutionary e-mail client: http://www.opera.com/mail/

4042. Re: [ham-antennas] Input Link Capacitor (Link Antenna Coupler)

Yahoo group: ham-antennas (2008)
Date: 2008-02-09 21:11:00 UTC
From: Chuck Pool
Topic: 4035 Message: 4042

John:
Thank you!
Chuck

Commander John <crazytvjohn@...> wrote:
That was in 1970. It showed it that way in the handbook. The link is tuned to ground by the capacitor. I have never seen it any other way in a book. If you have many old radio handbooks you can trace development of the link capacitor from the time when it wasn't in the handbook and the link was adjusted by moving it in and out of the coil[swinging link]. Then it is noted in the handbook as a way to adjust the coupling[likely from QST] and then shown there after in the handbook. I use to have a lot of handbooks going back to 1946 . The link cap showed up in the early 1950's.
john w9zy

Chuck Pool <aa5wg@...> wrote:
Hi John:
Can you tell me why? That is, why did you place your capacitor on the output side of link coil vs. input side?
Thank you.
Chuck - AA5WG

Commander John wrote:
I would put mine on the part after the coil to ground. I use to have a swinging link tuner. The Capacitor makes it most adjustable.
john w9zy

aa5wg wrote:
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Does anyone have any experiece with this?
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.... Commander John ....

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.... Commander John ....

[Non-text portions of this message have been removed]

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[Non-text portions of this message have been removed]

4043. Re: [ham-antennas] A QUESTION FOR SUBMISSION

Yahoo group: ham-antennas (2008)
Date: 2008-02-10 04:19:28 UTC
From: k9ttt@comcast.net
Topic: 4034 Message: 4043

yes, there is a portion of ON4UN's book "Low-Band DX-ing" it refers to vertical antennas used on 160 (I think). I can look it up for your reference if you want.
Dale K9TTT

[Non-text portions of this message have been removed]

4044. G5RV's good performance and high VSWR with tuned by a tuner

Yahoo group: ham-antennas (2008)
Date: 2008-02-10 08:01:03 UTC
From: xperts88
Topic: 4044 Message: 4044

Hi, I am Tim a newbee learned a few articles of G5RV and made it for 102' with 31'450 ohm ladder line with MFJ993B or MFJ962, bare foot using IC706MKII. Pleaee let me know this antenna really work well even on 80 75m band with auto or manual tuner though, I don't understand some 15m 17m 30m band is very high VSWR with the tuners.
I believe G5RV works very nice to DX and NVIS from low band to high band operation even in high SWR (4:1 or higher). I use 8 turns RG58AU for balun near the tuner. I would like to know whether this antenna is compromized multiband antenna or not and the relationship between high VSWR and good performance. I wish every band lower the VSWR. Tim AH2E

4045. Re: Reflector or director with vetricle

Yahoo group: ham-antennas (2008)
Date: 2008-02-10 14:23:34 UTC
From: drbob92031
Topic: 4045 Message: 4045

I Would like to thank all those that lent me their brains,in answering my question.

BOb; WA2EAW

[Non-text portions of this message have been removed]

4046. Re: G5RV's good performance and high VSWR with tuned by a tuner

Yahoo group: ham-antennas (2008)
Date: 2008-02-10 16:14:37 UTC
From: steve95446
Topic: 4044 Message: 4046

Hi, if it works for you stick with it. However, the G5RV is a compromise on 30m and 15m where the SWR is very high.

I have used a G5RV for JOTA for many years and it worked quite well. But I recently put one up as an inverted V as a test against dedicated dipoles and the results showed:

80m - about as good as the dipole on NVIS contacts around the UK.
40m - about the same again
20m - down 1-2 S points on the dipole
15m - down 2-4 S S points on the dipole

No tests were done on 12 and 10m.

Best bet with a G5RV is continue the twin feeder to the ATU and treat it as Windom, Otherwise, losses will be high on the coax on those bands with poor SWR.

Steve G0KYA

4047. Re: Reflector or director with vetricle

Yahoo group: ham-antennas (2008)
Date: 2008-02-10 16:58:44 UTC
From: john_tartar
Topic: 4045 Message: 4047

Adding a reflector to and antenna, if properly tuned for gian, greatly reduces the feedpoint impedance. Most good beams have hairpin match to trnsform the low impedance up to 50ohms.

In theory one could add parasitic elements to a vertical, but the feedpoint impedance would be lowered, and ground losses would increse.

For example the thoeretical impedance of a 1/4 wave vertical is 35 ohms. Most hams end up matching these to 50 ohms directly because there is 15 ohms of ground loss. About 1/3 of your transmit power is being lost to the ground, but thats no too bad. Now if you ad a reflector, the feed point impendances drops down to ~5 ohms. If you still have 15 ohms of grond loss, then 3/4 of your power is being lost into ground.

Now the original idea, of adding reflectors to a 1/2 wave vertical is an excellent one. Especially if it is a 1/2 wave end fed antenna, where the impedance is very high, and the ground losses are insignificant.

If you add a single vertical parasictic element, in should be ungrounded (floating) and tuned about 5% below the operating frequency for a reflector, or 5% above the operating frequency and it for a director. You can also use a small center loading coil to adjust the resonance. So with a switched loading coil you can change the parasitic elements performance form a reflector to a director, thus reversing the direction of the antenna.

--- In ham-antennas@yahoogroups.com, "drbob92031" <Drbob92031@...>
wrote:
>
> I Would like to thank all those that lent me their brains,in
answering my
> question.
>
> BOb; WA2EAW
>
>
> [Non-text portions of this message have been removed]
>

4048. Re: [ham-antennas] Re: G5RV's good performance and high VSWR with tuned by a tuner

Yahoo group: ham-antennas (2008)
Date: 2008-02-10 16:58:42 UTC
From: W8OKN
Topic: 4044 Message: 4048

The G5RV is a compromise. A dipole fed with ladder line should perform better.

Thanks for your report. Excellent job...

W8OKN

----- Original Message -----
From: steve95446
To: ham-antennas@yahoogroups.com
Sent: Sunday, February 10, 2008 11:14 AM
Subject: [ham-antennas] Re: G5RV's good performance and high VSWR with tuned by a tuner

Hi, if it works for you stick with it. However, the G5RV is a
compromise on 30m and 15m where the SWR is very high.

I have used a G5RV for JOTA for many years and it worked quite well.
But I recently put one up as an inverted V as a test against
dedicated dipoles and the results showed:

80m - about as good as the dipole on NVIS contacts around the UK.
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No tests were done on 12 and 10m.

Best bet with a G5RV is continue the twin feeder to the ATU and
treat it as Windom, Otherwise, losses will be high on the coax on
those bands with poor SWR.

Steve G0KYA

No virus found in this incoming message.
Checked by AVG Free Edition.
Version: 7.5.516 / Virus Database: 269.20.2/1270 - Release Date: 2/10/2008 12:21 PM

[Non-text portions of this message have been removed]

4049. 1/4 wave -vs- random length

Yahoo group: ham-antennas (2008)
Date: 2008-02-10 18:27:33 UTC
From: Callum M0MCX
Topic: 4049 Message: 4049

Some of you know that I am very close to having to make my mind up over this damned vertical system for a 70 foot steel boat that□s being made.

On the one hand, I am thinking of going down an ATU route such as the SG-230 (actually, the high-power version or a copy of; SG-235) and a 28 foot vertical for general purpose HF work.

On the other hand, for about the same money, I could buy a BigIr from Steppir that covers 80m through to 6m (and it would handle substantially more power) but looks a bit crappy.

Now, I was originally taught that a 5/8 wave (for instance) had a better DX radiation pattern than a ¼ wave however doing some modelling this afternoon, it transpires that a □random□ 8.5 meter length of marine vertical will kick out some not-so-perfect patterns of RF at the higher frequencies.

So I□m slightly confused. Which is better?

Callum.

[Non-text portions of this message have been removed]

4050. need a hf transceiver!!!!!

Yahoo group: ham-antennas (2008)
Date: 2008-02-10 18:55:50 UTC
From: shubhamforme
Topic: 4050 Message: 4050

hello everyone ....
i am from india and i want a hf transceiver which has a 20m or 14mhz
band or even more will do,,,,any brand and any model is accepted ,
even if its a qrp transceiver or home brewed.....

if any 1 intrested in selling then please contact me.....
i am in a desperate need of a hf transceiver.....
regards
shubham tiwari
contact---
shubhamforme@...

4051. Re: [ham-antennas] Re: G5RV's good performance and high VSWR with tuned by a tuner

Yahoo group: ham-antennas (2008)
Date: 2008-02-10 20:46:47 UTC
From: Chris
Topic: 4044 Message: 4051

I just slapped a hamfest quality G5RV in my trees recently and did exactly that, cut the balun off and extended the window line right into the shack and my Palstar tuner.

Much better performance, though anectdotal , signal reports on regular nets have been better than they were. Electrically, I'm sure that I'm putting much more signal on the wire vs coax and a balun for wide band use.

I can get mine loaded up on 160 and 75 just fine, though at 160 I could probably make toast on the tuner more efficiently than I'm radiating, but I make regional contacts with good reports anyway.

The curious part is how much more noise I get on my wire vs my vertical. It's a lot more noisy at least at this QTH than the vertical...then again, it receives much better too. Always interesting playing with antennas, that's the one sure thing in the whole game.

On 2/10/08, steve95446 <steve@...> wrote:

> Best bet with a G5RV is continue the twin feeder to the ATU and
> treat it as Windom, Otherwise, losses will be high on the coax on
> those bands with poor SWR.
>
> Steve G0KYA

4052. Re: [ham-antennas] 1/4 wave -vs- random length

Yahoo group: ham-antennas (2008)
Date: 2008-02-10 21:00:33 UTC
From: Frank Zavada
Topic: 4049 Message: 4052

Hello Callum: My 2 cents worth, the big commercial manufactures of commercial radio equipment especially McKay, Trans world and Harris all use antenna couplers at the antenna and drive a 35 foot mast for most of the marine communication. This has been a tried and proven method for quite some time now. Now you can look at this 2 ways, either they think this is a prefer ed method for marine use , or they want to sell antenna couplers and this is the way to do it. For a fixed base station using a coupler at the antenna base seems to work quite well for me, but I am not out in a boat either. Just a point a view without re inventing the wheel. Frank

Callum M0MCX <callum@...> wrote: Some of you know that I am very close to having to make my mind up over this damned vertical system for a 70 foot steel boat that□s being made.

On the one hand, I am thinking of going down an ATU route such as the SG-230 (actually, the high-power version or a copy of; SG-235) and a 28 foot vertical for general purpose HF work.

On the other hand, for about the same money, I could buy a BigIr from Steppir that covers 80m through to 6m (and it would handle substantially more power) but looks a bit crappy.

Now, I was originally taught that a 5/8 wave (for instance) had a better DX radiation pattern than a ¼ wave however doing some modelling this afternoon, it transpires that a □random□ 8.5 meter length of marine vertical will kick out some not-so-perfect patterns of RF at the higher frequencies.

So I□m slightly confused. Which is better?

Callum.

[Non-text portions of this message have been removed]

Be a better friend, newshound, and know-it-all with Yahoo! Mobile. Try it now.

[Non-text portions of this message have been removed]

4053. Want some good antenna construction ideas? Check out "DR. ACE's antennas...NEAT!

Yahoo group: ham-antennas (2008)
Date: 2008-02-10 21:01:50 UTC
From: Vlincoln
Topic: 4053 Message: 4053

http://www.bloomington.in.us/~wh2t/ant.htm

[Non-text portions of this message have been removed]

4054. Re: [ham-antennas] G5RV's good performance and high VSWR with tuned by a tuner

Yahoo group: ham-antennas (2008)
Date: 2008-02-10 21:26:27 UTC
From: Garth Conover
Topic: 4044 Message: 4054

I am sure this will be a bit controversial, But it would seem that thru the many, many books and actual demonstrations I have seen. Your "8 turns RG58AU for balun" should be as near the feed point of the antenna as possible. In your case you want your balun to be directly below your coax to ladder line transition. doing this will keep the RF from traveling down the braid to your tuner. What you have now is all that reflected rf is going back to your tuner instead of toward the antenna. The other thing I would mention is to possibly increase your turns when you move the balun to 10 turns @ minimum 6" diameter. Also note that you should not just scramble wind the turns. if you scramble wind, the turns will cancel out and you may only be seeing electrically 2 or 3 turns. Nice neat side by side close spaced turns will allow you to see the full potential of the coil.

Here is a homebrew page with some text and many fotos showing many different coaxial baluns in use in a variety of different antenna configurations.

http://www.hamuniverse.com/balun.html<http://www.hamuniverse.com/balun.html>

Another very in depth site to go to that is a must read in my opinion:

http://www.cebik.com/wire/g5rv2.html<http://www.cebik.com/wire/g5rv2.html>

Cebik has posted many pages on a wide variety of antenna types and is an excellent resource.

----- Original Message -----
From: xperts88<mailto:xperts88@...>
To: ham-antennas@yahoogroups.com<mailto:ham-antennas@yahoogroups.com>
Sent: Sunday, February 10, 2008 3:01 AM
Subject: [ham-antennas] G5RV's good performance and high VSWR with tuned by a tuner

Hi, I am Tim a newbee learned a few articles of G5RV and made it for 102' with 31'450 ohm ladder line with MFJ993B or MFJ962, bare foot using IC706MKII. Pleaee let me know this antenna really work well even on 80 75m band with auto or manual tuner though, I don't understand some 15m 17m 30m band is very high VSWR with the tuners.
I believe G5RV works very nice to DX and NVIS from low band to high band operation even in high SWR (4:1 or higher). I use 8 turns RG58AU for balun near the tuner. I would like to know whether this antenna is compromized multiband antenna or not and the relationship between high VSWR and good performance. I wish every band lower the VSWR. Tim AH2E

[Non-text portions of this message have been removed]

4055. Re: [ham-antennas] Re: G5RV's good performance and high VSWR with tuned by a tuner

Yahoo group: ham-antennas (2008)
Date: 2008-02-10 21:38:06 UTC
From: Karl Moll
Topic: 4044 Message: 4055

I've been thinking of doing the same thing, except for running a 3 ft piece of coax from the ladder line through the window to the rig. What do you guys think of that?

Chris wrote:
>
> I just slapped a hamfest quality G5RV in my trees recently and did
> exactly that, cut the balun off and extended the window line right
> into the shack and my Palstar tuner.
>
> Much better performance, though anectdotal , signal reports on regular
> nets have been better than they were. Electrically, I'm sure that I'm
> putting much more signal on the wire vs coax and a balun for wide band
> use.
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> vertical. It's a lot more noisy at least at this QTH than the
> vertical...then again, it receives much better too. Always
> interesting playing with antennas, that's the one sure thing in the
> whole game.
>
> On 2/10/08, steve95446 <steve@...
> <mailto:steve%40infotechcomms.co.uk>> wrote:
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> > Best bet with a G5RV is continue the twin feeder to the ATU and
> > treat it as Windom, Otherwise, losses will be high on the coax on
> > those bands with poor SWR.
> >
> > Steve G0KYA
>
>

[Non-text portions of this message have been removed]

4056. Re: [ham-antennas] Re: G5RV's good performance and high VSWR with tuned by a tuner

Yahoo group: ham-antennas (2008)
Date: 2008-02-10 21:39:31 UTC
From: QRP_1@juno.com
Topic: 4044 Message: 4056

Gang,
If you have the room, get the Van Gorden All Bander. Its 135' long and fed in the center with 100' of 450 ohm line and only costs about 40 bucks - hard to buy the parts for that much to build it yourself ! I think AES and Universal Radio carries them, but with the right tuner they will cover 10 thru 160 meters !

Rick McKee, KC8AON, Ohio - www.angelfire.com/electronic2/qrp
Monthly QRP Field Day Group - http://groups.yahoo.com/group/MQFD/
With God all things are possible <><

4057. Re: [ham-antennas] Re: G5RV's good performance and high VSWR with tuned by a tuner

Yahoo group: ham-antennas (2008)
Date: 2008-02-10 21:47:16 UTC
From: Dan Schaaf
Topic: 4044 Message: 4057

Karl

I have been using a 102 ft G5RV as an inverted V mounted 28 ft up at the apex. It has the Balun between twin lead and coax to shack. Coax is maybe 12 ft long. I have worked 114 countries on 75/80 and 24 countries on 60 meters since mid Sept. I use an MFJ Versa Tuner with rotary inductor. Works great for me. Actually, I added 2.5 ft to each end so that it tunes more easily at the DX Windows on 80 CW and 75 SSB. I get a 1.1:1 SWR with the tuner.

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com "In the Beginning, there was Spark Gap"

----- Original Message -----
From: Karl Moll
To: ham-antennas@yahoogroups.com
Sent: Sunday, February 10, 2008 4:38 PM
Subject: Re: [ham-antennas] Re: G5RV's good performance and high VSWR with tuned by a tuner

I've been thinking of doing the same thing, except for running a 3 ft
piece of coax from the ladder line through the window to the rig. What
do you guys think of that?

Chris wrote:
>
> I just slapped a hamfest quality G5RV in my trees recently and did
> exactly that, cut the balun off and extended the window line right
> into the shack and my Palstar tuner.
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> nets have been better than they were. Electrically, I'm sure that I'm
> putting much more signal on the wire vs coax and a balun for wide band
> use.
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> I can get mine loaded up on 160 and 75 just fine, though at 160 I
> could probably make toast on the tuner more efficiently than I'm
> radiating, but I make regional contacts with good reports anyway.
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> The curious part is how much more noise I get on my wire vs my
> vertical. It's a lot more noisy at least at this QTH than the
> vertical...then again, it receives much better too. Always
> interesting playing with antennas, that's the one sure thing in the
> whole game.
>
> On 2/10/08, steve95446 <steve@...
> <mailto:steve%40infotechcomms.co.uk>> wrote:

>
> > Best bet with a G5RV is continue the twin feeder to the ATU and
> > treat it as Windom, Otherwise, losses will be high on the coax on
> > those bands with poor SWR.
> >
> > Steve G0KYA
>
>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

4058. Re: [ham-antennas] 1/4 wave -vs- random length

Yahoo group: ham-antennas (2008)
Date: 2008-02-10 21:51:48 UTC
From: QRP_1@juno.com
Topic: 4049 Message: 4058

Callum,
A friend of mine has great success using a 31 foot (10M) telescopic fiberglas pole from www.jackite.com with a same length of #14 wire ran through the center of it and fed with an Icom AH-4 autotuner for 10 thru 80 meter coverage. He uses it on his aluminum pontoon boat and gets good reports from all over. His ground is simply the aluminum hull of the boat.

Rick McKee, KC8AON, Ohio - www.angelfire.com/electronic2/qrp
Monthly QRP Field Day Group - http://groups.yahoo.com/group/MQFD/
With God all things are possible <><

4059. Re: [ham-antennas] Re: G5RV's good performance and high VSWR with tuned by a tuner

Yahoo group: ham-antennas (2008)
Date: 2008-02-10 21:57:33 UTC
From: QRP_1@juno.com
Topic: 4044 Message: 4059

I've been thinking of doing the same thing, except for running a 3 ft piece of coax from the ladder line through the window to the rig. What do you guys think of that?

Should work fine, but make a coaxial choke right where the coax connects to the balanced feedline to help keep RF from flowing on the outside of the coax shield. Another way is to slip several ferrite beads over the coax.

Rick McKee, KC8AON, Ohio - www.angelfire.com/electronic2/qrp
Monthly QRP Field Day Group - http://groups.yahoo.com/group/MQFD/
With God all things are possible <><

4060. RE: [ham-antennas] 1/4 wave -vs- random length

Yahoo group: ham-antennas (2008)
Date: 2008-02-10 22:09:26 UTC
From: Callum M0MCX
Topic: 4049 Message: 4060

Thanks Frank and Rick, good input.

Another source has just explained that he□d prefer a ¼ wave for every frequency since we□re not like marine frequency guys, we hop right up to the 10 m band (and beyond).

I do realise that for genuine marine bands, mostly the 8.5 meter (28 foot) whip would work exceptionally well for lots of their 8Mhz work and the middle to lower HF bands □ I am only getting concerned because much of our DX is above 14 Mhz when the rf bubble that these longer whips generate starts to go a bit cock-eyed (pancake with a high NVIS component).

C.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of QRP_1@...
Sent: 10 February 2008 21:52
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] 1/4 wave -vs- random length

Callum,
A friend of mine has great success using a 31 foot (10M) telescopic fiberglas pole from www.jackite.com with a same length of #14 wire ran through the center of it and fed with an Icom AH-4 autotuner for 10 thru 80 meter coverage. He uses it on his aluminum pontoon boat and gets good reports from all over. His ground is simply the aluminum hull of the boat.

Rick McKee, KC8AON, Ohio - www.angelfire.com/electronic2/qrp
Monthly QRP Field Day Group - http://groups.yahoo.com/group/MQFD/
With God all things are possible <><

[Non-text portions of this message have been removed]

4061. Re: Short Mast for a G5RV

Yahoo group: ham-antennas (2008)
Date: 2008-02-11 04:32:46 UTC
From: pitbon
Topic: 4009 Message: 4061

--- In ham-antennas@yahoogroups.com, "karl.moll" <km654@...> wrote:
>
> I'm in a rather restricted situation. My community is covered by
> CC&Rs. I have no trees on my property, and I'm in a single story
> house. At best, I can mount an antenna on the peak of my house which
> is about 20 feet up. I've been thinking of adding a 10 to 15 foot mast
> to get me up higher. The mast must be very unobtrusive because of the
> CC&Rs. I've been thinking of using 1/2 inch schedule 80 pvc pipe, but
> am having trouble finding it in that wall thickness. Regular schedule
> 40 will whip around entirely too much for this application. Can anyone
> recommend a non-metallic mast that is thin (less than one inch O.D.),
> neutral in color and stiff enough at 15 feet long to support an
> antenna? The ends would be attached to my fence to give me an inverted
> "V". Thanks.
>

You could try a extendable fiberglass painters pole, they come in some
pretty good lengths. I think i had one that extended to about 12 feet
or so. Hope this helps

KJ4BKK Bonner

4062. RE: [ham-antennas] Re: Short Mast for a G5RV

Yahoo group: ham-antennas (2008)
Date: 2008-02-11 04:51:01 UTC
From: James M.(Jim) Geidl
Topic: 4009 Message: 4062

Actually, you can get them 23' feet long but every one I have ever seen is bright yellow, not exactly stealthy.

Jim, K6JMG
//

> Subject: [ham-antennas] Re: Short Mast for a G5RV
>
> --- In ham-antennas@yahoogroups.com, "karl.moll" <km654@...> wrote:
> >
> > I'm in a rather restricted situation. My community is covered by
> > CC&Rs. I have no trees on my property, and I'm in a single story
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> > antenna? The ends would be attached to my fence to give me
> an inverted
> > "V". Thanks.
> >
>
>
> You could try a extendable fiberglass painters pole, they
> come in some pretty good lengths. I think i had one that
> extended to about 12 feet or so. Hope this helps
>
> KJ4BKK Bonner

4063. Re: [ham-antennas] G5RV's good performance and high VSWR with tuned by a tuner

Yahoo group: ham-antennas (2008)
Date: 2008-02-11 10:43:30 UTC
From: Dave Oldridge
Topic: 4044 Message: 4063

On 10 Feb 2008 at 8:01, xperts88 wrote:

> Hi, I am Tim a newbee learned a few articles of G5RV and made
> it for
> 102' with 31'450 ohm ladder line with MFJ993B or MFJ962, bare
> foot
> using IC706MKII. Pleaee let me know this antenna really work
> well even on
> 80 75m band with auto or manual tuner though, I don't understand
> some 15m 17m 30m band is very high VSWR with the tuners.
> I believe G5RV works very nice to DX and NVIS from low band to
> high band
> operation even in high SWR (4:1 or higher). I use 8 turns RG58AU
> for
> balun near the tuner. I would like to know whether this antenna
> is
> compromized multiband antenna or not and the relationship
> between high
> VSWR and good performance. I wish every band lower the VSWR.

I.ve put up a couple of these over the years. What is critical
is dressing the twinlead away from the flattop at a 90 degree
angle and getting it just the right length (or routing it
directly to a good tuner without using a coax length. Properly
installed and tuned it works. I had a QSO with Lou back in the
late 1970's from VE1EI in suburban Halifax and he had a
respectable (though not outstanding) signal on my vertical array.
Dale (VE7GL now) was putting up a large twin sloper delta
reflector array for a G2 ham and was party to that same QSO. The
big antenna was giving me clearly much sharper audio and several
S units better signal, but consider the difference!

--

Dave Oldridge
ICQ 1800667
VA7CZ

4064. Re: Short Mast for a G5RV

Yahoo group: ham-antennas (2008)
Date: 2008-02-11 14:07:04 UTC
From: pitbon
Topic: 4009 Message: 4064

Wow I didnt know you could get them that long, Very good to know.

The bright yellow could be fixed with a can of Krylon though!

Bonner, KJ4BKK

--- In ham-antennas@yahoogroups.com, "James M.\(Jim\) Geidl"
<jgeidl@...> wrote:
>
> Actually, you can get them 23' feet long but every one I have ever
seen is
> bright yellow, not exactly stealthy.
>
> Jim, K6JMG
> //
>
>
> > Subject: [ham-antennas] Re: Short Mast for a G5RV
> >
> > --- In ham-antennas@yahoogroups.com, "karl.moll" <km654@> wrote:
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> > > house. At best, I can mount an antenna on the peak of my
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> > > "V". Thanks.
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> > You could try a extendable fiberglass painters pole, they
> > come in some pretty good lengths. I think i had one that

> > extended to about 12 feet or so. Hope this helps
> >
> > KJ4BKK Bonner
>

4065. Re: [ham-antennas] Re: Short Mast for a G5RV

Yahoo group: ham-antennas (2008)
Date: 2008-02-11 14:10:43 UTC
From: IrishPints@comcast.net
Topic: 4009 Message: 4065

I would go with a none conductive mast. The ant may see it as a parasitic element.

--
Cheers & 73,
Todd McLaughlin N3MMH
http://www.freewebs.com/n3mmh

---------- Original message ----------
From: "pitbon" <pitbon@...>
Wow I didnt know you could get them that long, Very good to know.

The bright yellow could be fixed with a can of Krylon though!

Bonner, KJ4BKK

--- In ham-antennas@yahoogroups.com, "James M.\(Jim\) Geidl"
<jgeidl@...> wrote:
>
> Actually, you can get them 23' feet long but every one I have ever
seen is
> bright yellow, not exactly stealthy.
>
> Jim, K6JMG
> //
>
>
> > Subject: [ham-antennas] Re: Short Mast for a G5RV
> >
> > --- In ham-antennas@yahoogroups.com, "karl.moll" <km654@> wrote:
> > >
> > > I'm in a rather restricted situation. My community is covered by
> > > CC&Rs. I have no trees on my property, and I'm in a single story
> > > house. At best, I can mount an antenna on the peak of my
> > house which
> > > is about 20 feet up. I've been thinking of adding a 10 to
> > 15 foot mast
> > > to get me up higher. The mast must be very unobtrusive
> > because of the
> > > CC&Rs. I've been thinking of using 1/2 inch schedule 80 pvc
> > pipe, but
> > > am having trouble finding it in that wall thickness.
> > Regular schedule
> > > 40 will whip around entirely too much for this application.
> > Can anyone
> > > recommend a non-metallic mast that is thin (less than one
> > inch O.D.),

> > > neutral in color and stiff enough at 15 feet long to support an
> > > antenna? The ends would be attached to my fence to give me
> > an inverted
> > > "V". Thanks.
> > >
> >
> >
> > You could try a extendable fiberglass painters pole, they
> > come in some pretty good lengths. I think i had one that
> > extended to about 12 feet or so. Hope this helps
> >
> > KJ4BKK Bonner
>

[Non-text portions of this message have been removed]

4066. Re: [ham-antennas] Re: Short Mast for a G5RV

Yahoo group: ham-antennas (2008)
Date: 2008-02-11 14:19:21 UTC
From: Arthur Nienhouse
Topic: 4009 Message: 4066

I replaced sked 80 x20 ft pipe with a extruded Aluminum 1/2 " wall 24 ft
it was so flexible it was to scary to install so I found a lumber store
that had Maple Banister rail in 3 ft section for sale .
Now being this was wood working and not metal turning the size was
with in a wide tolerance so I brought my Machinist Caliper with me to
get the fit right.

I pounded the wood into the mast and never looked back when the
worst storm I have ever been in came through town 5 yrs later touched
down for about one mile ripping up a lot of stuff taking a huge tree limb
tossing it at the tower like a laser guided missile putting the tower and
antennas into the roof next store the mast survived but I lost all the
antennas
which you can see at ka9zap.com I know Aluminum is not right
for mast but this one lived to play another day I did cut it with a saw for
fast disassembly and am reusing the longest piece now
You can see the before and after at ka9zap.com
Regards
Art
ka9zap

4067. Re: [ham-antennas] Re: G5RV's good performance and high VSWR with tuned by a tuner

Yahoo group: ham-antennas (2008)
Date: 2008-02-11 17:06:17 UTC
From: Karl Moll
Topic: 4044 Message: 4067

What about a balun?

QRP_1@... wrote:
>
>
> I've been thinking of doing the same thing, except for running a 3 ft
> piece of coax from the ladder line through the window to the rig. What
> do you guys think of that?
>
> Should work fine, but make a coaxial choke right where the coax connects
> to the balanced feedline to help keep RF from flowing on the outside of
> the coax shield. Another way is to slip several ferrite beads over the
> coax.
>
> Rick McKee, KC8AON, Ohio - www.angelfire.com/electronic2/qrp
> Monthly QRP Field Day Group - http://groups.yahoo.com/group/MQFD/
> <http://groups.yahoo.com/group/MQFD/>
> With God all things are possible <><
>
>

[Non-text portions of this message have been removed]

4068. Re: [ham-antennas] Re: Short Mast for a G5RV

Yahoo group: ham-antennas (2008)
Date: 2008-02-11 19:01:32 UTC
From: Wayne
Topic: 4009 Message: 4068

There are some extendable poles that go to maybe 18 feet, give or take.
But less than 1" diamter may be a tough row to hoe, as they used to say.
I don't think that 1/2" Schedule 80 would be as stiff as one would really
want, especially if you get winds at times.
YMMV

Wayn WA2YNE
Imperial, Tejas

On Sun, 10 Feb 2008 22:32:46 -0600, pitbon <pitbon@...> wrote:

> --- In ham-antennas@yahoogroups.com, "karl.moll" <km654@...> wrote:
>>
>> I'm in a rather restricted situation. My community is covered by
>> CC&Rs. I have no trees on my property, and I'm in a single story
>> house. At best, I can mount an antenna on the peak of my house which
>> is about 20 feet up. I've been thinking of adding a 10 to 15 foot mast
>> to get me up higher. The mast must be very unobtrusive because of the
>> CC&Rs. I've been thinking of using 1/2 inch schedule 80 pvc pipe, but
>> am having trouble finding it in that wall thickness. Regular schedule
>> 40 will whip around entirely too much for this application. Can anyone
>> recommend a non-metallic mast that is thin (less than one inch O.D.),
>> neutral in color and stiff enough at 15 feet long to support an
>> antenna? The ends would be attached to my fence to give me an inverted
>> "V". Thanks.
>>
>
>
> You could try a extendable fiberglass painters pole, they come in some
> pretty good lengths. I think i had one that extended to about 12 feet
> or so. Hope this helps
>
> KJ4BKK Bonner
>

--
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4069. My Recent PAC-12 Outing

Yahoo group: ham-antennas (2008)
Date: 2008-02-11 20:58:18 UTC
From: Mark, KJ7BS
Topic: 4069 Message: 4069

Wow! What a time I had.

I managed to push up my plans by one day and start portable operations on Saturday. Operations on Saturday and Sunday were impressive.

I have only used my PAC-12 antenna with coils for individual bands and was not overly impressed. That is to say, the PAC-12 performed as expected on the 3 bands I have, 20, 30, and 40 meters requiring me to break down the antenna to change bands. Inconvenient at best.

Enter the 10-40 meter adjustable coil with tap. I had this coil built for almost a year but never had an opportunity to properly test it. Using my MFJ-259B, I found points close to resonate (SWR 2:1 or less) and marked it for each band. In the field my Elecraft K2's internal auto tuner takes care of this slight mismatch while the LDG RT-11 I use with my ICOM IC-706MKIIG handles the mismatch in this combination. Actually using the 10-40 meter coil was a breeze. Simply unclip the tap from the coil and attach it to the location on the coil corresponding to the band selected, push the tune button on the radio and BINGO, all set to operate.

Field report? Some of the reasons I pushed up my plans were (1) the FISTS Winter Sprint on Saturday, (2) the SKCC Junkbox Warz Saturday and Sunday. I thought these would offer better opportunities for contacts and give better coverage to compare performance.

Let me digress and say a little about FISTS and SKCC. FISTS is the International Morse Preservation Society with thousands of members worldwide who enjoy Morse code. You can find more information at http://www.fists.org . Their Winter Sprint was held this past weekend and is a blast to operate and is highly competitive. SKCC is the Straight Key Century Club with just over 4000 members worldwide who are dedicated to manually generated Morse code (straight keys, bugs, cooties, sideswipers), but nothing automated by electronic keyers or keyboards. More information on SKCC is available at http://www.skccgroup.com . Their Junkbox Warz requires participants to build a keying device from their junkbox without using power tools and then operate the contest with it. What a kick. If you enjoy CW, please check into these clubs.

Now back to our regularly scheduled message. . .

In the two days of portable operations I made 43 contacts and changed operating locations 3 different times (rest stop 45 miles South of Flagstaff, AZ on I-17, Stoneman Lake road about 30 miles South of Flagstaff , AZ about 1 mile east of I-17 in about a foot of snow, and the Snow Bowl ski resort about 10 miles Northwest of Flagstaff, AZ in about 50 inches of snow.

I made several FISTS and SKCC contacts, but I did not expect to make Japan, Brazil, or Argentina. Those were a surprise working off a portable antenna.

PAC-12 Antenna - http://www.pacificantenna.com/

I am in no way associated with Pacific Antennas, simply an happy user of a PAC-12 antenna.

--
Mark, KJ7BS
Glendale, AZ
Editor, The SKCC Centurion
Elecraft K2 S/N 0539
Fists # 2972 CC 1806
SKCC # 2240 C56 T20
MQFD # 128
QRP-ARCI # 12647
AZ ScQRPions
COGRC Emergency Communications

4070. Re: [ham-antennas] Re: Short Mast for a G5RV

Yahoo group: ham-antennas (2008)
Date: 2008-02-12 01:01:47 UTC
From: Wayne
Topic: 4009 Message: 4070

The two section pole my brother found some time back was green if I rcall correctly.
And I have a pole pruner here, sections about 6 foot or so, and green.
try places that sell major gardening tools and such.
Worst case, you could paint it or tape over it.
I'd be careful using some types of paint, as they might damage the material the poles are made of.
If the pole is fiberglas, they do make a paint for the material, or one could use resin top coat with added color.
Someone once suggested painting an antenna mast sky blue so it would be less noticed.

Wayne WA2YNE

On Mon, 11 Feb 2008 08:07:04 -0600, pitbon <pitbon@...> wrote:

> Wow I didnt know you could get them that long, Very good to know.
>
> The bright yellow could be fixed with a can of Krylon though!
>
>
> Bonner, KJ4BKK
>
>
> --- In ham-antennas@yahoogroups.com, "James M.\(Jim\) Geidl"
> <jgeidl@...> wrote:
>>
>> Actually, you can get them 23' feet long but every one I have ever
> seen is
>> bright yellow, not exactly stealthy.
>>
>> Jim, K6JMG
>> //
>>
>>
>> > Subject: [ham-antennas] Re: Short Mast for a G5RV
>> >
>> > --- In ham-antennas@yahoogroups.com, "karl.moll" <km654@> wrote:
>> > >
>> > > I'm in a rather restricted situation. My community is covered by
>> > > CC&Rs. I have no trees on my property, and I'm in a single story
>> > > house. At best, I can mount an antenna on the peak of my
>> > house which
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>> > 15 foot mast
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>> > because of the
>> > > CC&Rs. I've been thinking of using 1/2 inch schedule 80 pvc
>> > pipe, but
>> > > am having trouble finding it in that wall thickness.
>> > Regular schedule
>> > > 40 will whip around entirely too much for this application.
>> > Can anyone
>> > > recommend a non-metallic mast that is thin (less than one
>> > inch O.D.),
>> > > neutral in color and stiff enough at 15 feet long to support an
>> > > antenna? The ends would be attached to my fence to give me
>> > an inverted
>> > > "V". Thanks.
>> > >
>> >
>> >
>> > You could try a extendable fiberglass painters pole, they
>> > come in some pretty good lengths. I think i had one that
>> > extended to about 12 feet or so. Hope this helps
>> >
>> > KJ4BKK Bonner
>>
>
>

--
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4071. G5RV positioning

Yahoo group: ham-antennas (2008)
Date: 2008-02-12 01:38:23 UTC
From: pitbon
Topic: 4071 Message: 4071

Ok I am a real nOoB at this antenna building but I have installed a G5RV jr on my roof with the balun at approx.27-30 feet high. The length of my G5RV jr. is 51 foot long and my roof is shorter than this and here is my question... I cant raise the antenna any higher due to HOA so i turned the ends at 90 degree angleto accomodate my roof length, how else can i do this for better performance and feep it low profile for my HOA?

Here is a link to the picture ...G5RV jr
<http://i19.photobucket.com/albums/b151/bondo66/HAM/101_0161.jpg> ...
The vertical is a 2 meter that operates supremely!

ANY suggestions will be appreciated greatly!

Thanks in advance!

Bonner, KJ4BKK

[Non-text portions of this message have been removed]

4072. Re: G5RV's good performance and high VSWR with tuned by a tuner

Yahoo group: ham-antennas (2008)
Date: 2008-02-12 02:16:19 UTC
From: xperts88
Topic: 4044 Message: 4072

Hi,Steve,
Thanks for your excellent report really in the JOTA.
This is very informative to the next operation.
73 and CU
Tim, AH2E

> 80m - about as good as the dipole on NVIS contacts around the UK.
> 40m - about the same again
> 20m - down 1-2 S points on the dipole
> 15m - down 2-4 S S points on the dipole
>
> No tests were done on 12 and 10m.
>
> Best bet with a G5RV is continue the twin feeder to the ATU and
> treat it as Windom, Otherwise, losses will be high on the coax on
> those bands with poor SWR.
>
> Steve G0KYA
>

4073. Re: [ham-antennas] G5RV positioning

Yahoo group: ham-antennas (2008)
Date: 2008-02-12 02:30:14 UTC
From: Dan Schaaf
Topic: 4071 Message: 4073

Bonner

What are the HOA height restrictions?

What bands do you want to work?

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com "In the Beginning, there was Spark Gap"

----- Original Message -----
From: pitbon
To: ham-antennas@yahoogroups.com
Sent: Monday, February 11, 2008 8:38 PM
Subject: [ham-antennas] G5RV positioning

Ok I am a real nOoB at this antenna building but I have installed a G5RV jr on my roof with the balun at approx.27-30 feet high. The length of my G5RV jr. is 51 foot long and my roof is shorter than this and here is my question... I cant raise the antenna any higher due to HOA so i turned the ends at 90 degree angleto accomodate my roof length, how else can i do this for better performance and feep it low profile for my HOA?

Here is a link to the picture ...G5RV jr
<http://i19.photobucket.com/albums/b151/bondo66/HAM/101_0161.jpg> ...
The vertical is a 2 meter that operates supremely!

ANY suggestions will be appreciated greatly!

Thanks in advance!

Bonner, KJ4BKK

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

4074. Re: G5RV's good performance and high VSWR with tuned by a tuner

Yahoo group: ham-antennas (2008)
Date: 2008-02-12 02:36:38 UTC
From: xperts88
Topic: 4044 Message: 4074

Hi Chiris,
Thanks for your reply and I would like to ask soemthing.
How long do you extended line about? and just ask about your
Palstar model # like ATR30?
How much power do you put into your G5RV as you made a choice to use
just twin feeder without no balun?
73 OM Tim,

> I just slapped a hamfest quality G5RV in my trees recently and did
> exactly that, cut the balun off and extended the window line right
> into the shack and my Palstar tuner.
>
> Much better performance, though anectdotal , signal reports on regular
> nets have been better than they were. Electrically, I'm sure that I'm
> putting much more signal on the wire vs coax and a balun for wide band
> use.

4075. Re: G5RV's good performance and high VSWR with tuned by a tuner

Yahoo group: ham-antennas (2008)
Date: 2008-02-12 02:52:31 UTC
From: xperts88
Topic: 4044 Message: 4075

Hi Rick,
Just for reference, Does the only 135' long Vag Golden All Bander
cover 80,75m or even 160m band to 10m with 100' 450 ohm line?
Though I could have a restircted space in the island, I could draw
30-50ft twin lead into some cottage. Do you recoommend another one?
73 Tim,

> Gang,
> If you have the room, get the Van Gorden All Bander. Its 135'
long and
> fed in the center with 100' of 450 ohm line and only costs about 40
bucks

4076. Re: G5RV's good performance and high VSWR with tuned by a tuner

Yahoo group: ham-antennas (2008)
Date: 2008-02-12 03:06:53 UTC
From: xperts88
Topic: 4044 Message: 4076

Hi Dan,
Your opinion is very helpful for me I have been looking for.
I would like to ask something as below.
Your antenna installation is close to mine.
I have some MFJ manual tuners 962D and other auto tuner like 993B
SGC 230 239 for 160m to 6m for portable use.
Do you think better the balun between twin feeder to coax cable to TRX?
Do you think the 2.5ft of 450 feeder is effective to some smaller
tuners or auto tuners?
73 Tim,

> I have been using a 102 ft G5RV as an inverted V mounted 28 ft up at
the apex. It has the Balun between twin lead and coax to shack. Coax
is maybe 12 ft long. I have worked 114 countries on 75/80 and 24
countries on 60 meters since mid Sept. I use an MFJ Versa Tuner with
rotary inductor. Works great for me. Actually, I added 2.5 ft to each
end so that it tunes more easily at the DX Windows on 80 CW and 75
SSB. I get a 1.1:1 SWR with the tuner.

4077. Re: G5RV's good performance and high VSWR with tuned by a tuner

Yahoo group: ham-antennas (2008)
Date: 2008-02-12 03:33:23 UTC
From: xperts88
Topic: 4044 Message: 4077

Hi Steve again,
I would like to ask you something.
What do you mean the a dipole fee with ladder line should perform
better? Do you recommended other multiband one?
When using G5RV,
Which is better drawing the ladder line through window flame or a long
coaxial cable connected in series through the window.
Well do you recommend some essential books for me?
73 Tim,

> The G5RV is a compromise. A dipole fed with ladder line should
perform better.

4078. dx antenna for 40m

Yahoo group: ham-antennas (2008)
Date: 2008-02-12 08:13:05 UTC
From: aadu.adok
Topic: 4078 Message: 4078

hello,

I have a small lot (100 x 100 feet). I would like to put up dx-able antenna for 40m (waiting for better solar activity for higher band antennas). because of neighbors I'm not considering 2 element yagi nor multi el quad. So currently I'm thinking about:

* vertical
* delta loop
* g5rv

I would really appreciate if someone would comment those 3 antennas. Is it realistic to work dx from europe with any of them?

thanks a lot!!

4079. RE: [ham-antennas] dx antenna for 40m

Yahoo group: ham-antennas (2008)
Date: 2008-02-12 10:38:53 UTC
From: Callum M0MCX
Topic: 4078 Message: 4079

Hello NoName

Go vertical if you want to have a bit of DX fun on 40m; see
http://www.m0mcx.co.uk/?p=68

You have enough space for a 4-square which would blow the pants off
everything you list.

C.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On
Behalf Of aadu.adok
Sent: 12 February 2008 08:13
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] dx antenna for 40m

hello,

I have a small lot (100 x 100 feet). I would like to put up dx-able
antenna for 40m (waiting for better solar activity for higher band
antennas). because of neighbors I'm not considering 2 element yagi nor
multi el quad. So currently I'm thinking about:

* vertical
* delta loop
* g5rv

I would really appreciate if someone would comment those 3 antennas.
Is it realistic to work dx from europe with any of them?

thanks a lot!!

[Non-text portions of this message have been removed]

4080. Re: G5RV's good performance and high VSWR with tuned by a tuner

Yahoo group: ham-antennas (2008)
Date: 2008-02-12 12:20:23 UTC
From: steve95446
Topic: 4044 Message: 4080

Hi again,

If you model the G5RV with a program like MMANA or EZNEC you will find that it shows a very high SWR on 30m and 15m. In fact, on the one I tried it had a high SWR on other bands too.

If you use a coax loss calculator you will see that high SWR and coax is not a good mix - 40 feet of coax and a 12:1 SWR equals half of your power heating up the coax (3db loss).

Much better to use open wire feeder which has neglible loss at HF. The slotted 300Ohm type will easily pass around window frames.

The G5RV works well on 80 amd 40 in terms of NVIS, round the UK, contacts. It is down a couple of S points compared with a half wave dipole on 20m. High reactances mean that it can also create high voltages in your ATU on 10m too.

Having said that, it is dirt cheap.

Take a look at LB Cebik's site on the net and/or any of the excellent ARRL antenna books or the RSGB's "Backyard antennas".

Steve G0KYA

4081. Re: [ham-antennas] Re: G5RV's good performance and high VSWR with tuned by a tuner

Yahoo group: ham-antennas (2008)
Date: 2008-02-12 12:27:12 UTC
From: W8OKN
Topic: 4044 Message: 4081

A G5RV IS a dipole. There is an argument made that with some setups, and with some frequencies, there is a vertical component to it. But there are MUCH better ways to get the pattern you would want and need for a vertical component with other antennas. Ladder line, by nature, has less loss than coax, especially when the antenna is not matched, and a G5RV by design has a higher SWR, and it is very bad on some of its frequencies. If designed properly, you may see a 2:1 on some bands with a G5RV, which is acceptable for older tube rigs, but not so good with newer solid state rigs, so therefore, you need a tuner with a G5RV.

So IF you are going to have an higher SWR, as an inherent part of the antenna and design, you might as well go with a longer dipole with using ladder line. Ladder line has less loss. So, with an antenna tuner being used, which you will need for a G5RV with the newer rigs, then there is no benefit to going with a G5RV. Do the math... Don't listen to the hype. Do the math...

But if you really want to rid yourself of coaxial losses, place your tuner at the antenna feed point OR match all your antennas so that you do not need a tuner (fan dipole is cool). But going without a tuner is a thing of the past, perhaps. A G5RV is a compromise and was designed for older tube rigs out of convenience. It has survived through marketing and hype, not through science.

I use an AH-4 and it tunes at the antenna feed point, allowing for much, much less loss in the coax.

W8OKN

----- Original Message -----
From: xperts88
To: ham-antennas@yahoogroups.com
Sent: Monday, February 11, 2008 10:33 PM
Subject: [ham-antennas] Re: G5RV's good performance and high VSWR with tuned by a tuner

Hi Steve again,
I would like to ask you something.
What do you mean the a dipole fee with ladder line should perform
better? Do you recommended other multiband one?
When using G5RV,
Which is better drawing the ladder line through window flame or a long
coaxial cable connected in series through the window.
Well do you recommend some essential books for me?
73 Tim,

> The G5RV is a compromise. A dipole fed with ladder line should
perform better.

No virus found in this incoming message.
Checked by AVG Free Edition.
Version: 7.5.516 / Virus Database: 269.20.2/1271 - Release Date: 2/11/2008 8:16 AM

[Non-text portions of this message have been removed]

4082. Re: G5RV's good performance and high VSWR with tuned by a tuner

Yahoo group: ham-antennas (2008)
Date: 2008-02-12 12:50:56 UTC
From: xperts88
Topic: 4044 Message: 4082

Hello Garth,
Thank you very much for excellent advice.
For reference, I don't have ARRL Antenna Book for example,though I
want it but it is very expensive for me.
I have some similar questions to other amateurs though, I would like
to ask you. As local dwellers banned the antenna installation at the
roof top.So G5RV half is better for me. I would use ladder line but
drawing it, it is still longer to any windows so I would like to fold
back ,closely ovelap and bind them. and it is better to use light weight
legal limit balun. Could I fold back some feet above and alter the
coaxial cable balun to some firm made KW balun?
On the other hand I will make the 10 turns @ minimum 6" diameter coax
balun. Could this coax out on the the same field as externalautomatic
tuner with some radials?
If I made your coax balun, how long should I draw coax cable into the
room to coax balun? The shorter, the better?
73 Tim AH2E

4083. Re: G5RV's good performance and high VSWR with tuned by a tuner

Yahoo group: ham-antennas (2008)
Date: 2008-02-12 13:22:55 UTC
From: xperts88
Topic: 4044 Message: 4083

Steve, GM and again,
I don't have a G5RV modeling skill or never to see its data.
The reason why I put this question to you and this group,
Every friend has different results, one said 80m is wrong, the other
friend said 80,15m,10m is not tolerable to use.
73btim.

> Much better to use open wire feeder which has neglible loss at HF.
> The slotted 300Ohm type will easily pass around window frames.
>
>

4084. Re: [ham-antennas] dx antenna for 40m

Yahoo group: ham-antennas (2008)
Date: 2008-02-12 13:52:08 UTC
From: Leonard K. Pennock
Topic: 4078 Message: 4084

Take a look at a Alpha Delta DX-CC. Would be a good match for your lot
and I think it works better than the G5RV.

aadu.adok wrote:
> hello,
>
> I have a small lot (100 x 100 feet). I would like to put up dx-able
> antenna for 40m (waiting for better solar activity for higher band
> antennas). because of neighbors I'm not considering 2 element yagi nor
> multi el quad. So currently I'm thinking about:
>
> * vertical
> * delta loop
> * g5rv
>
> I would really appreciate if someone would comment those 3 antennas.
> Is it realistic to work dx from europe with any of them?
>
> thanks a lot!!
>

--
Leonard K. Pennock
AD7AS

Those who walk bravely through life, unafraid of loss or failure,
find that they very rarely lose or fail.

4085. Re: [ham-antennas] Re: G5RV's good performance and high VSWR with tuned by a tuner

Yahoo group: ham-antennas (2008)
Date: 2008-02-12 13:56:04 UTC
From: Chris
Topic: 4044 Message: 4085

Figured I'd follow up on this since I've now had a bunch of time
operating with the changed setup.

On 160m I load up fine and it works for regional, but full national,
it just isn't high enough up to work well, it's too NVIS oriented.
The top of it is probably only 35 feet.

80m works very well for regional as well, very happy there with it.

40m is solid

20m is solid, probably the best band for the antenna, which follows the math.

I can get 17m , 15m, 12m tuned, but run out of string on the tuner for
10m. My vertical works so well on these bands though that I generally
just use it there anyway.

On Feb 10, 2008 3:46 PM, Chris <kingsqueak@...> wrote:
> I just slapped a hamfest quality G5RV in my trees recently and did
> exactly that, cut the balun off and extended the window line right
> into the shack and my Palstar tuner.
>
> Much better performance, though anectdotal , signal reports on regular
> nets have been better than they were. Electrically, I'm sure that I'm
> putting much more signal on the wire vs coax and a balun for wide band
> use.
>
> I can get mine loaded up on 160 and 75 just fine, though at 160 I
> could probably make toast on the tuner more efficiently than I'm
> radiating, but I make regional contacts with good reports anyway.
>
> The curious part is how much more noise I get on my wire vs my
> vertical. It's a lot more noisy at least at this QTH than the
> vertical...then again, it receives much better too. Always
> interesting playing with antennas, that's the one sure thing in the
> whole game.
>
>
> On 2/10/08, steve95446 <steve@...> wrote:
>
> > Best bet with a G5RV is continue the twin feeder to the ATU and
> > treat it as Windom, Otherwise, losses will be high on the coax on
> > those bands with poor SWR.
> >
> > Steve G0KYA

>

4086. RE: [ham-antennas] Re: G5RV's good performance and high VSWR with tuned by a tuner

Yahoo group: ham-antennas (2008)
Date: 2008-02-12 14:13:15 UTC
From: Bill Clarke
Topic: 4044 Message: 4086

W8OKN:

What is an AH-4?

Would you please provide me with some information on it.

Regards,

Bill Clarke

Norwich, CT

w.clarke@...

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of W8OKN
Sent: Tuesday, February 12, 2008 7:27 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: G5RV's good performance and high VSWR with tuned by a tuner

A G5RV IS a dipole. There is an argument made that with some setups, and with some frequencies, there is a vertical component to it. But there are MUCH better ways to get the pattern you would want and need for a vertical component with other antennas. Ladder line, by nature, has less loss than coax, especially when the antenna is not matched, and a G5RV by design has a higher SWR, and it is very bad on some of its frequencies. If designed properly, you may see a 2:1 on some bands with a G5RV, which is acceptable for older tube rigs, but not so good with newer solid state rigs, so therefore, you need a tuner with a G5RV.

So IF you are going to have an higher SWR, as an inherent part of the antenna and design, you might as well go with a longer dipole with using ladder line. Ladder line has less loss. So, with an antenna tuner being used, which you will need for a G5RV with the newer rigs, then there is no benefit to going with a G5RV. Do the math... Don't listen to the hype. Do the math...

But if you really want to rid yourself of coaxial losses, place your tuner at the antenna feed point OR match all your antennas so that you do not need a tuner (fan dipole is cool). But going without a tuner is a thing of the past, perhaps. A G5RV is a compromise and was designed for older tube rigs out of convenience. It has survived through marketing and hype, not through science.

I use an AH-4 and it tunes at the antenna feed point, allowing for much, much less loss in the coax.

W8OKN

----- Original Message -----
From: xperts88
To: ham-antennas@ <mailto:ham-antennas%40yahoogroups.com> yahoogroups.com
Sent: Monday, February 11, 2008 10:33 PM
Subject: [ham-antennas] Re: G5RV's good performance and high VSWR with tuned by a tuner

Hi Steve again,
I would like to ask you something.
What do you mean the a dipole fee with ladder line should perform better? Do you recommended other multiband one?
When using G5RV,
Which is better drawing the ladder line through window flame or a long coaxial cable connected in series through the window.
Well do you recommend some essential books for me?
73 Tim,

> The G5RV is a compromise. A dipole fed with ladder line should perform better.

No virus found in this incoming message.
Checked by AVG Free Edition.
Version: 7.5.516 / Virus Database: 269.20.2/1271 - Release Date: 2/11/2008 8:16 AM

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

4087. RE: [ham-antennas] Re: G5RV's good performance and high VSWR with tuned by a tuner

Yahoo group: ham-antennas (2008)
Date: 2008-02-12 14:16:56 UTC
From: W8OKN
Topic: 4044 Message: 4087

Icom auto tuner. Model AH-4.

--
From the desk of W8OKN, northern Michigan

---- Bill Clarke <w.clarke@...> wrote:

==========
W8OKN:

What is an AH-4?

Would you please provide me with some information on it.

Regards,

Bill Clarke

Norwich, CT

w.clarke@...

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of W8OKN
Sent: Tuesday, February 12, 2008 7:27 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: G5RV's good performance and high VSWR with tuned by a tuner

A G5RV IS a dipole. There is an argument made that with some setups, and with some frequencies, there is a vertical component to it. But there are MUCH better ways to get the pattern you would want and need for a vertical component with other antennas. Ladder line, by nature, has less loss than coax, especially when the antenna is not matched, and a G5RV by design has a higher SWR, and it is very bad on some of its frequencies. If designed properly, you may see a 2:1 on some bands with a G5RV, which is acceptable for older tube rigs, but not so good with newer solid state rigs, so therefore, you need a tuner with a G5RV.

So IF you are going to have an higher SWR, as an inherent part of the antenna and design, you might as well go with a longer dipole with using ladder line. Ladder line has less loss. So, with an antenna tuner being used, which you will need for a G5RV with the newer rigs, then there is no benefit to going with a G5RV. Do the math... Don't listen to the hype. Do the math...

But if you really want to rid yourself of coaxial losses, place your tuner at the antenna feed point OR match all your antennas so that you do not need a tuner (fan dipole is cool). But going without a tuner is a thing of the past, perhaps. A G5RV is a compromise and was designed for older tube rigs out of convenience. It has survived through marketing and hype, not through science.

I use an AH-4 and it tunes at the antenna feed point, allowing for much, much less loss in the coax.

W8OKN

----- Original Message -----
From: xperts88
To: ham-antennas@ <mailto:ham-antennas%40yahoogroups.com> yahoogroups.com
Sent: Monday, February 11, 2008 10:33 PM
Subject: [ham-antennas] Re: G5RV's good performance and high VSWR with tuned by a tuner

Hi Steve again,
I would like to ask you something.
What do you mean the a dipole fee with ladder line should perform better? Do you recommended other multiband one?
When using G5RV,
Which is better drawing the ladder line through window flame or a long coaxial cable connected in series through the window.
Well do you recommend some essential books for me?
73 Tim,

> The G5RV is a compromise. A dipole fed with ladder line should perform better.

No virus found in this incoming message.
Checked by AVG Free Edition.
Version: 7.5.516 / Virus Database: 269.20.2/1271 - Release Date: 2/11/2008 8:16 AM

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

4088. Re: dx antenna for 40m

Yahoo group: ham-antennas (2008)
Date: 2008-02-12 14:27:00 UTC
From: steve95446
Topic: 4078 Message: 4088

When I said: "Best bet with a G5RV is continue the twin feeder to the ATU and treat it as a Windom."

I meant "treat it as a doublet" - obviously went flaky for a minute!

Steve G0KYA

4089. Re: [ham-antennas] Re: dx antenna for 40m

Yahoo group: ham-antennas (2008)
Date: 2008-02-12 14:31:00 UTC
From: W8OKN
Topic: 4078 Message: 4089

Good deal and good point.

But in reality, when you look at how these perform using a modeling program, there ain't a whole lot of difference.
--
From the desk of W8OKN, northern Michigan

---- steve95446 <steve@...> wrote:

==========
When I said: "Best bet with a G5RV is continue the twin feeder to the
ATU and treat it as a Windom."

I meant "treat it as a doublet" - obviously went flaky for a minute!

Steve G0KYA

4090. Wire Antenna Design Lengths

Yahoo group: ham-antennas (2008)
Date: 2008-02-12 15:03:17 UTC
From: Rakesh Kapoor
Topic: 4090 Message: 4090

http://www.chem.hawaii.edu/uham/antennas.html

VU2RAK

4091. Re: G5RV's good performance and high VSWR with tuned by a tuner

Yahoo group: ham-antennas (2008)
Date: 2008-02-12 18:35:26 UTC
From: xperts88
Topic: 4044 Message: 4091

HI, Dave
Thanks for your reply.
A friend in Halifax now moved to Tronto,--- I am envy yoour big antennas
and their arrays I've never try some or will never try any in the
island area hi.
Well do you show me the book or URL of your great vertical array
and how to make with photos and twin sloper Delta reflector array.
I am interested to look at anywhere.
73 Tim,

> I.ve put up a couple of these over the years. What is critical
> is dressing the twinlead away from the flattop at a 90 degree
> angle and getting it just the right length (or routing it
> directly to a good tuner without using a coax length. Properly
> installed and tuned it works. I had a QSO with Lou back in the
> late 1970's from VE1EI in suburban Halifax and he had a
> respectable (though not outstanding) signal on my vertical array.
> Dale (VE7GL now) was putting up a large twin sloper delta
> reflector array for a G2 ham and was party to that same QSO. The
> big antenna was giving me clearly much sharper audio and several
> S units better signal, but consider the difference!

4092. Re: G5RV's good performance and high VSWR with tuned by a tuner

Yahoo group: ham-antennas (2008)
Date: 2008-02-12 18:45:13 UTC
From: xperts88
Topic: 4044 Message: 4092

Hi Chris,
I am appreciated to learn your figured and actual data.
On 160m and 80m 75m band, could you install the element formed inverted V or holizontally?
I know the height of apex is 34ft of 160m G5RV very enough to intercontinental QSOs.
I will try verticals then ask something here...
How do you think about baluns in serious of ladder line?
73 Tim. AH2E

> Figured I'd follow up on this since I've now had a bunch of time
> operating with the changed setup.
>
> On 160m I load up fine and it works for regional, but full national,
> it just isn't high enough up to work well, it's too NVIS oriented.
> The top of it is probably only 35 feet.
>
> 80m works very well for regional as well, very happy there with it.
>
> 40m is solid
>
> 20m is solid, probably the best band for the antenna, which follows
the math.
>
> I can get 17m , 15m, 12m tuned, but run out of string on the tuner for
> 10m. My vertical works so well on these bands though that I generally
> just use it there anyway.
>
> On Feb 10, 2008 3:46 PM, Chris <kingsqueak@...> wrote:
> > I just slapped a hamfest quality G5RV in my trees recently and did
> > exactly that, cut the balun off and extended the window line right
> > into the shack and my Palstar tuner.
> >
> > Much better performance, though anectdotal , signal reports on regular
> > nets have been better than they were. Electrically, I'm sure that I'm
> > putting much more signal on the wire vs coax and a balun for wide band
> > use.
> >
> > I can get mine loaded up on 160 and 75 just fine, though at 160 I
> > could probably make toast on the tuner more efficiently than I'm
> > radiating, but I make regional contacts with good reports anyway.
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> > The curious part is how much more noise I get on my wire vs my
> > vertical. It's a lot more noisy at least at this QTH than the
> > vertical...then again, it receives much better too. Always

> > interesting playing with antennas, that's the one sure thing in the
> > whole game.
> >
> >
> > On 2/10/08, steve95446 <steve@...> wrote:
> >
> > > Best bet with a G5RV is continue the twin feeder to the ATU and
> > > treat it as Windom, Otherwise, losses will be high on the coax on
> > > those bands with poor SWR.
> > >
> > > Steve G0KYA
> >
>

4093. Re: G5RV's good performance and high VSWR with tuned by a tuner

Yahoo group: ham-antennas (2008)
Date: 2008-02-12 19:26:22 UTC
From: xperts88
Topic: 4044 Message: 4093

Hi again,
Thanks for your reply.
I understand much more about this antenna and a history of its use.
As I have few space, So I have been used Outbacker or other mobile
whip with full length radials but bent stealthy. But I could not get a
fair ground, the other half element didn't work well for decades.
Then I have been thinking about using ladder line and wire length
and did a math to operate in lots of band, but both my holizontal
space for dipole element is restricted and vertical space as well.
So I still need a compromized but effective radiation as possible and
have been looking for.This is based on my 30 years experience.
So what I need is an antenna for portable use by my vehicle and also
use it in my shack.
You recommend "a fan dipole " as
http://www.hamuniverse.com/multidipole.html
I tried his but there is not enough space to install then bend every
elements so some elements release and pull ropes then VSWR got worse
because of closed to some materials or a wall.
Cobra Jr. I made is very heavy.
So to bend ladder line itself and bind them tightly, not form cirlce
Does this way make a few effect or large effect as RF line?
Best regards,
Tim

> But if you really want to rid yourself of coaxial losses, place your
tuner at the antenna feed point OR match all your antennas so that you
do not need a tuner (fan dipole is cool). But going without a tuner
is a thing of the past, perhaps. A G5RV is a compromise and was
designed for older tube rigs out of convenience. It has survived
through marketing and hype, not through science.
>
> I use an AH-4 and it tunes at the antenna feed point, allowing for
much, much less loss in the coax.
>
> W8OKN

4094. Re: G5RV's good performance and high VSWR with tuned by a tuner

Yahoo group: ham-antennas (2008)
Date: 2008-02-12 19:32:35 UTC
From: xperts88
Topic: 4044 Message: 4094

Hi,see the next site.
http://www.universal-radio.com/catalog/hamtune/3702.html
73 Tim, This is used for international yacht race to amateur.
> What is an AH-4?

4095. Re: G5RV's good performance and high VSWR with tuned by a tuner

Yahoo group: ham-antennas (2008)
Date: 2008-02-12 19:35:56 UTC
From: xperts88
Topic: 4044 Message: 4095

Hi Karl,
From your view point, what balun will you recommend instead of a heavy
but effective coaxial balun?
Please let me know, too.
CU 73 Tim,
--- In ham-antennas@yahoogroups.com, Karl Moll <km654@...> wrote:
>
> What about a balun?
>

4096. 2m antenna

Yahoo group: ham-antennas (2008)
Date: 2008-02-12 21:15:44 UTC
From: Doug
Topic: 4096 Message: 4096

Hello Group,
I'm wanting to construct a 2m 1/2 wave and a fullwave base antennas.
I'm not having any luck finding do's and don'ts on the web. Any
suggestions?

Cheers!
Doug...

4097. RE: [ham-antennas] 2m antenna

Yahoo group: ham-antennas (2008)
Date: 2008-02-12 21:48:40 UTC
From: James M.(Jim) Geidl
Topic: 4096 Message: 4097

Doug,

You might want to search on 2m J-pole.

Jim, K6JMG
//

> Subject: [ham-antennas] 2m antenna
>
> Hello Group,
> I'm wanting to construct a 2m 1/2 wave and a fullwave base antennas.
> I'm not having any luck finding do's and don'ts on the web.
> Any suggestions?
>
> Cheers!
> Doug...
>
>
>
> HAM ANTENNAS Anything and everything, tell us or ask
> questions. Replies go to ALL 974 members (as of 11/07/07, and
> attachments are NOT permitted.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com

4098. Alpha Delta DX-EE Performance

Yahoo group: ham-antennas (2008)
Date: 2008-02-12 23:20:30 UTC
From: Jon Maguire
Topic: 4098 Message: 4098

I have one of the subject antennas that I plan on putting up with the apex at approx. 20 feet. Does anyone have any experience with this antenna? I realize that it is a compromise, but with an HOA and arthritis to deal with, I thought I would give it a try. I want to use it for 30M and 40M, as my R5 vertical is very "challenged" on those bamds. I also have 2 MFJ antenna tuners and will run 100 watts. 600 to 1000 watts are also a possibility, but unlikely. QRP looks better and better every day. Any comments are greatly appreciated.

73... Jon W1MNK

4099. Re: [ham-antennas] 2m antenna

Yahoo group: ham-antennas (2008)
Date: 2008-02-12 23:30:05 UTC
From: Don Rand
Topic: 4096 Message: 4099

Do a search of F.B. Cebik. He has written volumes about all kinds of antenna's, also ARRL Handbook and Antenna Anthology.

Have you considered a multi-element Quad? Easy to build, High gain, and If interested I have plans, and could provide pictures.

Don
KA5DON

----- Original Message -----
From: Doug
To: ham-antennas@yahoogroups.com
Sent: Tuesday, February 12, 2008 3:15 PM
Subject: [ham-antennas] 2m antenna

Hello Group,
I'm wanting to construct a 2m 1/2 wave and a fullwave base antennas.
I'm not having any luck finding do's and don'ts on the web. Any suggestions?

Cheers!
Doug...

[Non-text portions of this message have been removed]

4100. Re: [ham-antennas] Alpha Delta DX-EE Performance

Yahoo group: ham-antennas (2008)
Date: 2008-02-12 23:34:32 UTC
From: Leonard K. Pennock
Topic: 4098 Message: 4100

It is not resonant on 30M and Bandwidth is limited on 40M but with a tuner you should be able to use it pretty well. Remember to put the arc capsule or it will short out from high SWR on 30M.

I use the big brother, DX-CC with good luck on 80/40/20/15. Haven't done much more than check the SWR on 30 and it was rather high.

On Tue, 12 Feb 2008, Jon Maguire wrote:

|*>I have one of the subject antennas that I plan on putting up with the
|*>apex at approx. 20 feet. Does anyone have any experience with this
|*>antenna? I realize that it is a compromise, but with an HOA and
|*>arthritis to deal with, I thought I would give it a try. I want to use
|*>it for 30M and 40M, as my R5 vertical is very "challenged" on those
|*>bamds. I also have 2 MFJ antenna tuners and will run 100 watts. 600 to
|*>1000 watts are also a possibility, but unlikely. QRP looks better and
|*>better every day. Any comments are greatly appreciated.
|*>
|*>73... Jon W1MNK
|*>

Leonard K. Pennock
AD7AS

Those who walk bravely through life, unafraid of loss or failure,
find that they very rarely lose or fail.

4101. Re: [ham-antennas] 2m antenna

Yahoo group: ham-antennas (2008)
Date: 2008-02-13 00:17:07 UTC
From: QRP_1@juno.com
Topic: 4096 Message: 4101

I'm wanting to construct a 2m 1/2 wave and a fullwave base antennas.
[snip]

Is there a reason you want 1/2 wave and full wave antennas ? Quarter wave antennas are much easier to build, but the Jpole antenna is a halfwave antenna with a quarter wave matching section - I have the plans for one on my website to which there is a link in my signature below. Once you get to the main site, look around in the links to my various projects for the Jpole and click on it. I have built several of these and they work as well or better than commercial antennas. They also are very broadbanded with a low swr on the entire 2 meter band. They are made from ordinary hardware store 1/2 inch copper tubing.

Rick McKee, KC8AON, Ohio - www.angelfire.com/electronic2/qrp <---------
THIS SITE
Monthly QRP Field Day Group - http://groups.yahoo.com/group/MQFD/
With God all things are possible <><

4102. Re: [ham-antennas] Re: G5RV's good performance and high VSWR with tuned by a tuner

Yahoo group: ham-antennas (2008)
Date: 2008-02-12 23:06:53 UTC
From: QRP_1@juno.com
Topic: 4044 Message: 4102

Just for reference, Does the only 135' long Vag Golden All Bander cover 80,75m or even 160m band to 10m with 100' 450 ohm line? [snip]

Tim & Gang,
The Van Gordon All Bander is an old classic antenna that covers "ALL BANDS" 10 thru 80 meters but must use a tuner. With some tuners it will even cover 160 meters but is somewhat of a compromise on that band. So to answer your question, yes it does cover 75 & 80 meters and can possibly cover 160 with the right tuner. At one time I used a homebrew version of it here with great success but finally took it down to put up a bigger antenna. Now I use a 40 meter extended double zepp that is a 179' centerfed doublet and it covers 10 thru 160 meters just fine. But for the money (around $39) the Van Gordon All Bander is mighty hard to beat - I don't think you could buy the materials ad build it yourself for that kind of money seeing the price of copper wire these days ! If you can't find the Van Gordon All Bander though, you can always build your own. You will need 135' of #14 stranded copper wire (I prefer insulated wire), 3 insulators, and whatever length of 450 ohm balanced feedline you need to reach from the antenna feedpoint to the shack. Take the 135' wire and fold it in half to mark the center, then cut it in two at that point. Tie each half to the center insulator, and tie an insulator to the far ends of each half, then attach the feedline to each half at the center insulator. Hang it up as high as you can get it, and you can even hang it with the center supported and the ends hanging lower like an inverted V and run the feedline to the shack to the tuner. If all you can put up is one antenna, this one will serve you well without spending bunches of money.

Rick McKee, KC8AON, Ohio - www.angelfire.com/electronic2/qrp
Monthly QRP Field Day Group - http://groups.yahoo.com/group/MQFD/
With God all things are possible <><

4103. Re: [ham-antennas] dx antenna for 40m

Yahoo group: ham-antennas (2008)
Date: 2008-02-12 23:48:10 UTC
From: QRP_1@juno.com
Topic: 4078 Message: 4103

I have a small lot (100 x 100 feet). I would like to put up dx-able antenna for 40m [snip]

Put up a simple 1/4 wave vertical for 40 meters with several ground radials - I've worked lots of DX with such an arrangement. Even worked my best DX yet on 40 meters with 10 watts SSB - Australia, which is about 10,000 miles away from here !

Also, you can use basicall the same antenna for all bands with the addition of an auto tuner at the base of the vertical. A friend of mine uses a 31' telescopic fiberglas pole with a 31' #14 wire ran up through the inside of it and connected the base of the wire to an Icom AH-4 tuner and gets 10 thru 80 meter coverage with it. To make the vertical, you could also use aluminum tubing but the fiberglas pole and wire works mighty fine for him and he works a lot of DX with it on 40 !

Rick McKee, KC8AON, Ohio - www.angelfire.com/electronic2/qrp
Monthly QRP Field Day Group - http://groups.yahoo.com/group/MQFD/
With God all things are possible <><

4104. Texas Towers, Van Gorden Antenna Page

Yahoo group: ham-antennas (2008)
Date: 2008-02-13 01:59:18 UTC
From: QRP_1@juno.com
Topic: 4104 Message: 4104

http://www.texastowers.com/vgeant.htm

The Van Gorden All Bander (135' doublet) is available at this site for $49.95. The G5RV antenna is also listed and cost more money but in my opinion the All Bander is a much better antenna.

Rick McKee, KC8AON, Ohio - www.angelfire.com/electronic2/qrp
Monthly QRP Field Day Group - http://groups.yahoo.com/group/MQFD/
With God all things are possible <><

4105. Re: 2m antenna

Yahoo group: ham-antennas (2008)
Date: 2008-02-13 03:34:36 UTC
From: pitbon
Topic: 4096 Message: 4105

I am a new Ham and My brother and I just built this 2meter jpole for about 20 bucks and it is OUTSTANDING. I got it to a 1:1 SWR on the second try and i am reaching repeaters about 120-150 miles away.
Here is the link... 2Meter Jpole
<http://home.comcast.net/%7Ebuck0/5-8thx2j.htm>

This antenna works awesome and i couldnt be pleased more!

Bonner, KJ4BKK

-- In ham-antennas@yahoogroups.com, QRP_1@... wrote:
>
> I'm wanting to construct a 2m 1/2 wave and a fullwave base antennas.
> [snip]
>
> Is there a reason you want 1/2 wave and full wave antennas ? Quarter
> wave antennas are much easier to build, but the Jpole antenna is a
> halfwave antenna with a quarter wave matching section - I have the
plans
> for one on my website to which there is a link in my signature below.
> Once you get to the main site, look around in the links to my various
> projects for the Jpole and click on it. I have built several of these
> and they work as well or better than commercial antennas. They also
are
> very broadbanded with a low swr on the entire 2 meter band. They are
> made from ordinary hardware store 1/2 inch copper tubing.
>
> Rick McKee, KC8AON, Ohio - www.angelfire.com/electronic2/qrp
<---------
> THIS SITE
> Monthly QRP Field Day Group - http://groups.yahoo.com/group/MQFD/
> With God all things are possible <><
>

[Non-text portions of this message have been removed]

4106. Re: 2m antenna

Yahoo group: ham-antennas (2008)
Date: 2008-02-13 03:38:01 UTC
From: pitbon
Topic: 4096 Message: 4106

I will try to get on the roof this weekend to get some pictures of it for detail but it was super easy. We built it in about 30 minutes then had it on the roof and working in another 30 minutes...what more could you ask for!?

Bonner, KJ4BKK

--- In ham-antennas@yahoogroups.com, "pitbon" <pitbon@...> wrote:
>
>
> I am a new Ham and My brother and I just built this 2meter jpole for
> about 20 bucks and it is OUTSTANDING. I got it to a 1:1 SWR on the
> second try and i am reaching repeaters about 120-150 miles away.
> Here is the link... 2Meter Jpole
> <http://home.comcast.net/%7Ebuck0/5-8thx2j.htm>
>
> This antenna works awesome and i couldnt be pleased more!
>
>
> Bonner, KJ4BKK

4107. Re: dx antenna for 40m

Yahoo group: ham-antennas (2008)
Date: 2008-02-13 08:07:56 UTC
From: aadu.adok
Topic: 4078 Message: 4107

howdy,

I have been reading lots of good reviews about 1/4 verticals for 40m. HF2V seems a good choice. Now I have few questions about vertical installation.

This is how I'm thinking about it: I'll take 4 feet long 2 inch aluminium tube (let's call it an anchor tube). Then I'll dig a 3 foot deep hole into ground and secure anchor tube with concrete. 1 feet of anchor tube will be above the ground. Two inches below ground level (connected with saddle around the anchor tube) will come DX-engineering radial plate (http://www.dxengineering.com/Products.asp?ID=47&SecID=109&DeptID=32). At least 60 30' radials will be connected to radial plate. I'll put radials initially on the ground and cover them with 2 inch thick soil layer (I was planning to bring new soil and plant new lawn anyway). So - now the anchor tube should be rock solid (due to concrete under ground), very well radial connected, and only 1 feet of it should be visible above the ground. Okay.. Now I will connect solid aluminium rectangle shaped plate to my anchor with 3 u-bolts. My HF2V will be connected to the same plate with another 3 u-bolts.

Everything should be fine and dandy, and I should be able to use my lawn-mower around the antenna (and forget about the radials below the ground).

My concerns (and questions) are: wont the radial plate connections corrode under ground? Will the connection of antenna to anchor tube via rectangular plate and u-bolts be solid enough (I mean electrically, not mechanically)? And finally - I would like to put the coaxial running from antenna to the shack also under ground. So I guess my coaxial should come from the ground right next to anchor tube. Coaxial shield should be connected to anchor tube with screw. But how should I connect the inner thread of coaxial?

Sorry for the long story, but I really like to get it right at the first time ;)

Aadu Adok,
Tallinn - Estonia

4108. Re: 2m antenna

Yahoo group: ham-antennas (2008)
Date: 2008-02-13 13:09:11 UTC
From: pitbon
Topic: 4096 Message: 4108

Here is a view from my back yard.
KJ4BKK Roof
<http://ph.groups.yahoo.com/group/ham-antennas/photos/view/1dae?b=1>

--- In ham-antennas@yahoogroups.com, "pitbon" <pitbon@...> wrote:
>
> I will try to get on the roof this weekend to get some pictures of it
> for detail but it was super easy. We built it in about 30 minutes then
> had it on the roof and working in another 30 minutes...what more could
> you ask for!?
>
> Bonner, KJ4BKK
>
>
>
>
>
> --- In ham-antennas@yahoogroups.com, "pitbon" pitbon@ wrote:
> >
> >
> > I am a new Ham and My brother and I just built this 2meter jpole for
> > about 20 bucks and it is OUTSTANDING. I got it to a 1:1 SWR on the
> > second try and i am reaching repeaters about 120-150 miles away.
> > Here is the link... 2Meter Jpole
> > <http://home.comcast.net/%7Ebuck0/5-8thx2j.htm>
> >
> > This antenna works awesome and i couldnt be pleased more!
> >
> >
> > Bonner, KJ4BKK
>

[Non-text portions of this message have been removed]

4109. Re: [ham-antennas] Re: 2m antenna

Yahoo group: ham-antennas (2008)
Date: 2008-02-13 13:17:56 UTC
From: W8OKN
Topic: 4096 Message: 4109

Thanks for sharing that.

--
From the desk of W8OKN, northern Michigan

---- pitbon <pitbon@...> wrote:

==========
Here is a view from my back yard.
KJ4BKK Roof
<http://ph.groups.yahoo.com/group/ham-antennas/photos/view/1dae?b=1>

--- In ham-antennas@yahoogroups.com, "pitbon" <pitbon@...> wrote:
>
> I will try to get on the roof this weekend to get some pictures of it
> for detail but it was super easy. We built it in about 30 minutes then
> had it on the roof and working in another 30 minutes...what more could
> you ask for!?
>
> Bonner, KJ4BKK
>
>
>
>
>
> --- In ham-antennas@yahoogroups.com, "pitbon" pitbon@ wrote:
> >
> >
> > I am a new Ham and My brother and I just built this 2meter jpole for
> > about 20 bucks and it is OUTSTANDING. I got it to a 1:1 SWR on the
> > second try and i am reaching repeaters about 120-150 miles away.
> > Here is the link... 2Meter Jpole
> > <http://home.comcast.net/%7Ebuck0/5-8thx2j.htm>
> >
> > This antenna works awesome and i couldnt be pleased more!
> >
> >
> > Bonner, KJ4BKK
>

[Non-text portions of this message have been removed]

4110. Re: [ham-antennas] Re: G5RV's good performance and high VSWR with tuned by a tuner

Yahoo group: ham-antennas (2008)
Date: 2008-02-13 13:22:44 UTC
From: Dave Oldridge
Topic: 4044 Message: 4110

On 12 Feb 2008 at 18:35, xperts88 wrote:

> HI, Dave
> Thanks for your reply.
> A friend in Halifax now moved to Tronto,--- I am envy yoour big
> antennas
> and their arrays I've never try some or will never try any in
> the
> island area hi.
> Well do you show me the book or URL of your great vertical array
> and how to make with photos and twin sloper Delta reflector
> array.
> I am interested to look at anywhere.

I'm off HF altogether these days (except to listen) due to RFI
and an apartment QTH. I don't have any pictures of my verticals.
They were Electrospace verticals, with about a six foot capacity
hat at the top and a triband tuning unit at the base, fed with
equal lengths of RG8X. I made a phasing box with chunks of
coiled coax in it and switches to change the amount of delay and
which antenna's feed was delayed. The SWR was about 2 but my
FL2100B loaded into it just fine, even without a tuner.

The trick was to put 16 antenna-length radials under each
vertical.

--

Dave Oldridge
ICQ 1800667
VA7CZ

4111. Re: [ham-antennas] Re: 2m antenna

Yahoo group: ham-antennas (2008)
Date: 2008-02-13 14:54:14 UTC
From: Doug Chlan
Topic: 4096 Message: 4111

Hello group,

Thanks to all for the suggestions, hyperlinks and pictures. I hadn't thought of a J-pole but I'm thinking about it now! I'm in the process of constructing both 1/2 wave and fullwave verticals with 1/4 ground radials. Are there any electrical or theoretical reasons why these won't work? Or is there a coil, balun or somethings else that needs to be added to make them work? Being a Noob there's lot's I don't know or even where to look for the answers.

Cheers!
Doug...

Be smarter than spam. See how smart SpamGuard is at giving junk email the boot with the All-new Yahoo! Mail

[Non-text portions of this message have been removed]

4112. Re: [ham-antennas] Re: 2m antenna

Yahoo group: ham-antennas (2008)
Date: 2008-02-13 15:44:19 UTC
From: Leonard K. Pennock
Topic: 4096 Message: 4112

The half wave and full wave verticals have the same issues with feed point. If you try and end feed them the impedence is very high. That is the reason the J-pole uses a 1/4 wave matching section to bring the impedance down. You could easily extend the 1/2 wave section of the jpole to make a full wave section. If you decide to go some other way with and end fed you will need to design a matching section.

An alternative you can use with the 1/2 wave is to center feed it. Then you have a standard dipole configuration. For the 1/2 wave you would just add 1/2 wave to one end of your dipole to make it off center fed.

Now you may want to do some research on the pattern of a full wave radiator. If I remember correctly it doesn't have a single large lobe like the 1/2 wave but instead has more of leaf pattern with 4 lobes.

On Wed, 13 Feb 2008, Doug Chlan wrote:

|*>Hello group,
|*>
|*> Thanks to all for the suggestions, hyperlinks and pictures. I hadn't thought of a J-pole but I'm thinking about it now! I'm in the process of constructing both
|*> 1/2 wave and fullwave verticals with 1/4 ground radials. Are there any electrical or theoretical reasons why these won't work? Or is there a coil, balun or somethings else that needs to be added to make them work? Being a Noob there's lot's I don't know or even where to look for the answers.
|*>
|*> Cheers!
|*> Doug...

Leonard K. Pennock
AD7AS

Those who walk bravely through life, unafraid of loss or failure,
find that they very rarely lose or fail.

4113. RE: [ham-antennas] dx antenna for 40m

Yahoo group: ham-antennas (2008)
Date: 2008-02-13 17:13:59 UTC
From: Callum M0MCX
Topic: 4078 Message: 4113

>>> with the addition of an auto tuner at the base of the vertical

Indeed, James (M3YOM) and myself have done that before.

Great results.

Callum.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of QRP_1@...
Sent: 12 February 2008 23:48
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] dx antenna for 40m

I have a small lot (100 x 100 feet). I would like to put up dx-able antenna for 40m [snip]

Put up a simple 1/4 wave vertical for 40 meters with several ground radials - I've worked lots of DX with such an arrangement. Even worked my best DX yet on 40 meters with 10 watts SSB - Australia, which is about 10,000 miles away from here !

Also, you can use basicall the same antenna for all bands with the addition of an auto tuner at the base of the vertical. A friend of mine uses a 31' telescopic fiberglas pole with a 31' #14 wire ran up through the inside of it and connected the base of the wire to an Icom AH-4 tuner and gets 10 thru 80 meter coverage with it. To make the vertical, you could also use aluminum tubing but the fiberglas pole and wire works mighty fine for him and he works a lot of DX with it on 40 !

Rick McKee, KC8AON, Ohio - www.angelfire.com/electronic2/qrp
Monthly QRP Field Day Group - http://groups.yahoo.com/group/MQFD/
With God all things are possible <><

[Non-text portions of this message have been removed]

4114. Re: G5RV's good performance and high VSWR with tuned by a tuner

Yahoo group: ham-antennas (2008)
Date: 2008-02-13 18:25:27 UTC
From: xperts88
Topic: 4044 Message: 4114

Hi Rick again,
Thank you for your lots ofhomebrew antenna information here.
If you can recommend some tuner for 160m band match for portable
use.a big tuner with LC or Pai match unit with a math or buy some
tuner may be needed though.
And you are very good DEZ antenna and have a wide field.
The other question is how to drag the 100ft laddar line that could not
touch any soil or any material?
CU 73 Tim,

4115. Re: G5RV's good performance and high VSWR with tuned by a tuner

Yahoo group: ham-antennas (2008)
Date: 2008-02-13 18:34:59 UTC
From: xperts88
Topic: 4044 Message: 4115

Hi Dave again,
Whatis Electrospace verticals, Is this Milspec antenna
or other one ? please let me know this one with a hat.
73 CU Tim,

>
> I'm off HF altogether these days (except to listen) due to RFI
> and an apartment QTH. I don't have any pictures of my verticals.
> They were Electrospace verticals, with about a six foot capacity
> hat at the top and a triband tuning unit at the base, fed with
> equal lengths of RG8X. I made a phasing box with chunks of
> coiled coax in it and switches to change the amount of delay and
> which antenna's feed was delayed. The SWR was about 2 but my
> FL2100B loaded into it just fine, even without a tuner.
> The trick was to put 16 antenna-length radials under each
> vertical.

4116. Re: 2m antenna

Yahoo group: ham-antennas (2008)
Date: 2008-02-13 21:17:53 UTC
From: james27613
Topic: 4096 Message: 4116

hi doug,

take a look at the Moxon for 2m,

easy to build using aluminum rod 3/16" or
6 bare copper wire (or #10 etc)

Direct fed with 50 ohm coax, no matching needed
gain similar to a two element Yagi but takes up less space.
use it vertical for FM or horiziontal for SSB.

http://www.cebik.com/moxon/moxbld.html

or if you want to get on the air faster,
try the half square for 2m

http://www.cebik.com/vhf/hs.html

build it for a few dollars worth of pvc 1/2" pipe
and # 12 thhn solid wire, again direct fed 50 ohm coax.

both are directional antenna designs.

73 james ke4drn

4117. Re: 2m antenna

Yahoo group: ham-antennas (2008)
Date: 2008-02-13 21:38:57 UTC
From: gadzooks.mike
Topic: 4096 Message: 4117

Don't forget about a simple, vertical dipole. It works well.

--- In ham-antennas@yahoogroups.com, Doug Chlan <dxreddog@...> wrote:
>
> Hello group,
>
> Thanks to all for the suggestions, hyperlinks and pictures. I
hadn't thought of a J-pole but I'm thinking about it now! I'm in the
process of constructing both
> 1/2 wave and fullwave verticals with 1/4 ground radials. Are
there any electrical or theoretical reasons why these won't work? Or
is there a coil, balun or somethings else that needs to be added to
make them work? Being a Noob there's lot's I don't know or even
where to look for the answers.
>
> Cheers!
> Doug...
>
>
>
>
>
>
> ---
> Be smarter than spam. See how smart SpamGuard is at giving junk
email the boot with the All-new Yahoo! Mail
>
> [Non-text portions of this message have been removed]
>

4118. Re: 2m antenna

Yahoo group: ham-antennas (2008)
Date: 2008-02-13 22:22:06 UTC
From: Paul
Topic: 4096 Message: 4118

Doug,

Take a look at http://ph.groups.yahoo.com/group/ham-antennas/photos/browse/7179

Cost to build was approx $10 Measured gain (yes, I have access to a certified antenna range) was 3.2 dBd or 5.3 dBi.

Paul - K9ERG

--- In ham-antennas@yahoogroups.com, "Doug" <dxreddog@...> wrote:
>
> Hello Group,
> I'm wanting to construct a 2m 1/2 wave and a fullwave base antennas.
> I'm not having any luck finding do's and don'ts on the web. Any
> suggestions?
>
> Cheers!
> Doug...
>

4119. Re: [ham-antennas] Re: G5RV's good performance and high VSWR with tuned by a tuner

Yahoo group: ham-antennas (2008)
Date: 2008-02-13 22:46:01 UTC
From: QRP_1@juno.com
Topic: 4044 Message: 4119

The other question is how to drag the 100ft laddar line that could not touch any soil or any material? [snip]

Hello Tim,
Not sure what you really mean here, but just cut the ladder line just long enough to reach the shack - no need to keep it 100' on the all bander. So just cut it to whatever length you need to reach the tuner with a little extra to allow for rearranging the shack.

Rick McKee, KC8AON, Ohio - www.angelfire.com/electronic2/qrp
Monthly QRP Field Day Group - http://groups.yahoo.com/group/MQFD/
With God all things are possible <><

4120. Re: 2m antenna

Yahoo group: ham-antennas (2008)
Date: 2008-02-13 23:14:31 UTC
From: b_totten
Topic: 4096 Message: 4120

Bonner,

What is your antenna elevation in reference to the 150 mile stations?
Do you routinely talk on the repeaters that far away.

I am truly impressed that a J-Pole Omni can provide that performance,
while not unheard of.

I am moving farther away from the Austin TX repeaters this summer, but
not a huge margin, 50 miles out or so. The elevation of where I plan
to move is 200 ft or so reduced as to where I am in North Austin and
was considering a dual band beam application.

If the J-Pole performs that well and I can get it up high enough, I
will not consider a beam implementation the first round.

What are you using for feedline?

Thanks for sharing that!

AB5KT - Brian
AB5KT-1 APRS
Pflugerville Texas

--- In ham-antennas@...m, "pitbon" <pitbon@...> wrote:
>
> I will try to get on the roof this weekend to get some pictures of it
> for detail but it was super easy. We built it in about 30 minutes then
> had it on the roof and working in another 30 minutes...what more could
> you ask for!?
>
> Bonner, KJ4BKK
>
>
>
>
>
> --- In ham-antennas@yahoogroups.com, "pitbon" <pitbon@> wrote:
> >
> >
> > I am a new Ham and My brother and I just built this 2meter jpole for
> > about 20 bucks and it is OUTSTANDING. I got it to a 1:1 SWR on the
> > second try and i am reaching repeaters about 120-150 miles away.
> > Here is the link... 2Meter Jpole
> > <http://home.comcast.net/%7Ebuck0/5-8thx2j.htm>
> >
> > This antenna works awesome and i couldnt be pleased more!

> >
> >
> > Bonner, KJ4BKK
>

4121. RE: [ham-antennas] Re: 2m antenna

Yahoo group: ham-antennas (2008)
Date: 2008-02-13 23:35:43 UTC
From: James M.(Jim) Geidl
Topic: 4096 Message: 4121

Brian,

When you find the J-pole lacking, take a look at a Elk Log Periodic. I have one and love it. I can routinely reach high repeaters 100 miles away.

Jim, K6JMG
//

> Subject: [ham-antennas] Re: 2m antenna
>
> Bonner,
>
> What is your antenna elevation in reference to the 150 mile stations?
> Do you routinely talk on the repeaters that far away.
>
> I am truly impressed that a J-Pole Omni can provide that
> performance, while not unheard of.
>
> I am moving farther away from the Austin TX repeaters this
> summer, but not a huge margin, 50 miles out or so. The
> elevation of where I plan to move is 200 ft or so reduced as
> to where I am in North Austin and was considering a dual band
> beam application.
>
> If the J-Pole performs that well and I can get it up high
> enough, I will not consider a beam implementation the first round.
>
> What are you using for feedline?
>
> Thanks for sharing that!
>
> AB5KT - Brian
> AB5KT-1 APRS
> Pflugerville Texas
>
> --- In ham-antennas@yahoogroups.com, "pitbon" <pitbon@...> wrote:
> >
> > I will try to get on the roof this weekend to get some
> pictures of it
> > for detail but it was super easy. We built it in about 30
> minutes then
> > had it on the roof and working in another 30 minutes...what
> more could
> > you ask for!?
> >
> > Bonner, KJ4BKK

4122. RE: [ham-antennas] Re: G5RV's good performance and high VSWR with tuned by a tuner

Yahoo group: ham-antennas (2008)
Date: 2008-02-13 23:38:25 UTC
From: Gary H. Harmon, Jr
Topic: 4044 Message: 4122

I ordered me an ALL BANDER from Texas Towers this morning; $65 shipped.

Gary H. Harmon, Jr. / K5JWK
6003 Archwood
San Antonio, TX 78239-1504
210.657.1549 h / 210.884.6926 c

"What Would Reagan Do?"
http://www.wwrdheritage.org/

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of QRP_1@...
Sent: Wednesday, February 13, 2008 4:46 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: G5RV's good performance and high VSWR with tuned by a tuner

The other question is how to drag the 100ft laddar line that could not touch any soil or any material? [snip]

Hello Tim,
Not sure what you really mean here, but just cut the ladder line just long enough to reach the shack - no need to keep it 100' on the all bander. So just cut it to whatever length you need to reach the tuner with a little extra to allow for rearranging the shack.

Rick McKee, KC8AON, Ohio - www.angelfire.com/electronic2/qrp
Monthly QRP Field Day Group - http://groups.
<http://groups.yahoo.com/group/MQFD/> yahoo.com/group/MQFD/
With God all things are possible <><

[Non-text portions of this message have been removed]

4123. Re: [ham-antennas] Re: 2m antenna

Yahoo group: ham-antennas (2008)
Date: 2008-02-13 23:55:19 UTC
From: QRP_1@juno.com
Topic: 4096 Message: 4123

Just a quick note on 2 meter antennas. Odd multiples of a quarter wave are easier to match to 50 ohms, but multiples of halfwaves are high impedance (around 5000 ohms) and require some sort of matching network to match to a 50 ohm feedline such as the Jpole uses (quarter wave matching section) So, if you want to build a simple vertical for 2 meters that has a little gain, you could build a 3/4 wave ground plane with quarter wave ground radials. The 3/4 wave groundplane for 2 meters is about 58 inches tall with 20 inch radials that slope down at about a 45 degree angle. Incidently, a quarter wave antenna for 2 meters will also work as a 3/4 wave on 440 !

Rick McKee, KC8AON, Ohio - www.angelfire.com/electronic2/qrp
Monthly QRP Field Day Group - http://groups.yahoo.com/group/MQFD/
With God all things are possible <><

4124. Re: [ham-antennas] Re: 2m antenna

Yahoo group: ham-antennas (2008)
Date: 2008-02-14 00:01:09 UTC
From: N0ATH
Topic: 4096 Message: 4124

With 3/4 wavelength long ground radials
you may find it also works on 6 meters as
a ? wavelength vertical also - Dave / N?ATH

----- Original Message -----
From: <QRP_1@...>
To: <ham-antennas@yahoogroups.com>
Sent: Wednesday, February 13, 2008 5:55 PM
Subject: Re: [ham-antennas] Re: 2m antenna

Just a quick note on 2 meter antennas. Odd multiples of a quarter wave
are easier to match to 50 ohms, but multiples of halfwaves are high
impedance (around 5000 ohms) and require some sort of matching network to
match to a 50 ohm feedline such as the Jpole uses (quarter wave matching
section) So, if you want to build a simple vertical for 2 meters that
has a little gain, you could build a 3/4 wave ground plane with quarter
wave ground radials. The 3/4 wave groundplane for 2 meters is about 58
inches tall with 20 inch radials that slope down at about a 45 degree
angle. Incidently, a quarter wave antenna for 2 meters will also work as
a 3/4 wave on 440 !

Rick McKee, KC8AON, Ohio - www.angelfire.com/electronic2/qrp
Monthly QRP Field Day Group - http://groups.yahoo.com/group/MQFD/
With God all things are possible <><

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 974
members (as of 11/07/07,
and attachments are NOT permitted.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com

Yahoo! Groups Links

4125. RE: [ham-antennas] Re: 2m antenna

Yahoo group: ham-antennas (2008)
Date: 2008-02-14 00:08:24 UTC
From: James Thresher
Topic: 4096 Message: 4125

Hi Rick,

>> Incidently, a quarter wave antenna for 2 meters will also work as
a 3/4 wave on 440 !

I've just built a ¼ wave for 2m and as you say it gives a very good match on 70cm. Software modeling predicts about a 6dbi gain (10m over ground) on the ¼ wave for 2m at about 3 deg radiation angle, This seems to be the case in real world tests against previous antennas.

If anyone wants a small very effective homebrew 2m antenna the ¼ wave vertical is a very good option.

73 de

James M3YOM

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of QRP_1@...
Sent: 13 February 2008 23:55
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: 2m antenna

Just a quick note on 2 meter antennas. Odd multiples of a quarter wave
are easier to match to 50 ohms, but multiples of halfwaves are high
impedance (around 5000 ohms) and require some sort of matching network to
match to a 50 ohm feedline such as the Jpole uses (quarter wave matching
section) So, if you want to build a simple vertical for 2 meters that
has a little gain, you could build a 3/4 wave ground plane with quarter
wave ground radials. The 3/4 wave groundplane for 2 meters is about 58
inches tall with 20 inch radials that slope down at about a 45 degree
angle. Incidently, a quarter wave antenna for 2 meters will also work as
a 3/4 wave on 440 !

Rick McKee, KC8AON, Ohio - www.angelfire.com/electronic2/qrp
Monthly QRP Field Day Group - http://groups.yahoo.com/group/MQFD/
With God all things are possible <><

[Non-text portions of this message have been removed]

4126. Re: [ham-antennas] Re: 2m antenna

Yahoo group: ham-antennas (2008)
Date: 2008-02-14 00:09:09 UTC
From: QRP_1@juno.com
Topic: 4096 Message: 4126

With 3/4 wavelength long ground radials
you may find it also works on 6 meters as
a ? wavelength vertical also - Dave / N?ATH

That is very true Dave ! Build it with both the 2 meter and 6 meter
radials and have the best of both worlds !

Rick McKee, KC8AON, Ohio - www.angelfire.com/electronic2/qrp
Monthly QRP Field Day Group - http://groups.yahoo.com/group/MQFD/
With God all things are possible <><

4127. RE: [ham-antennas] dx antenna for 40m

Yahoo group: ham-antennas (2008)
Date: 2008-02-14 00:21:35 UTC
From: James Thresher
Topic: 4078 Message: 4127

And very effective they seem to be too,

On a 100ft x 100ft plot you should be able to build a very good 40m vertical, the fiberglass pole is the easiest way, a 10 meter one costs about £26 in the UK (that's about $50) if you can get it on a pole with 4 elevated radials it will work very well for DX, this also works pretty well when hooked up to an auto tuner (SG-230) for 80m through to 10m. Or if an auto tuner is not an option feed it with 450ohm ladder line to a tuner in the shack.

I built one last weekend fed with open wire feeder (Approx 450ohm, it was homebrew feeder) from an SG-230, the garden at my QTH is not very wide so it only had 2 elevated radials, but it still seemed to work very well.

73 de

James M3YOM

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Callum M0MCX
Sent: 13 February 2008 17:14
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] dx antenna for 40m

>>> with the addition of an auto tuner at the base of the vertical

Indeed, James (M3YOM) and myself have done that before.

Great results.

Callum.

From: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com> [mailto:ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>] On Behalf Of QRP_1@... <mailto:QRP_1%40juno.com>
Sent: 12 February 2008 23:48
To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
Subject: Re: [ham-antennas] dx antenna for 40m

I have a small lot (100 x 100 feet). I would like to put up dx-able antenna for 40m [snip]

Put up a simple 1/4 wave vertical for 40 meters with several ground radials - I've worked lots of DX with such an arrangement. Even worked my best DX yet on 40 meters with 10 watts SSB - Australia, which is about 10,000 miles away from here !

Also, you can use basicall the same antenna for all bands with the addition of an auto tuner at the base of the vertical. A friend of mine

uses a 31' telescopic fiberglas pole with a 31' #14 wire ran up through the inside of it and connected the base of the wire to an Icom AH-4 tuner and gets 10 thru 80 meter coverage with it. To make the vertical, you could also use aluminum tubing but the fiberglas pole and wire works mighty fine for him and he works a lot of DX with it on 40 !

Rick McKee, KC8AON, Ohio - www.angelfire.com/electronic2/qrp
Monthly QRP Field Day Group - http://groups.yahoo.com/group/MQFD/
With God all things are possible <><

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

4128. How to deal G5RV's laddar line to coax cable through a balun

Yahoo group: ham-antennas (2008)
Date: 2008-02-14 01:30:10 UTC
From: xperts88
Topic: 4044 Message: 4128

Hello Gary,
I am happy to know you will get ALL BANDER soon.
Some OMs had advised me,
The vertical radiation is very important then the ladder line
if 10-80m band original G5RV should have 31'long with a balun and
pull them avoid scrawling near the house materials or drag on the
soils because both lines radiate to the air as well.
Do you understand what I want to ask now ?
73 Tim,

> The other question is how to drag the 100ft laddar line that could not
> touch any soil or any material? [snip]
>
> Hello Tim,
> Not sure what you really mean here, but just cut the ladder line just
> long enough to reach the shack - no need to keep it 100' on the all
> bander. So just cut it to whatever length you need to reach the tuner
> with a little extra to allow for rearranging the shack.

4129. Re: 2m antenna

Yahoo group: ham-antennas (2008)
Date: 2008-02-14 01:39:10 UTC
From: pitbon
Topic: 4096 Message: 4129

Hey Brian,

I'll investigate the elevation references because i am not sure there. My jpole is approx 25'-28' at its base and then it is 10' tall.I connected my coax directly to the antenna with approx. 30 feet to my radio. and as i said i get a 1:1 swr. I am pretty new to this also so there was no theory, i just built it as the plan suggested other than the wrapping the line at the bottom since i had the 1:1 swr.

How would i go about checking elevations by the way?

thanks!

Bonner, KJ4BKK

--- In ham-antennas@yahoogroups.com, "b_totten" <b_totten@...> wrote:
>
> Bonner,
>
> What is your antenna elevation in reference to the 150 mile stations?
> Do you routinely talk on the repeaters that far away.
>
> I am truly impressed that a J-Pole Omni can provide that performance,
> while not unheard of.
>
> I am moving farther away from the Austin TX repeaters this summer, but
> not a huge margin, 50 miles out or so. The elevation of where I plan
> to move is 200 ft or so reduced as to where I am in North Austin and
> was considering a dual band beam application.
>
> If the J-Pole performs that well and I can get it up high enough, I
> will not consider a beam implementation the first round.
>
> What are you using for feedline?
>
> Thanks for sharing that!
>
> AB5KT - Brian
> AB5KT-1 APRS
> Pflugerville Texas
>
> --- In ham-antennas@yahoogroups.com, "pitbon" <pitbon@> wrote:
> >
> > I will try to get on the roof this weekend to get some pictures of it
> > for detail but it was super easy. We built it in about 30 minutes then
> > had it on the roof and working in another 30 minutes...what more could

> > you ask for!?
> >
> > Bonner, KJ4BKK
> >
> >
> >
> >
> >
> > --- In ham-antennas@yahoogroups.com, "pitbon" <pitbon@> wrote:
> > >
> > >
> > > I am a new Ham and My brother and I just built this 2meter jpole for
> > > about 20 bucks and it is OUTSTANDING. I got it to a 1:1 SWR on the
> > > second try and i am reaching repeaters about 120-150 miles away.
> > > Here is the link... 2Meter Jpole
> > > <http://home.comcast.net/%7Ebuck0/5-8thx2j.htm>
> > >
> > > This antenna works awesome and i couldnt be pleased more!
> > >
> > >
> > > Bonner, KJ4BKK
> >
>

4130. RE: [ham-antennas] How to deal G5RV's laddar line to coax cable through a balun

Yahoo group: ham-antennas (2008)
Date: 2008-02-14 02:03:09 UTC
From: Gary H. Harmon, Jr
Topic: 4044 Message: 4130

Hi Tim,

I think what they are saying is that it is not necessary to use all the ladder line that comes with the antenna. Just hang the puppy, route the ladder line in a reasonable manner, and cut off any extra you don't need.

If I have misread the previous answers please correct me now.

73, gary

Gary H. Harmon, Jr. / K5JWK
6003 Archwood
San Antonio, TX 78239-1504
210.657.1549 h / 210.884.6926 c

"What Would Reagan Do?"
http://www.wwrdheritage.org/

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of xperts88
Sent: Wednesday, February 13, 2008 7:30 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] How to deal G5RV's laddar line to coax cable through a balun

Hello Gary,
I am happy to know you will get ALL BANDER soon.
Some OMs had advised me,
The vertical radiation is very important then the ladder line
if 10-80m band original G5RV should have 31'long with a balun and
pull them avoid scrawling near the house materials or drag on the
soils because both lines radiate to the air as well.
Do you understand what I want to ask now ?
73 Tim,

> The other question is how to drag the 100ft laddar line that could not
> touch any soil or any material? [snip]
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> Hello Tim,
> Not sure what you really mean here, but just cut the ladder line just
> long enough to reach the shack - no need to keep it 100' on the all
> bander. So just cut it to whatever length you need to reach the tuner
> with a little extra to allow for rearranging the shack.

[Non-text portions of this message have been removed]

4131. Re: [ham-antennas] Re: 2m antenna

Yahoo group: ham-antennas (2008)
Date: 2008-02-14 02:18:49 UTC
From: W8OKN
Topic: 4096 Message: 4131

I looked you up on Google Earth. Your elevation is 601 feet.

Nice pool and tennis court in your subdivision.

W8OKN

----- Original Message -----
From: pitbon
To: ham-antennas@yahoogroups.com
Sent: Wednesday, February 13, 2008 8:39 PM
Subject: [ham-antennas] Re: 2m antenna

Hey Brian,

I'll investigate the elevation references because i am not sure there.
My jpole is approx 25'-28' at its base and then it is 10' tall.I
connected my coax directly to the antenna with approx. 30 feet to my
radio. and as i said i get a 1:1 swr. I am pretty new to this also so
there was no theory, i just built it as the plan suggested other than
the wrapping the line at the bottom since i had the 1:1 swr.

How would i go about checking elevations by the way?

thanks!

Bonner, KJ4BKK

--- In ham-antennas@yahoogroups.com, "b_totten" <b_totten@...> wrote:
>
> Bonner,
>
> What is your antenna elevation in reference to the 150 mile stations?
> Do you routinely talk on the repeaters that far away.
>
> I am truly impressed that a J-Pole Omni can provide that performance,
> while not unheard of.
>
> I am moving farther away from the Austin TX repeaters this summer, but
> not a huge margin, 50 miles out or so. The elevation of where I plan
> to move is 200 ft or so reduced as to where I am in North Austin and
> was considering a dual band beam application.
>
> If the J-Pole performs that well and I can get it up high enough, I
> will not consider a beam implementation the first round.
>
> What are you using for feedline?
>

> Thanks for sharing that!
>
> AB5KT - Brian
> AB5KT-1 APRS
> Pflugerville Texas
>
> --- In ham-antennas@yahoogroups.com, "pitbon" <pitbon@> wrote:
> >
> > I will try to get on the roof this weekend to get some pictures of it
> > for detail but it was super easy. We built it in about 30 minutes then
> > had it on the roof and working in another 30 minutes...what more could
> > you ask for!?
> >
> > Bonner, KJ4BKK
> >
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> > --- In ham-antennas@yahoogroups.com, "pitbon" <pitbon@> wrote:
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> > >
> > > I am a new Ham and My brother and I just built this 2meter jpole for
> > > about 20 bucks and it is OUTSTANDING. I got it to a 1:1 SWR on the
> > > second try and i am reaching repeaters about 120-150 miles away.
> > > Here is the link... 2Meter Jpole
> > > <http://home.comcast.net/%7Ebuck0/5-8thx2j.htm>
> > >
> > > This antenna works awesome and i couldnt be pleased more!
> > >
> > >
> > > Bonner, KJ4BKK
> >
>

No virus found in this incoming message.
Checked by AVG Free Edition.
Version: 7.5.516 / Virus Database: 269.20.4/1276 - Release Date: 2/13/2008 9:41 AM

[Non-text portions of this message have been removed]

4132. Re: How to deal G5RV's laddar line to coax cable through a balun

Yahoo group: ham-antennas (2008)
Date: 2008-02-14 02:35:39 UTC
From: Rick
Topic: 4044 Message: 4132

If you are planning on installing a G5RV that is 102 feet in total length then the 450 ohm ladder line length is important.
I use this antenna, and I have 31 feet of ladder line which is connected directly to the coax. no balun, no line isolator. I simply coiled the coax into a loop with approx. 10 turns of coax. No RF in the shack.
The ladder line comes down from the feed point and is suspended away from the tower roughly 2.5 feet all the way down the tower. It comes right down to the ground then joins the coax. I only have it suspended about 29 feet off the ground, so that is why the ladder line comes down right to the ground. However it never touches the ground or any metal. I also have vinyl siding on my home so that does not effect the ladder line.
The 31 feet is critical for this antenna to work properly.

If you are going to install an all band doublet for 80-10 then the total length would be 113 feet, which would cover 3.5-30 Mhz. In that case the experts say you need 100 feet of ladder line for the feed line. Now there lies the problem of what to do with 100 feet of ladder line if you only have a 50 foot tower! Do not coil that ladder line up, that just messes up the radiation pattern of the antenna. You can bring it down the tower, suspended away from the tower of course. Then extend it out away from the tower, off the ground and then bring it back to the shack. As long as the ladder line is off the ground, and high enough off the ground to not be bothered by dogs, children or snow then you are ok. Your tuner will need a good 4:1 balun or you can install a 4:1 balun at the end of the ladder line then run coax to the tuner. I have never used the above antenna but nearly ever article I have read during 16 years of being an Amateur has always called for 100 feet of ladder line for the doublet.

--- In ham-antennas@yahoogroups.com, "xperts88" <xperts88@...> wrote:
>
> Hello Gary,
> I am happy to know you will get ALL BANDER soon.
> Some OMs had advised me,
> The vertical radiation is very important then the ladder line
> if 10-80m band original G5RV should have 31'long with a balun and
> pull them avoid scrawling near the house materials or drag on the
> soils because both lines radiate to the air as well.
> Do you understand what I want to ask now ?
> 73 Tim,
>
> > The other question is how to drag the 100ft laddar line that could
not

> > touch any soil or any material? [snip]
> >
> > Hello Tim,
> > Not sure what you really mean here, but just cut the ladder line just
> > long enough to reach the shack - no need to keep it 100' on the all
> > bander. So just cut it to whatever length you need to reach the tuner
> > with a little extra to allow for rearranging the shack.
>

4133. Re: [ham-antennas] How to deal G5RV's laddar line to coax cable through a balun

Yahoo group: ham-antennas (2008)
Date: 2008-02-14 04:47:17 UTC
From: Karl Moll
Topic: 4044 Message: 4133

NO! The length of the ladder line is critical and must be 31 ft for a full sized G5RV. It's an active part of the antenna. You can roll it up, but don't cut it.

Gary H. Harmon, Jr wrote:
>
> Hi Tim,
>
> I think what they are saying is that it is not necessary to use all the
> ladder line that comes with the antenna. Just hang the puppy, route the
> ladder line in a reasonable manner, and cut off any extra you don't need.
>
> If I have misread the previous answers please correct me now.
>
> 73, gary
>
> Gary H. Harmon, Jr. / K5JWK
> 6003 Archwood
> San Antonio, TX 78239-1504
> 210.657.1549 h / 210.884.6926 c
>
> "What Would Reagan Do?"
> http://www.wwrdheritage.org/ <http://www.wwrdheritage.org/>
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> _____
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> From: ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>
> [mailto:ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>] On
> Behalf Of xperts88
> Sent: Wednesday, February 13, 2008 7:30 PM
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Subject: [ham-antennas] How to deal G5RV's laddar line to coax cable
> through
> a balun
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> Hello Gary,
> I am happy to know you will get ALL BANDER soon.
> Some OMs had advised me,
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> pull them avoid scrawling near the house materials or drag on the
> soils because both lines radiate to the air as well.
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> > Hello Tim,
> > Not sure what you really mean here, but just cut the ladder line just
> > long enough to reach the shack - no need to keep it 100' on the all
> > bander. So just cut it to whatever length you need to reach the tuner
> > with a little extra to allow for rearranging the shack.
>
> [Non-text portions of this message have been removed]
>
>

[Non-text portions of this message have been removed]

4134. Re: 2m antenna

Yahoo group: ham-antennas (2008)
Date: 2008-02-14 06:06:21 UTC
From: pitbon
Topic: 4096 Message: 4134

Yeah they are redoing the front of our clubhouse right now ...outside
that is, and yes it is very nice, it gets alot of use during the summer!

So 601! Now i wonder about the repeater?

Ok it is 104 miles as the bird flies and it is at an elevation of 698.

So does that tell you anything?

Bonnner, KJ4BKK

--- In ham-antennas@yahoogroups.com, "W8OKN" <w8okn@...> wrote:
>
> I looked you up on Google Earth. Your elevation is 601 feet.
>
> Nice pool and tennis court in your subdivision.
>
> W8OKN
>
>
> ----- Original Message -----
> From: pitbon
> To: ham-antennas@yahoogroups.com
> Sent: Wednesday, February 13, 2008 8:39 PM
> Subject: [ham-antennas] Re: 2m antenna
>
>
> Hey Brian,
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> I'll investigate the elevation references because i am not sure
there.
> My jpole is approx 25'-28' at its base and then it is 10' tall.I
> connected my coax directly to the antenna with approx. 30 feet to my
> radio. and as i said i get a 1:1 swr. I am pretty new to this also
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> there was no theory, i just built it as the plan suggested other
than
> the wrapping the line at the bottom since i had the 1:1 swr.
>
> How would i go about checking elevations by the way?
>
> thanks!
>
> Bonner, KJ4BKK
>
> --- In ham-antennas@yahoogroups.com, "b_totten" b_totten@ wrote:

> >
> > Bonner,
> >
> > What is your antenna elevation in reference to the 150 mile
stations?
> > Do you routinely talk on the repeaters that far away.
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> > I am truly impressed that a J-Pole Omni can provide that
performance,
> > while not unheard of.
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> > I am moving farther away from the Austin TX repeaters this summer,
but
> > not a huge margin, 50 miles out or so. The elevation of where I
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> > to move is 200 ft or so reduced as to where I am in North Austin
and
> > was considering a dual band beam application.
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> > If the J-Pole performs that well and I can get it up high enough,
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> > will not consider a beam implementation the first round.
> >
> > What are you using for feedline?
> >
> > Thanks for sharing that!
> >
> > AB5KT - Brian
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> > --- In ham-antennas@yahoogroups.com, "pitbon" <pitbon@> wrote:
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> > > had it on the roof and working in another 30 minutes...what more
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> > > --- In ham-antennas@yahoogroups.com, "pitbon" <pitbon@> wrote:
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> > > >

> > > > I am a new Ham and My brother and I just built this 2meter
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> > > > second try and i am reaching repeaters about 120-150 miles
away.
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2/13/2008 9:41 AM
>
>
> [Non-text portions of this message have been removed]
>

4135. Re: [ham-antennas] Re: 2m antenna

Yahoo group: ham-antennas (2008)
Date: 2008-02-14 06:09:16 UTC
From: Wayne
Topic: 4096 Message: 4135

I am not up on all aspects of a full wave vertical ground plane, but know it does need some kind of match. the matching device could be a base coil with a tap, or possibly a hairpin match at the half or maybe 3/4 wave point.
There are plans online for J Poles of more than 1/2 wave design, and those use hairpin matching devices between the sections.
It can be tricky to make, and I tend to suggest using aluminum to keep the weight down, and make it easier. And a well treated dowel rod may be the best thing to use between the sections.
Copper is too heavy, and you want the antenna to be light, which means it stays together better in high winds, if constructed right.
I'll do some search later on, when I get enough time, and post some URL's for you to look at...

Wayne WA2YNE
Imperial, Tejas

On Wed, 13 Feb 2008 08:54:14 -0600, Doug Chlan <dxreddog@...> wrote:

> Hello group,
> Thanks to all for the suggestions, hyperlinks and pictures. I hadn't
> thought of a J-pole but I'm thinking about it now! I'm in the process
> of constructing both
> 1/2 wave and fullwave verticals with 1/4 ground radials. Are there
> any electrical or theoretical reasons why these won't work? Or is there
> a coil, balun or somethings else that needs to be added to make them
> work? Being a Noob there's lot's I don't know or even where to look for
> the answers.
> Cheers!
> Doug...
>
>
>
> ---
> Be smarter than spam. See how smart SpamGuard is at giving junk email
> the boot with the All-new Yahoo! Mail
>
> [Non-text portions of this message have been removed]
>

--
Using Opera's revolutionary e-mail client: http://www.opera.com/mail/

4136. 40m vertical radials

Yahoo group: ham-antennas (2008)
Date: 2008-02-14 09:19:32 UTC
From: aadu.adok
Topic: 4136 Message: 4136

hello,

does it make a big difference if the radials are evenly around the antenna (in the ground)?

I would like to put the antenna to the corner of my garden - so I have only 90 degrees for radials (other 270 degrees are neighbors territory).

Or should I move the antenna more to the center of my garden..say 10 feet from the corner? Even then I have to bend most of the radials.

Any thoughts please.

73,
Aadu

4137. Re: [ham-antennas] How to deal G5RV's laddar line to coax cable through a balun

Yahoo group: ham-antennas (2008)
Date: 2008-02-14 10:11:18 UTC
From: JimK2tl
Topic: 4044 Message: 4137

You really did not mean to say "you can roll it up", did you?
No, you can nor roll up ladder line and expect it to behave like a
transmission line. It will behave like a rolled up piece of wire.

Karl Moll wrote:
>
> NO! The length of the ladder line is critical and must be 31 ft for a
> full sized G5RV. It's an active part of the antenna. You can roll it up,
> but don't cut it.
>
> Gary H. Harmon, Jr wrote:
> >
> > Hi Tim,
> >
> > I think what they are saying is that it is not necessary to use all the
> > ladder line that comes with the antenna. Just hang the puppy, route the
> > ladder line in a reasonable manner, and cut off any extra you don't
> need.
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> > From: ham-antennas@yahoogroups.com
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> > <mailto:ham-antennas%40yahoogroups.com>] On
> > Behalf Of xperts88
> > Sent: Wednesday, February 13, 2008 7:30 PM

> > To: ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>
> <mailto:ham-antennas%40yahoogroups.com>
> > Subject: [ham-antennas] How to deal G5RV's laddar line to coax cable
> > through
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> > Hello Gary,
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> > > with a little extra to allow for rearranging the shack.
> >
> > [Non-text portions of this message have been removed]
> >
> >
>
> [Non-text portions of this message have been removed]
>
>

4138. Re: [ham-antennas] How to deal G5RV's laddar line to coax cable throug h a balun

Yahoo group: ham-antennas (2008)
Date: 2008-02-14 13:04:12 UTC
From: qrp_1@juno.com
Topic: 4138 Message: 4138

NO! The length of the ladder line is critical and must be 31 ft for a full sized G5RV. It's an active part of the antenna. You can roll it up, but don't cut it.

Wasn't talking about a G5RV, we was talking about the Van Gordon All Bander that comes with 100' of feedline. But if I was using a G5RV, I would do away with the coax and extend the balanced feedline all the way to the shack for greater efficiency.

73,
Rick
KC8AON

_____
Better by design. Click here for professional graphic artists!
http://thirdpartyoffers.juno.com/TGL2121/fc/Ioyw6i3m0uayPhvKJLvNwcRUprm8WP1hBoruB8GVgGR2y4AqZxgopq/

4139. Re: How to deal G5RV's laddar line to coax cable throug h a balun

Yahoo group: ham-antennas (2008)
Date: 2008-02-14 16:16:08 UTC
From: xperts88
Topic: 4138 Message: 4139

Hi Rick,
I would do away with coax and balanced feedline all the way to any
material or house. Thank you very much Rick, Tim

> NO! The length of the ladder line is critical and must be 31 ft for a
> full sized G5RV. It's an active part of the antenna. You can roll it
up,
> but don't cut it.

4140. Re: How to deal G5RV's laddar line to coax cable through a balun

Yahoo group: ham-antennas (2008)
Date: 2008-02-14 16:28:21 UTC
From: xperts88
Topic: 4044 Message: 4140

Hi Gary,
I got the laddar line route in reasonable manner,just think this simply.
Thank you 73 Tim,

4141. Re: [ham-antennas] Re: How to deal G5RV's laddar line to coax cable throug h a balun

Yahoo group: ham-antennas (2008)
Date: 2008-02-14 16:29:07 UTC
From: Chris
Topic: 4138 Message: 4141

If you are willing to use window/ladder line right to your tuner.
Just go ahead and make the length 135' instead of using a 102' length.
It will give you much nicer efficiency on 75/80m and your tuner will
still be able to tune it all the way up.

I only modified a G5RV out of laziness as I had one, new in the bag
from a hamfest quite a while ago as a spare antenna. My plan after
I'm done playing with it as-is, is to extend it to a full wave 80m or
160m loop.

Check this article out.

http://www.cebik.com/wire/abd.html

On Thu, Feb 14, 2008 at 11:16 AM, xperts88 <xperts88@...> wrote:
> Hi Rick,
> I would do away with coax and balanced feedline all the way to any
> material or house. Thank you very much Rick, Tim
>
>
> > NO! The length of the ladder line is critical and must be 31 ft for a
> > full sized G5RV. It's an active part of the antenna. You can roll it
> up,
> > but don't cut it.
>
>
>
>
>
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 974
members (as of 11/07/07, and attachments are NOT permitted.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
>
> Yahoo! Groups Links
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>
>

4142. Re: [ham-antennas] Re: How to deal G5RV's laddar line to coax cable throug h a balun

Yahoo group: ham-antennas (2008)
Date: 2008-02-14 16:41:17 UTC
From: W8OKN
Topic: 4138 Message: 4142

I agree with Tim all the way, whatever that is worth.
--
From the desk of W8OKN, northern Michigan

---- xperts88 <xperts88@...> wrote:

==========
Hi Rick,
I would do away with coax and balanced feedline all the way to any
material or house. Thank you very much Rick, Tim

> NO! The length of the ladder line is critical and must be 31 ft for a
> full sized G5RV. It's an active part of the antenna. You can roll it
up,
> but don't cut it.

4143. Re: [ham-antennas] How to deal G5RV's laddar line to coax cable through a balun

Yahoo group: ham-antennas (2008)
Date: 2008-02-14 16:57:31 UTC
From: Karl Moll
Topic: 4044 Message: 4143

You're right. My mistake. Suspend it among tree branches, etc., but keep
it away from buildings and metal.

JimK2tl wrote:
>
> You really did not mean to say "you can roll it up", did you?
> No, you can nor roll up ladder line and expect it to behave like a
> transmission line. It will behave like a rolled up piece of wire.
>
> Karl Moll wrote:
> >
> > NO! The length of the ladder line is critical and must be 31 ft for a
> > full sized G5RV. It's an active part of the antenna. You can roll it up,
> > but don't cut it.
> >
> > Gary H. Harmon, Jr wrote:
> > >
> > > Hi Tim,
> > >
> > > I think what they are saying is that it is not necessary to use
> all the
> > > ladder line that comes with the antenna. Just hang the puppy,
> route the
> > > ladder line in a reasonable manner, and cut off any extra you don't
> > need.
> > >
> > > If I have misread the previous answers please correct me now.
> > >
> > > 73, gary
> > >
> > > Gary H. Harmon, Jr. / K5JWK
> > > 6003 Archwood
> > > San Antonio, TX 78239-1504
> > > 210.657.1549 h / 210.884.6926 c
> > >
> > > "What Would Reagan Do?"
> > > http://www.wwrdheritage.org/ <http://www.wwrdheritage.org/>
> <http://www.wwrdheritage.org/ <http://www.wwrdheritage.org/>>
> > <http://www.wwrdheritage.org/ <http://www.wwrdheritage.org/>
> <http://www.wwrdheritage.org/ <http://www.wwrdheritage.org/>>>
> > >
> > >
> > >
> > > _____

> > >
> > > From: ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>
> > <mailto:ham-antennas%40yahoogroups.com>
> > > <mailto:ham-antennas%40yahoogroups.com>
> > > [mailto:ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>
> > <mailto:ham-antennas%40yahoogroups.com>
> > > <mailto:ham-antennas%40yahoogroups.com>] On
> > > Behalf Of xperts88
> > > Sent: Wednesday, February 13, 2008 7:30 PM
> > > To: ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>
> > <mailto:ham-antennas%40yahoogroups.com>
> > <mailto:ham-antennas%40yahoogroups.com>
> > > Subject: [ham-antennas] How to deal G5RV's laddar line to coax cable
> > > through
> > > a balun
> > >
> > > Hello Gary,
> > > I am happy to know you will get ALL BANDER soon.
> > > Some OMs had advised me,
> > > The vertical radiation is very important then the ladder line
> > > if 10-80m band original G5RV should have 31'long with a balun and
> > > pull them avoid scrawling near the house materials or drag on the
> > > soils because both lines radiate to the air as well.
> > > Do you understand what I want to ask now ?
> > > 73 Tim,
> > >
> > > > The other question is how to drag the 100ft laddar line that
> could not
> > > > touch any soil or any material? [snip]
> > > >
> > > > Hello Tim,
> > > > Not sure what you really mean here, but just cut the ladder line
> just
> > > > long enough to reach the shack - no need to keep it 100' on the all
> > > > bander. So just cut it to whatever length you need to reach the
> tuner
> > > > with a little extra to allow for rearranging the shack.
> > >
> > > [Non-text portions of this message have been removed]
> > >
> > >
> >
> > [Non-text portions of this message have been removed]
> >
> >
>
>

[Non-text portions of this message have been removed]

4144. Re: How to deal G5RV's laddar line to coax cable through a balun

Yahoo group: ham-antennas (2008)
Date: 2008-02-14 17:07:15 UTC
From: xperts88
Topic: 4044 Message: 4144

Hi Rick,
Thank you very much for your excellent information and you show me very detailed and correct my knowledge to the antennas to use laddar line.
I have not enough space or install over 33ft so I will make the 102 feet G5RV for 10-80m first with 31 feet ladder line and will try this with a coax looking for RFI or burn something in the shack hi.
100 feet laddar line with holizontal element or dipole is not realistic solution to do multiband operation to me now.I use this for IOTA or portable use in the future so light weight wire antenna is a mast to install any place I've never seen.
Had been usually used my designed OCF dipole with plugs and jacks like Anderson DC terminals as to switch on/off the length of dipole asymmetrically case by case.
No tower, I just have a 33ft fishing rods and bring all TRX A(M)TU, paddlet,4,8AH Li-ion batteries,coax, water,cookies alttogether packed myself when a boatman called a small ship to leave a port. I sometimes get tired of some wire it when works wrong even some verticals and so am looking for more effective light weight antenna for portable operation as well as installing that in my restricted garden at home.TU Tim.

> If you are planning on installing a G5RV that is 102 feet in total
> length then the 450 ohm ladder line length is important.
> I use this antenna, and I have 31 feet of ladder line which is
> connected directly to the coax. no balun, no line isolator. I simply
> coiled the coax into a loop with approx. 10 turns of coax. No RF in
> the shack.
> The ladder line comes down from the feed point and is suspended away
> from the tower roughly 2.5 feet all the way down the tower. It comes
> right down to the ground then joins the coax. I only have it suspended
> about 29 feet off the ground, so that is why the ladder line comes
> down right to the ground. However it never touches the ground or any
> metal. I also have vinyl siding on my home so that does not effect the
> ladder line.
> The 31 feet is critical for this antenna to work properly.
>
> If you are going to install an all band doublet for 80-10 then the
> total length would be 113 feet, which would cover 3.5-30 Mhz. In that
> case the experts say you need 100 feet of ladder line for the feed
> line. Now there lies the problem of what to do with 100 feet of ladder
> line if you only have a 50 foot tower! Do not coil that ladder line
> up, that just messes up the radiation pattern of the antenna. You can
> bring it down the tower, suspended away from the tower of course. Then
> extend it out away from the tower, off the ground and then bring it
> back to the shack. As long as the ladder line is off the ground, and

> high enough off the ground to not be bothered by dogs, children or
> snow then you are ok. Your tuner will need a good 4:1 balun or you can
> install a 4:1 balun at the end of the ladder line then run coax to the
> tuner. I have never used the above antenna but nearly ever article I
> have read during 16 years of being an Amateur has always called for
> 100 feet of ladder line for the doublet.
>
>
> --- In ham-antennas@yahoogroups.com, "xperts88" <xperts88@> wrote:
> >
> > Hello Gary,
> > I am happy to know you will get ALL BANDER soon.
> > Some OMs had advised me,
> > The vertical radiation is very important then the ladder line
> > if 10-80m band original G5RV should have 31'long with a balun and
> > pull them avoid scrawling near the house materials or drag on the
> > soils because both lines radiate to the air as well.
> > Do you understand what I want to ask now ?
> > 73 Tim,
> >
> > > The other question is how to drag the 100ft laddar line that could
> not
> > > touch any soil or any material? [snip]
> > >
> > > Hello Tim,
> > > Not sure what you really mean here, but just cut the ladder line
just
> > > long enough to reach the shack - no need to keep it 100' on the all
> > > bander. So just cut it to whatever length you need to reach the
tuner
> > > with a little extra to allow for rearranging the shack.
> >
>

4145. Re: G5RV positioning

Yahoo group: ham-antennas (2008)
Date: 2008-02-14 17:09:54 UTC
From: pitbon
Topic: 4071 Message: 4145

Dan,

thanks for responding and sorry the delayed response.
Actually my HOA forbids antenna's so i am trying to keep it as low
profile so no one will complain! I would like for the G5RV to give me
10-40 meters if possible, i am studying for my General class license.
So when i upgrade it will there waiting for me. Ive heard some
stations coming in from colorado and Texas and Missouri so I know its
atleast functioning half way decent!
I just wasnt sure if my 90 degree bends should be at a certain length.

I am thinking also to try an attic antenna for maybe a specific band,
like either 20 or 40 and the same question applies.

Thanks for any info!

Bonner, Kj4BKK

--- In ham-antennas@yahoogroups.com, "Dan Schaaf" <dan-schaaf@...> wrote:
>
> Bonner
>
> What are the HOA height restrictions?
>
> What bands do you want to work?
>
> Best Regards
> Dan Schaaf
> K3ZXL www.k3zxl.com "In the Beginning, there was Spark Gap"
>
> ----- Original Message -----
> From: pitbon
> To: ham-antennas@yahoogroups.com
> Sent: Monday, February 11, 2008 8:38 PM
> Subject: [ham-antennas] G5RV positioning
>
>
> Ok I am a real nOoB at this antenna building but I have installed
a G5RV
> jr on my roof with the balun at approx.27-30 feet high. The length
of my
> G5RV jr. is 51 foot long and my roof is shorter than this and here
is my
> question... I cant raise the antenna any higher due to HOA so i turned
> the ends at 90 degree angleto accomodate my roof length, how else
can i

> do this for better performance and feep it low profile for my HOA?
>
> Here is a link to the picture ...G5RV jr
> <http://i19.photobucket.com/albums/b151/bondo66/HAM/101_0161.jpg> ...
> The vertical is a 2 meter that operates supremely!
>
> ANY suggestions will be appreciated greatly!
>
> Thanks in advance!
>
> Bonner, KJ4BKK
>
> [Non-text portions of this message have been removed]
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

4146. RE: [ham-antennas] Re: 2m antenna

Yahoo group: ham-antennas (2008)
Date: 2008-02-14 17:15:55 UTC
From: Callum M0MCX
Topic: 4096 Message: 4146

>>> as you say it gives a very good match on 70cm

James and I were talking about this last night (he lives nearby). He made a ¼ wave vertical for 2m which loads up on 70cms as it happens.

Q: Can one expect to match 50 ohm coax direct to a ¾ wave vertical for 70cms (which in real life is a ¼ wave for 2m inc ground plane radials)? Real life results last night demonstrated that for 2m, it was a fantastic little antenna but had little going for it on 70cms other than the fact that the SWR appears very low (terrible signal though).

We debated this topic and I wondered if the outside of the coax is assisting with the match, not the radials?

This □hairpin□ match business, I don□t know about it. I□ll have to do some digging because I□d like to match some weird lengths, not just ¼ wave occasionally.

Cheers,

Callum McCormick

http://www.m0mcx.co.uk/

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of James Thresher
Sent: 14 February 2008 00:08
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Re: 2m antenna

Hi Rick,

>> Incidently, a quarter wave antenna for 2 meters will also work as a 3/4 wave on 440 !

I've just built a ¼ wave for 2m and as you say it gives a very good match on 70cm. Software modeling predicts about a 6dbi gain (10m over ground) on the ¼ wave for 2m at about 3 deg radiation angle, This seems to be the case in real world tests against previous antennas.

If anyone wants a small very effective homebrew 2m antenna the ¼ wave vertical is a very good option.

73 de

James M3YOM

From: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
[mailto:ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
] On Behalf Of QRP_1@...m <mailto:QRP_1%40juno.com>
Sent: 13 February 2008 23:55
To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
Subject: Re: [ham-antennas] Re: 2m antenna

Just a quick note on 2 meter antennas. Odd multiples of a quarter wave are easier to match to 50 ohms, but multiples of halfwaves are high impedance (around 5000 ohms) and require some sort of matching network to match to a 50 ohm feedline such as the Jpole uses (quarter wave matching section) So, if you want to build a simple vertical for 2 meters that has a little gain, you could build a 3/4 wave ground plane with quarter wave ground radials. The 3/4 wave groundplane for 2 meters is about 58 inches tall with 20 inch radials that slope down at about a 45 degree angle. Incidently, a quarter wave antenna for 2 meters will also work as a 3/4 wave on 440 !

Rick McKee, KC8AON, Ohio - www.angelfire.com/electronic2/qrp
Monthly QRP Field Day Group - http://groups.yahoo.com/group/MQFD/
With God all things are possible <><

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

4147. VERTICAL ANTENNA

Yahoo group: ham-antennas (2008)
Date: 2008-02-15 01:11:07 UTC
From: davidnapier2
Topic: 4147 Message: 4147

HI GROUP,GLAD TO BE PART OF THE GROUP!!! I HAVE A QUESTION PLEASE,I WANT TO BUILD A 40M VERTICAL,A SIMPLE VERSION,COULD SOMEBODY TELL ME WHAT EQUATION TO USE TO GET THE LENGTH? IS THERE SOMPLACE ON "WEB' TO GET THIS INFO? ANY HELP WILL BE DEEPLY APPRECIATED!!! THANKS
DAVID/KA4ZUC

4148. Re: 2m antenna

Yahoo group: ham-antennas (2008)
Date: 2008-02-15 01:51:20 UTC
From: b_totten
Topic: 4096 Message: 4148

Jim,

Thanks for the recommendation. I looked up the Elk and all agree that
it is an outstanding antenna!

I will certainly keep this one in mind.

Brian K. Totten
AB5KT

--- In ham-antennas@yahoogroups.com, "b_totten" <b_totten@...> wrote:
>
> Bonner,
>
> What is your antenna elevation in reference to the 150 mile stations?
> Do you routinely talk on the repeaters that far away.
>
> I am truly impressed that a J-Pole Omni can provide that performance,
> while not unheard of.
>
> I am moving farther away from the Austin TX repeaters this summer, but
> not a huge margin, 50 miles out or so. The elevation of where I plan
> to move is 200 ft or so reduced as to where I am in North Austin and
> was considering a dual band beam application.
>
> If the J-Pole performs that well and I can get it up high enough, I
> will not consider a beam implementation the first round.
>
> What are you using for feedline?
>
> Thanks for sharing that!
>
> AB5KT - Brian
> AB5KT-1 APRS
> Pflugerville Texas
>
> --- In ham-antennas@yahoogroups.com, "pitbon" <pitbon@> wrote:
> >
> > I will try to get on the roof this weekend to get some pictures of it
> > for detail but it was super easy. We built it in about 30 minutes then
> > had it on the roof and working in another 30 minutes...what more could
> > you ask for!?
> >
> > Bonner, KJ4BKK
> >
> >

> >
> >
> >
> > --- In ham-antennas@yahoogroups.com, "pitbon" <pitbon@> wrote:
> > >
> > >
> > > I am a new Ham and My brother and I just built this 2meter jpole for
> > > about 20 bucks and it is OUTSTANDING. I got it to a 1:1 SWR on the
> > > second try and i am reaching repeaters about 120-150 miles away.
> > > Here is the link... 2Meter Jpole
> > > <http://home.comcast.net/%7Ebuck0/5-8thx2j.htm>
> > >
> > > This antenna works awesome and i couldnt be pleased more!
> > >
> > >
> > > Bonner, KJ4BKK
> >
>

4149. Re: [ham-antennas] Re: 2m antenna

Yahoo group: ham-antennas (2008)
Date: 2008-02-15 03:14:14 UTC
From: Wayne
Topic: 4096 Message: 4149

take a look at the pictures of my 5 element 2 meter beam.
<http://ph.groups.yahoo.com/group/ham-antennas/photos/browse/55ab>
I made a pair of 2 element beams based on the same design, but used
different mounting. One could make just the driven element as a vertical
dipole.
And can be made horizontal or vertical.
Materials can be almost any chunks of aluminum from rod to round or
square tubing.
I do not suggest using PVC for an antenna that will spend most of its
life in the sunlight. Can gradually get brittle and break when least
expected. Okay for intermittent use like trips or field days, etc....

Also, I do not like gain specifications that use DBi.
DBd is a true specification based on gain over a dipole.

Wayne WA2YNE
Imperial, Tejas

On Wed, 13 Feb 2008 15:38:57 -0600, gadzooks.mike
<gadzooks.mike@...> wrote:

> Don't forget about a simple, vertical dipole. It works well.
>
> --- In ham-antennas@yahoogroups.com, Doug Chlan <dxreddog@...> wrote:
>>
>> Hello group,
>>
>> Thanks to all for the suggestions, hyperlinks and pictures. I
> hadn't thought of a J-pole but I'm thinking about it now! I'm in the
> process of constructing both
>> 1/2 wave and fullwave verticals with 1/4 ground radials. Are
> there any electrical or theoretical reasons why these won't work? Or
> is there a coil, balun or somethings else that needs to be added to
> make them work? Being a Noob there's lot's I don't know or even
> where to look for the answers.
>>
>> Cheers!
>> Doug...

--
Using Opera's revolutionary e-mail client: http://www.opera.com/mail/

4150. How do I process the end of the G5RV's leftover laddar line before my shack?

Yahoo group: ham-antennas (2008)
Date: 2008-02-15 03:19:26 UTC
From: xperts88
Topic: 4044 Message: 4150

Hi Karl and all again,
I understand all, thank you for your advices.
I just have amother little anxious matter how I should process ,
arrange the lefover end of the ladder line.
Because of the proper radiation from it and I heard
someone said me if I had a small space to pull down from 33 feet
fishing rod apex, I had better pull the line holizontally even form
zigzag and if I have enough leftovers (if it includes a coax and a
coax balun)to shack, the leftover length of the laddar line should
be bent with a few space in proper length about one feet doing zigzag.
the people says a zigzag folded ladderline cancel,negate then reduce
RF radiation from the part but it may keep the length of the ladder line
(as a 31 feet line of a 80m G5RV) Is this something like a linear
roading section? I just met the OM once at the hamfest yeare ago.
So please answer anything how to do myself or avoid this?
73 OMs Tim,

4151. Re: [ham-antennas] Re: 2m antenna

Yahoo group: ham-antennas (2008)
Date: 2008-02-15 03:21:35 UTC
From: Doug Chlan
Topic: 4096 Message: 4151

Something I forgot to mentionn...My Wife would absolutely kill me if I installed something that was less than astaecticaly pleasing...No joke..I'm in the same position as those poor souls that live in condos etc. that can't put anything up anywhere!

Wayne <wa2yne@...> wrote:
take a look at the pictures of my 5 element 2 meter beam.

I made a pair of 2 element beams based on the same design, but used
different mounting. One could make just the driven element as a vertical
dipole.
And can be made horizontal or vertical.
Materials can be almost any chunks of aluminum from rod to round or
square tubing.
I do not suggest using PVC for an antenna that will spend most of its
life in the sunlight. Can gradually get brittle and break when least
expected. Okay for intermittent use like trips or field days, etc....

Also, I do not like gain specifications that use DBi.
DBd is a true specification based on gain over a dipole.

Wayne WA2YNE
Imperial, Tejas

On Wed, 13 Feb 2008 15:38:57 -0600, gadzooks.mike
wrote:

> Don't forget about a simple, vertical dipole. It works well.
>
> --- In ham-antennas@yahoogroups.com, Doug Chlan wrote:
>>
>> Hello group,
>>
>> Thanks to all for the suggestions, hyperlinks and pictures. I
> hadn't thought of a J-pole but I'm thinking about it now! I'm in the
> process of constructing both
>> 1/2 wave and fullwave verticals with 1/4 ground radials. Are
> there any electrical or theoretical reasons why these won't work? Or
> is there a coil, balun or somethings else that needs to be added to
> make them work? Being a Noob there's lot's I don't know or even
> where to look for the answers.
>>
>> Cheers!
>> Doug...

--
Using Opera's revolutionary e-mail client: http://www.opera.com/mail/

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 974 members (as of 11/07/07, and attachments are NOT permitted.
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Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com

Yahoo! Groups Links

Ask a question on any topic and get answers from real people. Go to Yahoo! Answers.

[Non-text portions of this message have been removed]

4152. Re: How to deal G5RV's laddar line to coax cable throug h a balun

Yahoo group: ham-antennas (2008)
Date: 2008-02-15 03:55:54 UTC
From: xperts88
Topic: 4138 Message: 4152

Hi Chris,
Thank you very much you show me Cebik's 135' multiband dipole instead
102' is better, I see all.It is about 5% shorter than that of full
size 80m dipole using coax.
Do you know the transfer coupling products Cebik recommends in the
market? there is only use the ladder line pull direct into the
tuner in a schack, this will another issue.To make two halls on the
wall for feed line terminals is prohibited here. The theory of your
and Cebik is very helpful.
73 TU Tim,

--- In ham-antennas@yahoogro

> I only modified a G5RV out of laziness as I had one, new in the bag
> from a hamfest quite a while ago as a spare antenna. My plan after
> I'm done playing with it as-is, is to extend it to a full wave 80m or
> 160m loop.
>
> Check this article out.
>
> http://www.cebik.com/wire/abd.html
>
> On Thu, Feb 14, 2008 at 11:16 AM, xperts88 <xperts88@...> wrote:
> > Hi Rick,
> > I would do away with coax and balanced feedline all the way to any
> > material or house. Thank you very much Rick, Tim
> >
> >
> > > NO! The length of the ladder line is critical and must be 31 ft
for a
> > > full sized G5RV. It's an active part of the antenna. You can
roll it
> > up,
> > > but don't cut it.
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> > HAM ANTENNAS Anything and everything, tell us or ask questions.
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> > Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> > List owner: ham-antennas-owner@yahoogroups.com
> >
> > Yahoo! Groups Links
> >
> >
> >
> >
>

4153. RE: [ham-antennas] VERTICAL ANTENNA

Yahoo group: ham-antennas (2008)
Date: 2008-02-15 09:28:33 UTC
From: Callum M0MCX
Topic: 4147 Message: 4153

Depending on frequency and whether you will have elevated tuned radials, start at around 10.25 meters and then start folding back /cutting.

Someone should invent a formula involving the speed of light and the wavelength!

:)

Callum.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of davidnapier2
Sent: 15 February 2008 01:11
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] VERTICAL ANTENNA

HI GROUP,GLAD TO BE PART OF THE GROUP!!! I HAVE A QUESTION PLEASE,I WANT TO BUILD A 40M VERTICAL,A SIMPLE VERSION,COULD SOMEBODY TELL ME WHAT EQUATION TO USE TO GET THE LENGTH? IS THERE SOMPLACE ON "WEB' TO GET THIS INFO? ANY HELP WILL BE DEEPLY APPRECIATED!!! THANKS DAVID/KA4ZUC

[Non-text portions of this message have been removed]

4154. Re: [ham-antennas] How to deal G5RV's laddar line to coax cable through a balun

Yahoo group: ham-antennas (2008)
Date: 2008-02-15 12:50:50 UTC
From: Dave Oldridge
Topic: 4044 Message: 4154

On 13 Feb 2008 at 20:47, Karl Moll wrote:

> NO! The length of the ladder line is critical and must be 31 ft
> for a
> full sized G5RV. It's an active part of the antenna. You can
> roll it up,
> but don't cut it.

Unless, of course, you simpy run it into a tuner with a balanced output, in which case the length isn´t critical at all. Strictly speaking it´s a matching stub, not a radiating element.

--

Dave Oldridge
ICQ 1800667
VA7CZ

4155. Re: [ham-antennas] VERTICAL ANTENNA

Yahoo group: ham-antennas (2008)
Date: 2008-02-15 12:50:49 UTC
From: Dave Oldridge
Topic: 4147 Message: 4155

On 15 Feb 2008 at 1:11, davidnapier2 wrote:

> HI GROUP,GLAD TO BE PART OF THE GROUP!!! I HAVE A QUESTION
> PLEASE,I
> WANT TO BUILD A 40M VERTICAL,A SIMPLE VERSION,COULD SOMEBODY
> TELL ME
> WHAT EQUATION TO USE TO GET THE LENGTH? IS THERE SOMPLACE ON
> "WEB' TO
> GET THIS INFO? ANY HELP WILL BE DEEPLY APPRECIATED!!! THANKS
> DAVID/KA4ZUC

234/f where f is in mhz will give you the length in feet.

--

Dave Oldridge
ICQ 1800667
VA7CZ

4156. Re: [ham-antennas] Re: G5RV's good performance and high VSWR with tuned by a tuner

Yahoo group: ham-antennas (2008)
Date: 2008-02-15 12:50:48 UTC
From: Dave Oldridge
Topic: 4044 Message: 4156

On 13 Feb 2008 at 18:34, xperts88 wrote:

> Hi Dave again,
> Whatis Electrospace verticals, Is this Milspec antenna
> or other one ? please let me know this one with a hat.

The company stopped manufacturing ham antennas shortly after that. I believe they then concentrated on military systems and eventually sold out to Raytheon.

The antennas were about 32 feet of telescoping thick wall aluminum with the capacity hat made of wire loops bolted to the top and the tuning units were adjusted with slugs. They were pretty effective for me. I bought them some months apart and when I put the first one up (in a late February ice storm), I got it tuned, then fired up the rig on 40m CW and called CQ. It was around 3 or 4 in the afternoon and VK6MR came back to me immediately--long path!

If money was no concern, I'd consider an 18HT from Hy-Gain. Especially for the low bands. Unless you can get a horizontal antenna to 130 feet (about 40m) for 80m and about twice that for 160m, they just don't work that well. For wave-lengths from 40m down, yagi arrays become more and more practical as frequency increases,

--

Dave Oldridge
ICQ 1800667
VA7CZ

4157. RE: [ham-antennas] VERTICAL ANTENNA

Yahoo group: ham-antennas (2008)
Date: 2008-02-15 16:06:29 UTC
From: N3UJJ (Scott Gillis)
Topic: 4147 Message: 4157

Try This:

http://www.google.com/search?q=antenna+length+formula

Scott Gillis N3UJJ
<http://location.n3ujj.com/> My Current Location
<http://weather.n3ujj.com/> My Amateur Weather Station

-----Original Message-----
From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of davidnapier2
Sent: Thursday, February 14, 2008 20:11
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] VERTICAL ANTENNA

HI GROUP,GLAD TO BE PART OF THE GROUP!!! I HAVE A QUESTION PLEASE,I WANT TO BUILD A 40M VERTICAL,A SIMPLE VERSION,COULD SOMEBODY TELL ME WHAT EQUATION TO USE TO GET THE LENGTH? IS THERE SOMPLACE ON "WEB' TO GET THIS INFO? ANY HELP WILL BE DEEPLY APPRECIATED!!! THANKS
DAVID/KA4ZUC

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 974 members (as of 11/07/07, and attachments are NOT permitted.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com

Yahoo! Groups Links

[Non-text portions of this message have been removed]

4158. want to purchase hf 20m ssb qrp homebrew or company rig!!!!

Yahoo group: ham-antennas (2008)
Date: 2008-02-15 16:45:51 UTC
From: shubhamforme
Topic: 4158 Message: 4158

hello everyone ....
i want a hf transceiver which has a 20m or 14mhz
band or even more will do,,,,any brand and any model is accepted ,
even if its a qrp transceiver or home brewed..... .....

if any 1 intrested in selling then please contact me.....
i am in a desperate need of a hf transceiver. ....
regards
shubham tiwari
contact---
shubhamformeATyahoo.com

4159. Suggestions welcome re: all-band dipole

Yahoo group: ham-antennas (2008)
Date: 2008-02-16 16:29:41 UTC
From: lecontejoe
Topic: 4159 Message: 4159

Back in the day, back when I lived on property with trees, I put up a 135-foot long wire dipole, fed with ladder line, tuned with a Johnson Matchbox. Used it on 80 and 40, ran a tribander for 20-15-10.

After a few years of adventures and 28 moves (military service) -- including being wiped out in Hurricane Katrina -- we are building the place from which we will not leave. Problem is -- there's not a tree in sight and the house is one story with a hip roof (no gables to tie antennas onto).

http://www.schlatter.org/Nneck%20House/nneck%20house%20pg%201.htm

I am putting three structures on the lot:
-- house
-- garage to the right rear of the house
-- shed-workshop at the far left corner of the lot.
-- lot measures 135 wide X 240 deep.

The garage will be 24 X 30 with 100 amp service and I'm planning to build an 8 X 6 ham shack in the garage. If I tie one end of a 135-foot wire to a vent pipe on the back of the house roof I think I can run the wire to the garage where the center insulator will be tied to something on the roof, then, run the other leg of the wire out to the storage shed. This will result in a dipole that's fairly horizontal but viewed from above will be a slight V with center angle of around 160 degrees.

At the house I should be able to keep the wire 24-25 feet off the ground (house has 3 foot crawl space, 9 foot ceilings, 6/12 pitch roof puts the top of the roof 15 feet above the ceiling -- 3+9+15=27 feet to the peak of the roof). I can get only 20 feet at the garage and 16-18 feet at best at the shed (unless I stick up a pole on the shed to give me 25 or so feet).

Homeowner's association covenants do not restrict antennas. In fact, some folks have old TV antennas but I am concerned that I'll push the envelope with a dipole, tribander, and VHF and UHF Yagis.

So -- question is -- what is the smallest wire gauge I can get away with for a 135-ft dipole center-fed with ladder line? The ladder line will be obscured from view by the garage but I've got to use wire and rope for the body of the dipole that will be the least visible. I run only 100 watts.

I'm planning to stick two pieces of 3-inch PVC, each about 2 feet long, through the roof of the garage, one at each end -- like a vent pipe. Secure the PVC to a rafter with a U-bolt. Beneath the PVC,

secure a piece of doubled 3/4-inch plywood to several ceiling joists; bolt rotator to the plywood and run the mast up through the PVC -- put a tri-bander on one mast, VHF and UHF Yagis on the other. Masts will be long enough to clear top of garage roof while keeping the antennas as low profile as possible.

4160. Re: Suggestions welcome re: all-band dipole

Yahoo group: ham-antennas (2008)
Date: 2008-02-17 14:58:20 UTC
From: john_tartar
Topic: 4159 Message: 4160

"The Wireman" sells a 26 guage stranded copperweld. It's pretty tough. I have one end tied to a tree that blows around a lot in the wind. It's very small and nearly invisible. I just wish it came in white (rather than black) then it really would be invisible. The Wireman does say that it's not recomended for 160m, but 80m and up are ok.

With your installation, all the supports are fixed, so the wind sway is minimal.

Another suggestion, plant some tress. Reaseach things to find out what kind of tress grow fast in your area. You can get establised tress from a nursery, for a $50 to $200 depending on the size. Fertilize & water them well and pray. I started using mine as antenna supports, only 3 years after they were planted.

--- In ham-antennas@yahoogroups.com, "lecontejoe" <joe@...> wrote:
>
> Back in the day, back when I lived on property with trees, I put up a
> 135-foot long wire dipole, fed with ladder line, tuned with a Johnson
> Matchbox. Used it on 80 and 40, ran a tribander for 20-15-10.
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> After a few years of adventures and 28 moves (military service) --
> including being wiped out in Hurricane Katrina -- we are building the
> place from which we will not leave. Problem is -- there's not a tree
> in sight and the house is one story with a hip roof (no gables to tie
> antennas onto).
>
> http://www.schlatter.org/Nneck%20House/nneck%20house%20pg%201.htm
>
> I am putting three structures on the lot:
> -- house
> -- garage to the right rear of the house
> -- shed-workshop at the far left corner of the lot.
> -- lot measures 135 wide X 240 deep.
>
> The garage will be 24 X 30 with 100 amp service and I'm planning to
> build an 8 X 6 ham shack in the garage. If I tie one end of a 135-
> foot wire to a vent pipe on the back of the house roof I think I can
> run the wire to the garage where the center insulator will be tied

to
> something on the roof, then, run the other leg of the wire out to
the
> storage shed. This will result in a dipole that's fairly
horizontal
> but viewed from above will be a slight V with center angle of
around
> 160 degrees.
>
> At the house I should be able to keep the wire 24-25 feet off the
> ground (house has 3 foot crawl space, 9 foot ceilings, 6/12 pitch
> roof puts the top of the roof 15 feet above the ceiling --
3+9+15=27
> feet to the peak of the roof). I can get only 20 feet at the
garage
> and 16-18 feet at best at the shed (unless I stick up a pole on the
> shed to give me 25 or so feet).
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> Homeowner's association covenants do not restrict antennas. In
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> some folks have old TV antennas but I am concerned that I'll push
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> envelope with a dipole, tribander, and VHF and UHF Yagis.
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> So -- question is -- what is the smallest wire gauge I can get away
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> line will be obscured from view by the garage but I've got to use
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> visible. I run only 100 watts.
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>
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> long, through the roof of the garage, one at each end -- like a
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> pipe. Secure the PVC to a rafter with a U-bolt. Beneath the PVC,
> secure a piece of doubled 3/4-inch plywood to several ceiling
joists;
> bolt rotator to the plywood and run the mast up through the PVC --
> put a tri-bander on one mast, VHF and UHF Yagis on the other.
Masts
> will be long enough to clear top of garage roof while keeping the
> antennas as low profile as possible.
>

4161. Re: Suggestions welcome re: all-band dipole

Yahoo group: ham-antennas (2008)
Date: 2008-02-17 15:43:10 UTC
From: lecontejoe
Topic: 4159 Message: 4161

Thanks -- I'll check out Wireman's wire.

Being retired, after we move in, hang pictures, and do all the other stuff associated with moving, I'll have time to experiment with antennas.

Another possiblity is two end-fed wires. I'll have a tribander for 20-25-10, so, I need a wire for 80 and 40. I'm thinking that maybe I could lay out a few 1/4 wave ground wire -- 2-3 each for 40 and 80, then, run a 1/4-wave end-feed 80-mtr wire from garage to shed and 1/4-wave 40-meter wire to the house -- it would look like a dipole with one end twice as long as the other but actually would be two antennas. With this arrangement, I'd have to connect/disconnect the 40 or 80 wire inside the shack when I changed bands.

We are planning to plant trees along the back and sides of the property line. Probably flowering trees -- dogwoods, Japanese cherries, and hollies.

Thanks again.

--- In ham-antennas@yahoogroups.com, "john_tartar" <john_tartar@...> wrote:
>
> "The Wireman" sells a 26 guage stranded copperweld. It's pretty
> tough. I have one end tied to a tree that blows around a lot in the
> wind. It's very small and nearly invisible. I just wish it came in
> white (rather than black) then it really would be invisible. The
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> With your installation, all the supports are fixed, so the wind sway
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> tress from a nursery, for a $50 to $200 depending on the size.
> Fertilize & water them well and pray. I started using mine as
> antenna supports, only 3 years after they were planted.
>
> --- In ham-antennas@yahoogroups.com, "lecontejoe" <joe@> wrote:
> >
> > Back in the day, back when I lived on property with trees, I put

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> > 135-foot long wire dipole, fed with ladder line, tuned with a
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> > After a few years of adventures and 28 moves (military service) --

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> > place from which we will not leave. Problem is -- there's not a
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> > antennas onto).
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> > something on the roof, then, run the other leg of the wire out to
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> > storage shed. This will result in a dipole that's fairly
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> > but viewed from above will be a slight V with center angle of
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> > 160 degrees.
> >
> > At the house I should be able to keep the wire 24-25 feet off the
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> > roof puts the top of the roof 15 feet above the ceiling --
> 3+9+15=27
> > feet to the peak of the roof). I can get only 20 feet at the
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> > and 16-18 feet at best at the shed (unless I stick up a pole on
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> > shed to give me 25 or so feet).
> >

> > Homeowner's association covenants do not restrict antennas. In
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> > some folks have old TV antennas but I am concerned that I'll push
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> > envelope with a dipole, tribander, and VHF and UHF Yagis.
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> > pipe. Secure the PVC to a rafter with a U-bolt. Beneath the
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> > antennas as low profile as possible.
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>

4162. Rig cutting off when I transmit on SSB - Update

Yahoo group: ham-antennas (2008)
Date: 2008-02-17 17:13:45 UTC
From: Jonathan Helis KB5IAV
Topic: 4162 Message: 4162

I previously started a thread here regarding how my rig would cut off when I was transmitting through my half wave open loop antenna. I tried grounding everything in the shack, cutting the twinlead length, putting a counterpoise on the tuner, and still no luck. I also put RF beads on the coaxes and power cables but it didn't help. A new power cable between the Astron RS20A power supply and the rig didn't help either.

I bought a dry dummy load last week and connected it up to my rig using an open connector on the antenna switch. The rig exhibited the same "cutting out" behavior. I checked my field strength meter and it registered no RF in the shack. Now I know it's probably not an RF in the shack issue. The only strange thing I noticed was the RF bead on the power lead seemed to vibrate when I was transmitting.

Since I've eliminated RF in the shack as being the reason for this, I need some ideas on where to look for trouble next, power supply or rig? Any suggesions?

Thanks for the help everyone here has been giving me to solve this problem.

--
73,

Jonathan Helis, KB5IAV
Baton Rouge, Louisiana, USA

4163. Re: [ham-antennas] Rig cutting off when I transmit on SSB - Update

Yahoo group: ham-antennas (2008)
Date: 2008-02-17 17:21:16 UTC
From: Commander John
Topic: 4162 Message: 4163

Suggest you try a car battery to eliminate the power supply.

john w9zy

Jonathan Helis KB5IAV <kb5iav@...> wrote:
I previously started a thread here regarding how my rig would cut off when I was transmitting through my half wave open loop antenna. I tried grounding everything in the shack, cutting the twinlead length, putting a counterpoise on the tuner, and still no luck. I also put RF beads on the coaxes and power cables but it didn't help. A new power cable between the Astron RS20A power supply and the rig didn't help either.

I

[Non-text portions of this message have been removed]

4164. Re: [ham-antennas] Rig cutting off when I transmit on SSB - Update

Yahoo group: ham-antennas (2008)
Date: 2008-02-17 18:04:47 UTC
From: danny garvin
Topic: 4162 Message: 4164

Have you tried monitoring the voltage from you power supply while you transmit?

----- Original Message ----
From: Jonathan Helis KB5IAV <kb5iav@...>
To: Ham Antennas Groups <ham-antennas@yahoogroups.com>
Sent: Sunday, February 17, 2008 11:13:45 AM
Subject: [ham-antennas] Rig cutting off when I transmit on SSB - Update

I previously started a thread here regarding how my rig would cut off when I was transmitting through my half wave open loop antenna. I tried grounding everything in the shack, cutting the twinlead length, putting a counterpoise on the tuner, and still no luck. I also put RF beads on the coaxes and power cables but it didn't help. A new power cable between the Astron RS20A power supply and the rig didn't help either.

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--
73,

Jonathan Helis, KB5IAV
Baton Rouge, Louisiana, USA

[Non-text portions of this message have been removed]

4165. Re: Suggestions welcome re: all-band dipole

Yahoo group: ham-antennas (2008)
Date: 2008-02-17 18:06:02 UTC
From: Brian Hall
Topic: 4159 Message: 4165

--- In ham-antennas@yahoogroups.com, "lecontejoe" <joe@...> wrote:
>
> Back in the day, back when I lived on property with trees, I put
up a
> 135-foot long wire dipole, fed with ladder line, tuned with a
Johnson
> Matchbox. Used it on 80 and 40, ran a tribander for 20-15-10.
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> At the house I should be able to keep the wire 24-25 feet off the
> ground (house has 3 foot crawl space, 9 foot ceilings, 6/12 pitch
> roof puts the top of the roof 15 feet above the ceiling --
3+9+15=27
> feet to the peak of the roof). I can get only 20 feet at the

garage
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> pipe. Secure the PVC to a rafter with a U-bolt. Beneath the PVC,
> secure a piece of doubled 3/4-inch plywood to several ceiling
joists;
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> put a tri-bander on one mast, VHF and UHF Yagis on the other.
Masts
> will be long enough to clear top of garage roof while keeping the
> antennas as low profile as possible.
>

My 2 cents:

Unless you are planning to support the center insulator, the weight
of a 135' flattop is considerable. My preference to balance stealth
and longevity in this situation w/ be 16ga copperweld. I once had an
inverted- vee constructed from some 14ga hard-drawn copper that was
insulated w/ a light-gray insulation...it was darn near invibible
except for the insulators.

Also, if I were building a place from scratch and expected to stay
there for the foreseeable future, I'd plant some fast-growing trees
in a couple strategic locations for future use as antenna supports..

Brian AC7NA

4166. Re: [ham-antennas] Rig cutting off when I transmit on SSB - Update

Yahoo group: ham-antennas (2008)
Date: 2008-02-17 19:50:08 UTC
From: Bill
Topic: 4162 Message: 4166

As has been suggested to you before by others here on the Group....(I think it was this Group)
" Try hooking your rig to a Battery for the power Source an see if that helps your problem "
Have you tried this approach yet ???
I know it might be a pain to get the car or truck battery in the shack there But it won't cost you anything an may help resolve your problem...Remember though, never sit a vehicle battery on the concrete floor because I have heard that it will kill the battery....
Good luck and 73's

Bill
kc8ilp

Also maybe try plugging the power supply into another Wall outlet...Maybe something wrong with the one it is plugged into now...It's a long shot but an easy try.....
I could be wrong But, I believe if a rig isn't getting enough power it will do the same type things that you are describing..The Rig does not Draw as much power (amps) in receive as it does on transmit even at 5 watts....most rigs (I think) will receive just fine on a little less than the recommended voltage. But as soon as you key the Mike. If the minimum recommended voltage isn't there it isn't going to Transmit and there may be problems such as you are describing. I'd be concentrating on that power supply....But I'm just guessing....

Jonathan Helis KB5IAV <kb5iav@...> wrote:
I previously started a thread here regarding how my rig would cut off
when I was transmitting through my half wave open loop antenna. I tried
grounding everything in the shack, cutting the twinlead length, putting
a counterpoise on the tuner, and still no luck. I also put RF beads on
the coaxes and power cables but it didn't help. A new power cable
between the Astron RS20A power supply and the rig didn't help either.

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an open connector on the antenna switch. The rig exhibited the same
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registered no RF in the shack. Now I know it's probably not an RF in
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the power lead seemed to vibrate when I was transmitting.

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need some ideas on where to look for trouble next, power supply or rig?
Any suggesions?

Thanks for the help everyone here has been giving me to solve this problem.

--
73,

Jonathan Helis, KB5IAV
Baton Rouge, Louisiana, USA

[Non-text portions of this message have been removed]

4167. stealth antenna

Yahoo group: ham-antennas (2008)
Date: 2008-02-18 03:12:30 UTC
From: ve3diz
Topic: 4167 Message: 4167

I live in a 3rd story apartment and want to run a random wire antenna to a tree about 30 feet from my apartment. To help hide it I thought about using either 26 or 30 awg magnet wire. I'm running 100 watts using an sgc230 auto tuner. Would 26 or 30 awg wire be too thin to use or would it work?
Matt, VE3DIZ

4168. Re: [ham-antennas] Rig cutting off when I transmit on SSB - Update

Yahoo group: ham-antennas (2008)
Date: 2008-02-18 03:16:15 UTC
From: Todd Chase
Topic: 4162 Message: 4168

I agree, I've experienced the same problem and turns out it was my power supply not supplying enough amps on the peaks. I upgraded the supply and problem solved.
Good luck,
Todd
N3VMD
73

----- Original Message ----
From: danny garvin <grailknight_2@...>
To: ham-antennas@yahoogroups.com
Sent: Sunday, February 17, 2008 1:04:47 PM
Subject: Re: [ham-antennas] Rig cutting off when I transmit on SSB - Update

Have you tried monitoring the voltage from you power supply while you transmit?

----- Original Message ----

From: Jonathan Helis KB5IAV <kb5iav@arrl. net>

To: Ham Antennas Groups <ham-antennas@ yahoogroups. com>

Sent: Sunday, February 17, 2008 11:13:45 AM

Subject: [ham-antennas] Rig cutting off when I transmit on SSB - Update

I previously started a thread here regarding how my rig would cut off

when I was transmitting through my half wave open loop antenna. I tried

grounding everything in the shack, cutting the twinlead length, putting

a counterpoise on the tuner, and still no luck. I also put RF beads on

the coaxes and power cables but it didn't help. A new power cable

between the Astron RS20A power supply and the rig didn't help either.

I bought a dry dummy load last week and connected it up to my rig using

an open connector on the antenna switch. The rig exhibited the same

"cutting out" behavior. I checked my field strength meter and it

registered no RF in the shack. Now I know it's probably not an RF in

the shack issue. The only strange thing I noticed was the RF bead on

the power lead seemed to vibrate when I was transmitting.

Since I've eliminated RF in the shack as being the reason for this, I

need some ideas on where to look for trouble next, power supply or rig?

Any suggesions?

Thanks for the help everyone here has been giving me to solve this problem.

--

73,

Jonathan Helis, KB5IAV

Baton Rouge, Louisiana, USA

[Non-text portions of this message have been removed]


```
<!--

#ygrp-mkp{
border:1px solid #d8d8d8;font-family:Arial;margin:14px 0px;padding:0px 14px;}
#ygrp-mkp hr{
border:1px solid #d8d8d8;}
#ygrp-mkp #hd{
color:#628c2a;font-size:85%;font-weight:bold;line-height:122%;margin:10px 0px;}
#ygrp-mkp #ads{
margin-bottom:10px;}
#ygrp-mkp .ad{
padding:0 0;}
#ygrp-mkp .ad a{
color:#0000ff;text-decoration:none;}
-->

<!--

#ygrp-sponsor #ygrp-lc{
font-family:Arial;}
#ygrp-sponsor #ygrp-lc #hd{
margin:10px 0px;font-weight:bold;font-size:78%;line-height:122%;}
#ygrp-sponsor #ygrp-lc .ad{
margin-bottom:10px;padding:0 0;}
-->

<!--

#ygrp-mlmsg {font-size:13px;font-family:arial, helvetica, clean, sans-serif;}
#ygrp-mlmsg table {font-size:inherit;font:100%;}
#ygrp-mlmsg select, input, textarea {font:99% arial, helvetica, clean, sans-serif;}
#ygrp-mlmsg pre, code {font:115% monospace;}
#ygrp-mlmsg * {line-height:1.22em;}
#ygrp-text{
font-family:Georgia;
}
#ygrp-text p{
margin:0 0 1em 0;}
```

```
#ygrp-tpmsgs{
font-family:Arial;
clear:both;}
#ygrp-vitnav{
padding-top:10px;font-family:Verdana;font-size:77%;margin:0;}
#ygrp-vitnav a{
padding:0 1px;}
#ygrp-actbar{
clear:both;margin:25px 0;white-space:nowrap;color:#666;text-align:right;}
#ygrp-actbar .left{
float:left;white-space:nowrap;}
.bld{font-weight:bold;}
#ygrp-grft{
font-family:Verdana;font-size:77%;padding:15px 0;}
#ygrp-ft{
font-family:verdana;font-size:77%;border-top:1px solid #666;
padding:5px 0;
}
#ygrp-mlmsg #logo{
padding-bottom:10px;}

#ygrp-vital{
background-color:#e0ecee;margin-bottom:20px;padding:2px 0 8px 8px;}
#ygrp-vital #vithd{
font-size:77%;font-family:Verdana;font-weight:bold;color:#333;text-transform:uppercase;}
#ygrp-vital ul{
padding:0;margin:2px 0;}
#ygrp-vital ul li{
list-style-type:none;clear:both;border:1px solid #e0ecee;
}
#ygrp-vital ul li .ct{
font-weight:bold;color:#ff7900;float:right;width:2em;text-align:right;padding-right:.5em;}
#ygrp-vital ul li .cat{
font-weight:bold;}
#ygrp-vital a{
text-decoration:none;}

#ygrp-vital a:hover{
text-decoration:underline;}

#ygrp-sponsor #hd{
color:#999;font-size:77%;}
#ygrp-sponsor #ov{
padding:6px 13px;background-color:#e0ecee;margin-bottom:20px;}
#ygrp-sponsor #ov ul{
padding:0 0 0 8px;margin:0;}
#ygrp-sponsor #ov li{
list-style-type:square;padding:6px 0;font-size:77%;}
#ygrp-sponsor #ov li a{
text-decoration:none;font-size:130%;}
#ygrp-sponsor #nc{
```

```
background-color:#eee;margin-bottom:20px;padding:0 8px;}
#ygrp-sponsor .ad{
padding:8px 0;}
#ygrp-sponsor .ad #hd1{
font-family:Arial;font-weight:bold;color:#628c2a;font-size:100%;line-height:122%;}
#ygrp-sponsor .ad a{
text-decoration:none;}
#ygrp-sponsor .ad a:hover{
text-decoration:underline;}
#ygrp-sponsor .ad p{
margin:0;}
o{font-size:0;}
.MsoNormal{
margin:0 0 0 0;}
#ygrp-text tt{
font-size:120%;}
blockquote{margin:0 0 0 4px;}
.replbq{margin:4;}
-->
```

Looking for last minute shopping deals?
Find them fast with Yahoo! Search.
http://tools.search.yahoo.com/newsearch/category.php?category=shopping

[Non-text portions of this message have been removed]

4169. Re: [ham-antennas] stealth antenna

Yahoo group: ham-antennas (2008)
Date: 2008-02-18 06:50:19 UTC
From: Dave Oldridge
Topic: 4167 Message: 4169

On 18 Feb 2008 at 3:12, ve3diz wrote:

> I live in a 3rd story apartment and want to run a random wire
> antenna to a tree about 30 feet from my apartment. To help hide
> it I thought about using either 26 or 30 awg magnet wire. I'm
> running 100 watts using an sgc230 auto tuner. Would 26 or 30 awg
> wire be too thin to use or would it work?

The biggest problem with such antennas is that they tend to usd
the building and its internal wiring as counterpoise. If I were
doing this, I'd look for places to run two equal length wires and
feed them to a tuner's balanced outout with twinlead. If you can
run the wires at least 30 degrees from each other, they should
radiate fairly well and keep most of the RF energy outside.

--

Dave Oldridge
ICQ 1800667
VA7CZ

4170. RE: [ham-antennas] stealth antenna

Yahoo group: ham-antennas (2008)
Date: 2008-02-18 12:07:00 UTC
From: Callum M0MCX
Topic: 4167 Message: 4170

Matt,

I have used a very small wire and it will work. I used tiny plastic covered alloy garden twine. It comes in 100m rolls for about £5 in garden shops in the UK. I☐m unsure of all the physics though. Bandwidth is almost irrelevant do to the SG230 (which I have also used with this) as I☐m sure it will have a bandwidth greater than your audio(!).

What about your ground? The SG230 needs a ground bigger than the antenna otherwise your could get all sorts of funnies ☐ including getting burned by the back of the microphone (yes, it happened to me) so perhaps instead of running one wire out, do you fancy going out.. then coming back and turning it into a closed loop?

Just go for it :)

Callum McCormick

http://www.m0mcx.co.uk/

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of ve3diz
Sent: 18 February 2008 03:13
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] stealth antenna

I live in a 3rd story apartment and want to run a random wire antenna to a tree about 30 feet from my apartment. To help hide it I thought about using either 26 or 30 awg magnet wire. I'm running 100 watts using an sgc230 auto tuner. Would 26 or 30 awg wire be too thin to use or would it work?
Matt, VE3DIZ

[Non-text portions of this message have been removed]

4171. Re: stealth antenna

Yahoo group: ham-antennas (2008)
Date: 2008-02-18 14:32:26 UTC
From: ve3diz
Topic: 4167 Message: 4171

Would it be better to have the loop vertical or horizontal? Also, is bigger better? I ask for the reason that if I do it vertical it will be in a square about 30 feet high by 10 feet wide. If I do it horizontal, first I'm gonna have to figure out how to get it into the trees. But if done, it would be in a triangle shape about 50 feet out, 50 feet across and 65 feet back.
Matt, VE3DIZ

--- In ham-antennas@yahoogroups.com, "Callum M0MCX" <callum@...> wrote:
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> Matt,
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> I have used a very small wire and it will work. I used tiny plastic covered
> alloy garden twine. It comes in 100m rolls for about £5 in garden shops in
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> it into a closed loop?
>
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> Just go for it :)
>
>
>
> Callum McCormick
>
> http://www.m0mcx.co.uk/

>
>
>
> From: ham-antennas@yahoogroups.com
[mailto:ham-antennas@yahoogroups.com] On
> Behalf Of ve3diz
> Sent: 18 February 2008 03:13
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] stealth antenna
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> I live in a 3rd story apartment and want to run a random wire antenna
> to a tree about 30 feet from my apartment. To help hide it I thought
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> using an sgc230 auto tuner. Would 26 or 30 awg wire be too thin to use
> or would it work?
> Matt, VE3DIZ
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> [Non-text portions of this message have been removed]
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4172. Long-wire in a tree.....

Yahoo group: ham-antennas (2008)
Date: 2008-02-18 15:11:19 UTC
From: Rob Thomson
Topic: 4172 Message: 4172

I am going to install a 140ft long inverted-L long wire (Marconi) with a homebrew remote tuner at the base.

I was considering putting the vertical section inside a 30ft fibre-glass pole and running it up the trunk of a 20ft pine tree that I have. This would have several advantages:

1. It is a ready made support - higher than anything that I would want to errect
2. Concealment
3. Hides the wire and prevents RF burns to my 2 toddlers
4. The base of the pine is almost waterproof already, making the sealing of the tuner and ground plane wires much less of an issue

The obvious question is what effect will the tree have on the antenna?

All advice welcome

Rob, G4LMW

4173. RE: [ham-antennas] Long-wire in a tree.....

Yahoo group: ham-antennas (2008)
Date: 2008-02-18 15:21:55 UTC
From: Mike Besemer (WM4B)
Topic: 4172 Message: 4173

Rob,

I have nothing specific to offer, other than being able to report that I have a very similar installation here and it works great!

Mike

WM4B

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Rob Thomson
Sent: Monday, February 18, 2008 10:11 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Long-wire in a tree.....

I am going to install a 140ft long inverted-L long wire (Marconi) with a homebrew remote tuner at the base.

I was considering putting the vertical section inside a 30ft fibre-glass pole and running it up the trunk of a 20ft pine tree that I have. This would have several advantages:

1. It is a ready made support - higher than anything that I would want to errect
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The obvious question is what effect will the tree have on the antenna?

All advice welcome

Rob, G4LMW

[Non-text portions of this message have been removed]

4174. RE: [ham-antennas] Re: stealth antenna

Yahoo group: ham-antennas (2008)
Date: 2008-02-18 16:27:45 UTC
From: Callum M0MCX
Topic: 4167 Message: 4174

Matt,

The vertical 30 x 10 isn☐t so good as the horizontal 50 x 50 x 65 which would be fantastic from 80m upwards (with an SG230 certainly).

Without going too deep, they would both actually radiate but in different ways and would tend to have peculiarities depending on the band however I would personally go with the horizontal. I☐m really quite jealous!

You might like to put a couple of springs fixed to the structure so that in the event the trees moved in the wind etc, you would get some ☐give☐ in the springs?

Shame you have to make this a stealth ☐ I would like to see this in a FlexWeave or heavier-duty wire ☐ but only for the durability. Certainly this would work damned well!

How high up would the 50 x 50 x 65 be?

Callum McCormick

http://www.m0mcx.co.uk/

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of ve3diz
Sent: 18 February 2008 14:32
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: stealth antenna

Would it be better to have the loop vertical or horizontal? Also, is bigger better? I ask for the reason that if I do it vertical it will be in a square about 30 feet high by 10 feet wide. If I do it horizontal, first I'm gonna have to figure out how to get it into the trees. But if done, it would be in a triangle shape about 50 feet out, 50 feet across and 65 feet back.
Matt, VE3DIZ

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> a bandwidth greater than your audio(!).
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> otherwise your could get all sorts of funnies ☐ including getting
burned by
> the back of the microphone (yes, it happened to me) so perhaps
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> it into a closed loop?
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> Just go for it :)
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> Callum McCormick
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> http://www.m0mcx.co.uk/
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> From: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>

[mailto:ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
] On
> Behalf Of ve3diz
> Sent: 18 February 2008 03:13
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Subject: [ham-antennas] stealth antenna
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> or would it work?
> Matt, VE3DIZ
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> [Non-text portions of this message have been removed]
>

[Non-text portions of this message have been removed]

4175. Is canal / lake water transparent to RF?

Yahoo group: ham-antennas (2008)
Date: 2008-02-18 16:30:31 UTC
From: Callum M0MCX
Topic: 4175 Message: 4175

James kindly modelled my vertical for the boat recently and mentioned that the canal water surrounding my boat would basically be transparent to RF because it's not salt water.

I suggested to him that we'd discuss this topic here.

Is he right?

Callum McCormick

<http://www.m0mcx.co.uk/> http://www.m0mcx.co.uk/

[Non-text portions of this message have been removed]

4176. Re: [ham-antennas] stealth antenna

Yahoo group: ham-antennas (2008)
Date: 2008-02-18 16:35:30 UTC
From: Chris
Topic: 4167 Message: 4176

By coincidence, this month's QST magazine has pictures of how a guy strung a horizontal loop using 'stealth' wire into his SGC-237 on the inside of his shack.

I agree, you would be best served to go with a loop for reasons of having it balanced for one, and the noise reduction features of a loop as well.

Make it as large a loop as you can, preferrably a full wavelength on the lowest band you want it to work well on. Shape isn't particularly critical, the object is to have as much area enclosed by the loop as close to a circle as possible. Symmetry helps with the performance, but it isn't the end of the world if you are in a compromise situation.

Even 20' high will work quite well for you as well, you won't be the biggest contest signal on the band...but if you wanted that, you would have bought acreage on top of a mountain somewhere. ;-)

On Feb 17, 2008 10:12 PM, ve3diz <va3va3va3@...> wrote:
> I live in a 3rd story apartment and want to run a random wire antenna
> to a tree about 30 feet from my apartment. To help hide it I thought
> about using either 26 or 30 awg magnet wire. I'm running 100 watts
> using an sgc230 auto tuner. Would 26 or 30 awg wire be too thin to use
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> Matt, VE3DIZ
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>
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 974 members (as of 11/07/07, and attachments are NOT permitted.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
>
> Yahoo! Groups Links
>
>
>
>

4177. Re: stealth antenna

Yahoo group: ham-antennas (2008)
Date: 2008-02-18 17:00:25 UTC
From: ve3diz
Topic: 4167 Message: 4177

The antenna would be between 30 to 40 feet high. There's a 4th tree that I would love to add to the loop that is in between the other 2 trees about 30 feet behind them to make it into a diamond shape but unfortunately it's on the other side of the power lines! It would be below the power lines by about 20 feet but still too close for comfort!
Matt, VE3DIZ

--- In ham-antennas@yahoogroups.com, "Callum M0MCX" <callum@...> wrote:
>
> Matt,
>
>
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> The vertical 30 x 10 isn't so good as the horizontal 50 x 50 x 65 which
> would be fantastic from 80m upwards (with an SG230 certainly).
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> Without going too deep, they would both actually radiate but in different
> ways and would tend to have peculiarities depending on the band however I
> would personally go with the horizontal. I'm really quite jealous!
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> You might like to put a couple of springs fixed to the structure so that in
> the event the trees moved in the wind etc, you would get some "give" in the
> springs?
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> Shame you have to make this a stealth ☐ I would like to see this in a
> FlexWeave or heavier-duty wire ☐ but only for the durability. Certainly this
> would work damned well!
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> How high up would the 50 x 50 x 65 be?
>
>

>
> Callum McCormick
>
> http://www.m0mcx.co.uk/
>
>
>
> From: ham-antennas@yahoogroups.com
[mailto:ham-antennas@yahoogroups.com] On
> Behalf Of ve3diz
> Sent: 18 February 2008 14:32
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] Re: stealth antenna
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> Would it be better to have the loop vertical or horizontal? Also, is
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> > Matt,
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> > What about your ground? The SG230 needs a ground bigger than the
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> > Just go for it :)
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> >
> > From: ham-antennas@yahoogroups.com
<mailto:ham-antennas%40yahoogroups.com>
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> [mailto:ham-antennas@yahoogroups.com
<mailto:ham-antennas%40yahoogroups.com>
>] On
> > Behalf Of ve3diz
> > Sent: 18 February 2008 03:13
> > To: ham-antennas@yahoogroups.com
<mailto:ham-antennas%40yahoogroups.com>
> > Subject: [ham-antennas] stealth antenna
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> [Non-text portions of this message have been removed]
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4178. Re: Long-wire in a tree.....

Yahoo group: ham-antennas (2008)
Date: 2008-02-18 18:14:40 UTC
From: gadzooks.mike
Topic: 4172 Message: 4178

Someone did a study that I read on the Internet. Unfortunately, I can't find it again. Bottom line was that trees don't do much at all for or to antennas.

--- In ham-antennas@yahoogroups.com, "Rob Thomson" <G4LMW@...> wrote:
>
>
> I am going to install a 140ft long inverted-L long wire (Marconi) with
> a homebrew remote tuner at the base.
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> I was considering putting the vertical section inside a 30ft fibre-
> glass pole and running it up the trunk of a 20ft pine tree that I have.
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> sealing of the tuner and ground plane wires much less of an issue
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> The obvious question is what effect will the tree have on the antenna?
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> All advice welcome
>
> Rob, G4LMW
>

4179. RE: [ham-antennas] Re: stealth antenna

Yahoo group: ham-antennas (2008)
Date: 2008-02-18 18:30:55 UTC
From: Callum M0MCX
Topic: 4167 Message: 4179

Allow me to model this: 50 x 50 x 65 feet (nearly 50 meters) at 40 feet sloping to 30. Hang on....

Callum McCormick

http://www.m0mcx.co.uk/

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of ve3diz
Sent: 18 February 2008 17:00
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: stealth antenna

The antenna would be between 30 to 40 feet high. There's a 4th tree that I would love to add to the loop that is in between the other 2 trees about 30 feet behind them to make it into a diamond shape but unfortunately it's on the other side of the power lines! It would be below the power lines by about 20 feet but still too close for comfort!
Matt, VE3DIZ

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>
>
> From: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>

[mailto:ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
] On
> Behalf Of ve3diz
> Sent: 18 February 2008 14:32
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Subject: [ham-antennas] Re: stealth antenna
>
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> Would it be better to have the loop vertical or horizontal? Also, is
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> 50 feet across and 65 feet back.
> Matt, VE3DIZ
>
> --- In ham-antennas@yahoogroups.com
<mailto:ham-antennas%40yahoogroups.com>
<mailto:ham-antennas%40yahoogroups.com>
> , "Callum M0MCX" <callum@> wrote:
> >
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> > Callum McCormick
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> > http://www.m0mcx.co.uk/
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> > Sent: 18 February 2008 03:13
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4180. Re: [ham-antennas] Re: Long-wire in a tree.....

Yahoo group: ham-antennas (2008)
Date: 2008-02-18 18:37:27 UTC
From: W8OKN
Topic: 4172 Message: 4180

There was an article in QST that addressed it. If you are really close to a tree or large branch, it can have an effect. Otherwise, it has effect, but certainly not like a steel or copper tube of the same size.
--
From the desk of W8OKN, northern Michigan

---- "gadzooks.mike" <gadzooks.mike@...> wrote:

==========
Someone did a study that I read on the Internet. Unfortunately, I
can't find it again. Bottom line was that trees don't do much at all
for or to antennas.

--- In ham-antennas@yahoogroups.com, "Rob Thomson" <G4LMW@...> wrote:
>
>
> I am going to install a 140ft long inverted-L long wire (Marconi)
with
> a homebrew remote tuner at the base.
>
> I was considering putting the vertical section inside a 30ft fibre-
> glass pole and running it up the trunk of a 20ft pine tree that I
have.
> This would have several advantages:
>
> 1. It is a ready made support - higher than anything that I would
want
> to errect
> 2. Concealment
> 3. Hides the wire and prevents RF burns to my 2 toddlers
> 4. The base of the pine is almost waterproof already, making the
> sealing of the tuner and ground plane wires much less of an issue
>
> The obvious question is what effect will the tree have on the
antenna?
>
> All advice welcome
>
> Rob, G4LMW
>

4181. RE: [ham-antennas] Re: stealth antenna

Yahoo group: ham-antennas (2008)
Date: 2008-02-18 18:40:31 UTC
From: Callum M0MCX
Topic: 4167 Message: 4181

Matt,

Because it□s more than a half wave on 80m, it will work there quite well, actually a first class cloud burner on both 80m and 40m then it starts to develop some interesting lobes from 20m right up to 10m.

I□ll ship you the file. Download MMANA to have a play with it.

Callum.

Callum McCormick

http://www.m0mcx.co.uk/

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Callum M0MCX
Sent: 18 February 2008 18:31
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Re: stealth antenna

Allow me to model this: 50 x 50 x 65 feet (nearly 50 meters) at 40 feet sloping to 30. Hang on....

Callum McCormick

http://www.m0mcx.co.uk/

From: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com> [mailto:ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>] On Behalf Of ve3diz
Sent: 18 February 2008 17:00
To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
Subject: [ham-antennas] Re: stealth antenna

The antenna would be between 30 to 40 feet high. There's a 4th tree that I would love to add to the loop that is in between the other 2 trees about 30 feet behind them to make it into a diamond shape but unfortunately it's on the other side of the power lines! It would be below the power lines by about 20 feet but still too close for comfort!
Matt, VE3DIZ

--- In ham-antennas@...m <mailto:ham-antennas%40yahoogroups.com> <mailto:ham-antennas%40yahoogroups.com> , "Callum M0MCX" <callum@...> wrote:
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> Matt,
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> The vertical 30 x 10 isn't so good as the horizontal 50 x 50 x 65 which
> would be fantastic from 80m upwards (with an SG230 certainly).
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> Without going too deep, they would both actually radiate but in
different
> ways and would tend to have peculiarities depending on the band
however I
> would personally go with the horizontal. I'm really quite jealous!
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> You might like to put a couple of springs fixed to the structure so
that in
> the event the trees moved in the wind etc, you would get some "give"
in the
> springs?
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> Shame you have to make this a stealth □ I would like to see this in a
> FlexWeave or heavier-duty wire □ but only for the durability.
Certainly this
> would work damned well!
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> How high up would the 50 x 50 x 65 be?
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> > Just go for it :)
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4182. RE: [ham-antennas] Re: stealth antenna

Yahoo group: ham-antennas (2008)
Date: 2008-02-18 18:52:27 UTC
From: Callum M0MCX
Topic: 4167 Message: 4182

PDF and MMANA file sent...

Callum McCormick

http://www.m0mcx.co.uk/

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@...m] On
Behalf Of Callum M0MCX
Sent: 18 February 2008 18:31
To: ham-antennas@yahoogroups.com
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4183. Re: 40m vertical radials

Yahoo group: ham-antennas (2008)
Date: 2008-02-18 19:38:24 UTC
From: w2nsf
Topic: 4136 Message: 4183

Aadu,
I would put the antenna in the middle of your garden, use equal length radials (I'm assuming
you're going to bury them) spaced evenly around, and then bend (as needed) any radials that
won't quite fit. Just make sure you don't overlap any radials when you are laying out the bent
ones. If you put the antenna in the corner, you will wind up with a strange radiation pattern,
and you don't know whether your neighbor has metal pipes, etc. just over the wall that may
detune your antenna. Good luck! 73, Jim

4184. Re: [ham-antennas] Re: 40m vertical radials

Yahoo group: ham-antennas (2008)
Date: 2008-02-18 20:02:33 UTC
From: Mark, KJ7BS
Topic: 4136 Message: 4184

Remember, when ground mounting a vertical it is not necessary to make the radials resonate at any frequency. It is more important to have more radials at least 1/8 wavelenght at the lowest frequency than to have resonate radials (opposite of above ground mounted radials). The purpose of radials in a ground mounted vertical is capacitave coupling to actual ground which is the second half of your antenna.
--
Mark, KJ7BS
Glendale, AZ
Editor, The SKCC Centurion
Elecraft K2 S/N 0539
Fists # 2972 CC 1806
SKCC # 2240 C56 T20
MQFD # 128
QRP-ARCI # 12647
AZ ScQRPions
COGRC Emergency Communications

---- w2nsf <schulstrasse23@...> wrote:

==========
Aadu,
I would put the antenna in the middle of your garden, use equal length radials (I'm assuming
you're going to bury them) spaced evenly around, and then bend (as needed) any radials that won't quite fit. Just make sure you don't overlap any radials when you are laying out the bent
ones. If you put the antenna in the corner, you will wind up with a strange radiation pattern,
and you don't know whether your neighbor has metal pipes, etc. just over the wall that may detune your antenna. Good luck! 73, Jim

4185. Re: Rig cutting off when I transmit on SSB - Update

Yahoo group: ham-antennas (2008)
Date: 2008-02-18 23:44:40 UTC
From: Jonathan Helis KB5IAV
Topic: 4162 Message: 4185

> 2d. Re: Rig cutting off when I transmit on SSB - Update
> Posted by: "Bill" daytonohio@... wwillie12345
> Date: Sun Feb 17, 2008 11:50 am ((PST))
>
> As has been suggested to you before by others here on the Group....(I think it was this Group)
> " Try hooking your rig to a Battery for the power Source an see if that helps your problem "
> Have you tried this approach yet ???
> I know it might be a pain to get the car or truck battery in the shack there But it won't cost you anything an may help resolve your problem...Remember though, never sit a vehicle battery on the concrete floor because I have heard that it will kill the battery....
> Good luck and 73's
>
> Bill
> kc8ilp
>
> Also maybe try plugging the power supply into another Wall outlet...Maybe something wrong with the one it is plugged into now...It's a long shot but an easy try.....
> I could be wrong But, I believe if a rig isn't getting enough power it will do the same type things that you are describing..The Rig does not Draw as much power (amps) in receive as it does on transmit even at 5 watts....most rigs (I think) will receive just fine on a little less than the recommended voltage. But as soon as you key the Mike. If the minimum recommended voltage isn't there it isn't going to Transmit and there may be problems such as you are describing. I'd be concentrating on that power supply....But I'm just guessing....

I haven't tried the car battery yet, but I did try 2 other wall outlets in the same room, and it didn't help.

I'm thinking power supply too, but again still not sure. I was able to recreate the problem by loosening and tightening the connector going into the rig while transmitting into the dummy load. I'm thinking power is shutting down from the power supply. Fixing this is going to be in the back burner for a little while, since I just spent $500 getting my car fixed.

Thanks for the help.

--
73,

Jonathan Helis, KB5IAV
Baton Rouge, Louisiana, USA

4186. Re: Rig cutting off when I transmit on SSB - Update

Yahoo group: ham-antennas (2008)
Date: 2008-02-18 23:48:07 UTC
From: Jonathan Helis KB5IAV
Topic: 4162 Message: 4186

> 2e. Re: Rig cutting off when I transmit on SSB - Update
> Posted by: "Todd Chase" thunder_21136@... thunder_21136
> Date: Sun Feb 17, 2008 7:16 pm ((PST))
>
> I agree, I've experienced the same problem and turns out it was my power supply not supplying enough amps on the peaks. I upgraded the supply and problem solved.
> Good luck,
> Todd
> N3VMD
> 73

I'm coming to the conclusion it's a power supply issue as well, based on some tests I've made and others' comments. I might pull the multimeter out and see what the power supply does on transmit, maybe that will tell me.

--
73,

Jonathan Helis, KB5IAV
Baton Rouge, Louisiana, USA

4187. Re: How to deal G5RV's laddar line to coax cable through a balun

Yahoo group: ham-antennas (2008)
Date: 2008-02-19 04:31:10 UTC
From: xperts88
Topic: 4044 Message: 4187

Hi Dave, Thanks for your adivice.
I understand. I made one more G5RV with a RG58AU balun
between the antenna and a tuner avoiding RF back.
Thank you 73 Tim,

>
> On 13 Feb 2008 at 20:47, Karl Moll wrote:
>
> > NO! The length of the ladder line is critical and must be 31 ft
> > for a
> > full sized G5RV. It's an active part of the antenna. You can
> > roll it up,
> > but don't cut it.
>
> Unless, of course, you simpy run it into a tuner with a balanced
> output, in which case the length isn´t critical at all. Strictly
> speaking it´s a matching stub, not a radiating element.
>
>
>
> --
>
> Dave Oldridge
> ICQ 1800667
> VA7CZ
>

4188. Looking for stealth copper line and clad three to six paraller lines

Yahoo group: ham-antennas (2008)
Date: 2008-02-19 04:50:24 UTC
From: xperts88
Topic: 4188 Message: 4188

Hi all,I'm Tim again,
I am looking for an antiweatherable thin strong stranded (not steel wire)copper wire about #16 to 20AWG for another long but stealth wire antenna.
Could anyone recommend me some wires?

Also would like to have three or five to six paraller lines coated together about #16 to 20AWG around.I used a paraller lines for PC to make antenna and radials for backpaking mobile.It was cut and I think PC paraller lines are not repeatable or reliable for a trip.
Could you show me some shops or firms?
73/88 Tim, AH2E

4189. Adding a wire Reflector element to a 80m orizzontal wire Dipole

Yahoo group: ham-antennas (2008)
Date: 2008-02-19 13:08:42 UTC
From: Massimiliano DP
Topic: 4189 Message: 4189

antennas-hamDear colleagues, I am a neo-radioamateur.
Sorry for my broken English.

I was thinking about adding a Reflector element to my simple 80m wire Dipole to convert it to a 2 elements yagi.

The present dipole arms are 18.8 meters each (61.67 feet each), the wire section is 1.5mm (0.06 inches section) + plastic shield.

It is now perfectly tuned on 3.790 MHz, SWR 1:1

It has a 1:1 home made Balun at the centre.

It is only 20m (about 65 feet) from the ground, hanged to 2 trees. It is orizzontal, parallel to the sloping ground and, naturally, the dipole is also sloping but mainly parallel to the "terrace" sloping ground. The ground is mostly wet, I am in a mountain area (Apennines mountains Range 850m slm). The dipole direction is east / west.

I gave you complete info because I know that there are experts hams able to check it with special antennas softwares that I am, at the moment, unable to use "properly". Please feel free to ask any question & in case, if you like, pls check my web site for the pics of my QTH terrain conformation.

What will you suggest for the Reflector length and distance from the radiating element ?

Thanks for this very useful and interesting forum and for any future help.

Max - IZ5LJB, Europe
http://iz5ljb.eu

[Non-text portions of this message have been removed]

4190. RE: [ham-antennas] Adding a wire Reflector element to a 80m orizzontal wire Dipole

Yahoo group: ham-antennas (2008)
Date: 2008-02-19 15:35:13 UTC
From: Callum M0MCX
Topic: 4189 Message: 4190

Max,

Modelling this antenna with a reflector of exactly 40m long, would achieve very good high angle gain but will increase the resonant frequency (you may need to lengthen the antenna a small amount).

However, a dipole for 3.8Mhz at nearly 20m height is a great antenna anyway - if you really want VERY(!) strong local (under 1,000 kms) signals then the reflector on the ground will help a lot. In this configuration, it is called an NVIS antenna. There is an NVIS Yahoo group. You might like to ask there too?

Good luck,

Callum McCormick

http://www.m0mcx.co.uk/

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Massimiliano DP
Sent: 19 February 2008 13:09
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Adding a wire Reflector element to a 80m orizzontal wire Dipole

antennas-hamDear colleagues, I am a neo-radioamateur.
Sorry for my broken English.

I was thinking about adding a Reflector element to my simple 80m wire Dipole to convert it to a 2 elements yagi.

The present dipole arms are 18.8 meters each (61.67 feet each), the wire section is 1.5mm (0.06 inches section) + plastic shield.

It is now perfectly tuned on 3.790 MHz, SWR 1:1

It has a 1:1 home made Balun at the centre.

It is only 20m (about 65 feet) from the ground, hanged to 2 trees. It is orizzontal, parallel to the sloping ground and, naturally, the dipole is also sloping but mainly parallel to the "terrace" sloping ground. The ground is mostly wet, I am in a mountain area (Apennines mountains Range 850m slm). The dipole direction is east / west.

I gave you complete info because I know that there are experts hams able to check it with special antennas softwares that I am, at the moment, unable to use "properly". Please feel free to ask any question & in case, if you like,

pls check my web site for the pics of my QTH terrain conformation.

What will you suggest for the Reflector length and distance from the radiating element ?

Thanks for this very useful and interesting forum and for any future help.

Max - IZ5LJB, Europe
http://iz5ljb.eu

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

4191. Re: Adding a wire Reflector element to a 80m orizzontal wire Dipole

Yahoo group: ham-antennas (2008)
Date: 2008-02-19 15:54:03 UTC
From: Massimiliano
Topic: 4189 Message: 4191

Dear Callum M0MCX, thanks for your wise advice. I just have come back from the garden where I took some measures and I checked if I can use 2 trees to hang the added reflector to my dipole. Ok, thanks, I will tune as you suggested lengthening the dipole. Regarding the NVIS antenna I did not understand if it is good also for low angle radiation (for dx calls). Actually, my dream would be having an antenna that would heavily attenuate local signals in favour of Dx signals... is this just a dream ? I will look around about the NVIS features.
Thanks again Callum,
73 de Max, IZ5LJB

--- "Callum M0MCX" <callum@...> wrote:
(.....)
> Modelling this antenna with a reflector of exactly 40m long, would achieve very good high angle gain but will increase the resonant frequency (you may need to lengthen the antenna a small amount).
(.....)
> - if you really want VERY(!) strong local (under 1,000 kms) signals then the reflector on the ground will help a lot. In this configuration, it is called an NVIS antenna.

4192. RE: [ham-antennas] Looking for stealth copper line and clad three to six paraller lines

Yahoo group: ham-antennas (2008)
Date: 2008-02-19 16:20:32 UTC
From: James M.(Jim) Geidl
Topic: 4188 Message: 4192

Tim,

You might look for flat rotator cable.

Jim, K6JMG
//

> [mailto:ham-antennas@yahoogroups.com] On Behalf Of xperts88
> Sent: Monday, February 18, 2008 8:50 PM
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] Looking for stealth copper line and
> clad three to six paraller lines
>
> Hi all,I'm Tim again,
> I am looking for an antiweatherable thin strong stranded
> (not steel wire)copper wire about #16 to 20AWG for another
> long but stealth wire antenna.
> Could anyone recommend me some wires?
>
> Also would like to have three or five to six paraller lines
> coated together about #16 to 20AWG around.I used a paraller
> lines for PC to make antenna and radials for backpaking
> mobile.It was cut and I think PC paraller lines are not
> repeatable or reliable for a trip.
> Could you show me some shops or firms?
> 73/88 Tim, AH2E

4193. RE: [ham-antennas] Re: Adding a wire Reflector element to a 80m orizzontal wire Dipole

Yahoo group: ham-antennas (2008)
Date: 2008-02-19 17:44:42 UTC
From: Callum M0MCX
Topic: 4189 Message: 4193

If you want DX then DO NOT use the reflector!

If you want to attenuate local signals, use a vertical antenna (http://www.m0mcx.co.uk/?p=100). The DX properties of a good vertical are about the same (maybe better) as a dipole at 20 meters but with less gain from above.

You will not save space with a good vertical - you need lots of space for the radials (or a ground based system).

Regards,

Callum McCormick

http://www.m0mcx.co.uk/

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Massimiliano
Sent: 19 February 2008 15:54
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: Adding a wire Reflector element to a 80m orizzontal wire Dipole

Dear Callum M0MCX, thanks for your wise advice. I just have come back from the garden where I took some measures and I checked if I can use 2 trees to hang the added reflector to my dipole. Ok, thanks, I will tune as you suggested lengthening the dipole. Regarding the NVIS antenna I did not understand if it is good also for low angle radiation (for dx calls). Actually, my dream would be having an antenna that would heavily attenuate local signals in favour of Dx signals... is this just a dream ? I will look around about the NVIS features.
Thanks again Callum,
73 de Max, IZ5LJB

--- "Callum M0MCX" <callum@...> wrote:
(.....)
> Modelling this antenna with a reflector of exactly 40m long, would achieve very good high angle gain but will increase the resonant frequency (you may need to lengthen the antenna a small amount).
(.....)
> - if you really want VERY(!) strong local (under 1,000 kms) signals then the reflector on the ground will help a lot. In this configuration, it is called an NVIS antenna.

[Non-text portions of this message have been removed]

4194. Anyone built a bob tail curtain ?

Yahoo group: ham-antennas (2008)
Date: 2008-02-19 18:17:29 UTC
From: ke4nu_7
Topic: 4194 Message: 4194

Has anyone built a bobtail curtain? I saw one offered for sale by kk4tr
that was fed in the upper corner same as a halfsquare. Just curious,
has
anyone tried this comfiguration. I'd like to build and try the btc, but
don't want to feed it on the bottom like all the designs I've read
about. Thanks for your time, 73, Alan

4195. Re: Adding a wire Reflector element to a 80m orizzontal wire Dipole

Yahoo group: ham-antennas (2008)
Date: 2008-02-19 19:44:41 UTC
From: Massimiliano
Topic: 4189 Message: 4195

Thanks, very interesting, in your experience, do you believe that a 20m vertical for 80m is better than a 2 elements 80m monoband yagi? I read somewhere that a 80m Yagi @ 20m on slope terrain at mountains high altitude was better than a vertical (lower angle with the yagi with this conditions).

Do you suggest that, at only 20m high, adding an element will increase the elevation angle ? I erroneously thought the contrary. What about 3 elements? I probably have the exact space for 3 parallel wires..
I did not know than a 2 or 3 element yagi was worst than a 20m vertical antenna for Dx.
Very interesting, thanks.

I did have a look at your nice vertical antenna pictures.
By `ground based system' instead of the radials I believe that you mean salty water or very conductive ground ..or do you mean something different? Thanks again Callum.
73 de Max IZ5LJB

4196. Re: Adding a wire Reflector element to a 80m orizzontal wire Dipole

Yahoo group: ham-antennas (2008)
Date: 2008-02-19 20:41:38 UTC
From: Dave
Topic: 4189 Message: 4196

Callum, he's talking about an adjacent reflector, not one directly under his dipole. I've never tried it with 80 meters, but NEC modelling a 20 meter dipole vs. 20 meter Yagi fairly close to earth shows that the added reflector (or director, if you choose to go that route) does actually bring down the angle of radiation some. A dipole has a fair bit of radiation straight up, a two-element Yagi has little that goes straight up. Both dependent on height off ground, of course.

Dave W8NF

--- In ham-antennas@yahoogroups.com, "Callum M0MCX" <callum@...> wrote:
>
> If you want DX then DO NOT use the reflector!
>
>
>
> If you want to attenuate local signals, use a vertical antenna
> (http://www.m0mcx.co.uk/?p=100). The DX properties of a good
vertical are
> about the same (maybe better) as a dipole at 20 meters but with less
gain
> from above.
>
>
>
> You will not save space with a good vertical - you need lots of
space for
> the radials (or a ground based system).
>
>
>
> Regards,
>
>
>
> Callum McCormick
>
> http://www.m0mcx.co.uk/
>
>
>
> From: ham-antennas@yahoogroups.com
[mailto:ham-antennas@yahoogroups.com] On
> Behalf Of Massimiliano
> Sent: 19 February 2008 15:54

> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] Re: Adding a wire Reflector element to a 80m
> orizzontal wire Dipole
>
>
>
> Dear Callum M0MCX, thanks for your wise advice. I just have come back
> from the garden where I took some measures and I checked if I can use 2
> trees to hang the added reflector to my dipole. Ok, thanks, I will tune
> as you suggested lengthening the dipole. Regarding the NVIS antenna I
> did not understand if it is good also for low angle radiation (for dx
> calls). Actually, my dream would be having an antenna that would
> heavily attenuate local signals in favour of Dx signals... is this just
> a dream ? I will look around about the NVIS features.
> Thanks again Callum,
> 73 de Max, IZ5LJB
>
> --- "Callum M0MCX" <callum@> wrote:
> (.....)
> > Modelling this antenna with a reflector of exactly 40m long, would
> achieve very good high angle gain but will increase the resonant
> frequency (you may need to lengthen the antenna a small amount).
> (.....)
> > - if you really want VERY(!) strong local (under 1,000 kms) signals
> then the reflector on the ground will help a lot. In this
> configuration, it is called an NVIS antenna.
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

4197. Re: Adding a wire Reflector element to a 80m orizzontal wire Dipole

Yahoo group: ham-antennas (2008)
Date: 2008-02-19 22:44:57 UTC
From: Massimiliano
Topic: 4189 Message: 4197

Yes, thanks David, I thought it was clear but almost certainly I just did not express myself in a proper way. Yes, I am talking about an horizontal 2 elements wire Yagi for 80m. In particular about adding the reflector to a simple dipole. In your view, will I have to replace also the 1:1 balun with a 4:1 balun ?
Any additional suggestions / analysis /personal experience ? Thanks, Max

--- "Dave" <emailw8nf@...> wrote:

(....) Yagi fairly close to earth shows that the added reflector (or director, if you choose to go that route) * (????) *does actually bring down the angle of radiation some. A dipole has a fair bit of radiation straight up, a two-element Yagi has little that goes straight up.
Both dependent on height off ground, of course (20m... sloping ground)

> Dave W8NF

4198. RE: [ham-antennas] Re: Adding a wire Reflector element to a 80m orizzontal wire Dipole

Yahoo group: ham-antennas (2008)
Date: 2008-02-19 23:38:34 UTC
From: Callum M0MCX
Topic: 4189 Message: 4198

Max / Dave,

Ah! Yes - of course, a Yagi would be excellent! An amazing antenna if you have the engineering to do this.

Of course, a fixed yagi to a tree or something would work fine :)

Apologies for confusion - I was an NVIS nut in another life!!

Callum McCormick

http://www.m0mcx.co.uk/

[Non-text portions of this message have been removed]

4199. random wire tuner vs hamsticks

Yahoo group: ham-antennas (2008)
Date: 2008-02-19 23:47:09 UTC
From: ve3diz
Topic: 4199 Message: 4199

A friend of mine asked me a question about hf mobile antenna's. I haven't used hf in the car so I'm clueless on the answer. He asked me if you would get a better signal out if you used a hamstick or an 8.5 foot whip and random wire tuner. He's going to drill a whole in the trunk lid and mount it there. He has a '97 Chrystler Intrepid. He mainly uses 80m, 40m, and 20m.
Matt, VE3DIZ

4200. hamsticks

Yahoo group: ham-antennas (2008)
Date: 2008-02-20 01:36:59 UTC
From: davidnapier2
Topic: 4200 Message: 4200

I recently bought a setup consisting of 2 Hamsticks and a bracket to mount the "sticks" on,horizontally, the sticks are for the 20m band,my question is this: Is this feasible? if so.would mounting them vertically work also? any help would be appreciated!!! David/Ka4zuc

4201. Re: [ham-antennas] hamsticks

Yahoo group: ham-antennas (2008)
Date: 2008-02-20 01:55:50 UTC
From: Leonard K. Pennock
Topic: 4200 Message: 4201

The Hamstick dipole works horizontal or vertical. It is just a center fed shortened dipole. I am assuming that when you say vertical you are talking one up and one down from the feed point. If you are talking both upward then it wouldn't really work.

davidnapier2 wrote:
> I recently bought a setup consisting of 2 Hamsticks and a bracket to
> mount the "sticks" on,horizontally, the sticks are for the 20m band,my
> question is this: Is this feasible? if so.would mounting them
> vertically work also? any help would be appreciated!!! David/Ka4zuc
>
>

--
Leonard K. Pennock
AD7AS

Those who walk bravely through life, unafraid of loss or failure,
find that they very rarely lose or fail.

4202. Triax towers - Weblinks, resalers wanted,

Yahoo group: ham-antennas (2008)
Date: 2008-02-20 03:58:57 UTC
From: AE5MH
Topic: 4202 Message: 4202

Does anyone have any reference links or information for "TRIAX Towers"

I'm looking for parts and ground mounting hardware for a "W-51" tower.

Any help is appreciated.

73

AE5MH

[Non-text portions of this message have been removed]

4203. Re: [ham-antennas] random wire tuner vs hamsticks

Yahoo group: ham-antennas (2008)
Date: 2008-02-20 05:17:58 UTC
From: Leonard K. Pennock
Topic: 4199 Message: 4203

I wouldn't expect a big difference in either as the capture length is about the same. The Hamsticks will be easier to get working but the whip will give full QSY. Don't expect much bandwidth out of the hamsticks on 80 and 40 unless using a tuner as the 2.0:1 bandwidth is only about 15khz on 80M and 30KHz on 40m. With a tuner you can get about 150-200KHz on 80M and 40M. 20M the hamstick can pretty much cover the complete phone band without the tuner.

ve3diz wrote:
> A friend of mine asked me a question about hf mobile antenna's. I
> haven't used hf in the car so I'm clueless on the answer. He asked me
> if you would get a better signal out if you used a hamstick or an 8.5
> foot whip and random wire tuner. He's going to drill a whole in the
> trunk lid and mount it there. He has a '97 Chrystler Intrepid. He
> mainly uses 80m, 40m, and 20m.
> Matt, VE3DIZ
>

--
Leonard K. Pennock
AD7AS

Those who walk bravely through life, unafraid of loss or failure,
find that they very rarely lose or fail.

4204. Re: Triax towers - Weblinks, resalers wanted,

Yahoo group: ham-antennas (2008)
Date: 2008-02-20 06:26:16 UTC
From: Dave
Topic: 4202 Message: 4204

--- In ham-antennas@yahoogroups.com, "AE5MH" <ae5mh@...> wrote:
>
> Does anyone have any reference links or information for "TRIAX Towers"
>
> I'm looking for parts and ground mounting hardware for a "W-51" tower.
>
> Any help is appreciated.
>
> 73
>
> AE5MH
>

Tri-ex towers was purchased by Tashjian towers:

http://www.tashtowers.com/

Dave W8NF

4205. Re: Adding a wire Reflector element to a 80m orizzontal wire Dipole

Yahoo group: ham-antennas (2008)
Date: 2008-02-20 06:31:40 UTC
From: Dave
Topic: 4189 Message: 4205

--- In ham-antennas@yahoogroups.com, "Massimiliano" <trasmissione@...>
wrote:
>
> Yes, thanks David, I thought it was clear but almost certainly I just
> did not express myself in a proper way. Yes, I am talking about an
> horizontal 2 elements wire Yagi for 80m. In particular about adding the
> reflector to a simple dipole. In your view, will I have to replace also
> the 1:1 balun with a 4:1 balun ?
> Any additional suggestions / analysis /personal experience ? Thanks, Max
>

When you add a reflector or director to a dipole, the tendency is for
the dipole's feed-point impedance to go down, not up. I'd keep the
1:1 balun at the feed point and use a tuner. Simply matching the
impedance however works is fine - a Yagi's directionality is not
impacted by an impedance mismatch of the driven element, it is
affected only by the length of the reflector.

The ARRL Antenna book has a chapter on element lengths for Yagis.

Dave W8NF

4206. Re: [ham-antennas] Re: Adding a wire Reflector element to a 80m orizzontal wire Dipole

Yahoo group: ham-antennas (2008)
Date: 2008-02-20 11:36:49 UTC
From: Massimiliano DP
Topic: 4189 Message: 4206

Thanks Dave, thanks Callum, very useful information.
I will let you know the results.. please call me if you listen me on the air, I will be happy to have a chat.
73 de Max IZ5LJB

--- In "Massimiliano" wrote:
.... adding the reflector to a simple dipole.

----- From Dave W8NF:
When you add a reflector or director to a dipole, the tendency is for the dipole's feed-point impedance to go down, not up.
...I'd keep the 1:1 balun at the feed point and use a tuner. ..
The ARRL Antenna book has a chapter on element lengths for Yagis.

4207. RE: [ham-antennas] Re: Triax towers - Weblinks, resalers wanted,

Yahoo group: ham-antennas (2008)
Date: 2008-02-20 13:27:12 UTC
From: AE5MH
Topic: 4202 Message: 4207

Many thanks.. Dave

-----Original Message-----
From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Dave
Sent: Wednesday, February 20, 2008 12:26 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: Triax towers - Weblinks, resalers wanted,

--- In ham-antennas@yahoogroups.com, "AE5MH" <ae5mh@...> wrote:
>
> Does anyone have any reference links or information for "TRIAX Towers"
>
> I'm looking for parts and ground mounting hardware for a "W-51" tower.
>
> Any help is appreciated.
>
> 73
>
> AE5MH
>

Tri-ex towers was purchased by Tashjian towers:

http://www.tashtowers.com/

Dave W8NF

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 974 members (as of 11/07/07, and attachments are NOT permitted.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com

Yahoo! Groups Links

4208. RE: [ham-antennas] random wire tuner vs hamsticks

Yahoo group: ham-antennas (2008)
Date: 2008-02-20 15:50:54 UTC
From: Callum M0MCX
Topic: 4199 Message: 4208

>>> Don't expect much bandwidth out of the hamsticks on 80 and 40 unless using a tuner

.. and then, you can only fool the radio into thinking it's got a decent 50 ohm antenna. We're back to the argument of heating coax up and running inefficient antennas outside the working SWR curve.

Personally, I'd go for an 8.5 foot whip and an SG230 or similar - you have infinite bandwidth and could go from 160m to 10m.

Callum.

Callum McCormick

http://www.m0mcx.co.uk/

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Leonard K. Pennock
Sent: 20 February 2008 05:18
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] random wire tuner vs hamsticks

I wouldn't expect a big difference in either as the capture length is about the same. The Hamsticks will be easier to get working but the whip will give full QSY. Don't expect much bandwidth out of the hamsticks on 80 and 40 unless using a tuner as the 2.0:1 bandwidth is only about 15khz on 80M and 30KHz on 40m. With a tuner you can get about 150-200KHz on 80M and 40M. 20M the hamstick can pretty much cover the complete phone band without the tuner.

ve3diz wrote:
> A friend of mine asked me a question about hf mobile antenna's. I
> haven't used hf in the car so I'm clueless on the answer. He asked me
> if you would get a better signal out if you used a hamstick or an 8.5
> foot whip and random wire tuner. He's going to drill a whole in the
> trunk lid and mount it there. He has a '97 Chrystler Intrepid. He
> mainly uses 80m, 40m, and 20m.
> Matt, VE3DIZ
>

--
Leonard K. Pennock
AD7AS

Those who walk bravely through life, unafraid of loss or failure,
find that they very rarely lose or fail.

[Non-text portions of this message have been removed]

4209. Re: Adding a wire Reflector element to a 80m orizzontal wire Dipole

Yahoo group: ham-antennas (2008)
Date: 2008-02-20 16:11:49 UTC
From: john_tartar
Topic: 4189 Message: 4209

I will try to answer your question directly

Put a reflector approx 6 meters behind the driven element.
Each leg of the reflector should be 20.2 meters each.

This will give you about 4db of gain, and improve your take off angle
for DX.

Of course that will be a uni directoal antenna. If you want to be
albe to change the direction you can add a capacitor that can be
switched with a remote relay. A 500pf capacitor in series the
resonace of the reflector witll change and it will act as a director,
thus reversing the direction of the antenna. Shorting the capcitor
with a relay change it back to a director.

--- In ham-antennas@yahoogroups.com, "Massimiliano DP"
<trasmissione@...> wrote:
>
> antennas-hamDear colleagues, I am a neo-radioamateur.
> Sorry for my broken English.
>
> I was thinking about adding a Reflector element to my simple 80m
wire Dipole to convert it to a 2 elements yagi.
>
> The present dipole arms are 18.8 meters each (61.67 feet each), the
wire section is 1.5mm (0.06 inches section) + plastic shield.
>
> It is now perfectly tuned on 3.790 MHz, SWR 1:1
>
> It has a 1:1 home made Balun at the centre.
>
> It is only 20m (about 65 feet) from the ground, hanged to 2 trees.
It is orizzontal, parallel to the sloping ground and, naturally, the
dipole is also sloping but mainly parallel to the "terrace" sloping
ground. The ground is mostly wet, I am in a mountain area (Apennines
mountains Range 850m slm). The dipole direction is east / west.
>
> I gave you complete info because I know that there are experts hams
able to check it with special antennas softwares that I am, at the
moment, unable to use "properly". Please feel free to ask any
question & in case, if you like, pls check my web site for the pics
of my QTH terrain conformation.
>
> What will you suggest for the Reflector length and distance from
the radiating element ?
>

> Thanks for this very useful and interesting forum and for any
future help.
>
> Max - IZ5LJB, Europe
> http://iz5ljb.eu
>
>
>
> [Non-text portions of this message have been removed]
>

4210. Re: [ham-antennas] random wire tuner vs hamsticks

Yahoo group: ham-antennas (2008)
Date: 2008-02-20 16:33:01 UTC
From: Chris
Topic: 4199 Message: 4210

Just to qualify this. I run an SGC-237 with a 102" whip.

In that configuration it works pretty well 20m and up in frequency.
Lots of contacts on 20m and 17m from the east coast of the US into the
Mediterranean and the Baltics, as well as into Europe.

For 40m it will tune, but not radiate much. By adding another 3' mast
extension under the whip, the signal is much improved, however it is
too tall to drive around with at that point. It is just under but
close to the 16' DOT clearance limit and bangs on anything you pass
by.

For 80m it will tune either way, but radiates pretty much nothing at all.

For 160m, I never even tried.

If you even get 1W out of 100W on 80m with this configuration I'd be amazed.

I like the combination, it's very convenient and with the whip, also
sturdy. A dedicated mono-band with a Hi-Q coil like a Bug catcher
will be far more efficient on the lower bands as would a full sized
screwdriver type antenna.

On Wed, Feb 20, 2008 at 10:50 AM, Callum M0MCX <callum@...> wrote:
> Personally, I'd go for an 8.5 foot whip and an SG230 or similar - you have
> infinite bandwidth and could go from 160m to 10m.
>
> Callum.

4211. Re: [ham-antennas] Re: Adding a wire Reflector element to a 80m orizzontal wire Dipole

Yahoo group: ham-antennas (2008)
Date: 2008-02-20 16:36:29 UTC
From: Massimiliano DP
Topic: 4189 Message: 4211

Dear John, this is very interesting, thanks. Let see if I got all right:

You suggested placing the reflector only 6 meters from the dipole ?
That is very good because I was thinking about placing the reflector 21 meters away !
(If the elements are so near I can even think about adding an additional director)..

Can you kindly explain a bit more about this reflector length and distance considering my dipole measures?
Did you get it with a software or from some book or personal experience ?

Very interesting also the switchable 500pF capacitor to reverse the antenna direction..
In your view can I place the C. inside my station and short it with a switch or it is better to place it near the feeding point?
Will I have to place it in series to the coaxial cable core or in parallel between shield and coax core ?
Sorry for this unskilled questions & thanks a lot for any widening of this topic.

Max

----- Original Message ----- From: john_tartar

Put a reflector approx 6 meters behind the driven element.
Each leg of the reflector should be 20.2 meters each.
....
.... A 500pf capacitor in series the resonace of the reflector will change and it will act as a director,
thus reversing the direction of the antenna. Shorting the capcitor with a relay change it back to a director.

4212. Re: [ham-antennas] random wire tuner vs hamsticks

Yahoo group: ham-antennas (2008)
Date: 2008-02-20 17:00:28 UTC
From: Leonard K. Pennock
Topic: 4199 Message: 4212

In a mobile environment the loss caused by SWR loss in pretty small. If you look at the loss of RG58 for a 20ft run with a 10:1 SWR (limit on a LDG tuner) on 80M you only have .5 db of loss from swr and a total loss of .656db. You can eliminate most of this loss by moving the tuner close to the base of the antenna. Changing the coax length to 1ft drops the SWR loss to .028db and the total loss to .035db. For reference the coax loss at 1:1 swr on a 20ft run is .14db and you would have that with either solution.

The voltage that will appear at the base of the hamstick at a 10:1 swr is much lower than what will be there for a CB whip which is why I said he hamstick solution is easier to get working. But I agree the SGC237 gives a much more flexible solution.

Callum M0MCX wrote:
>>>> Don't expect much bandwidth out of the hamsticks on 80 and 40 unless
> using a tuner
>
>
>
> .. and then, you can only fool the radio into thinking it's got a decent 50
> ohm antenna. We're back to the argument of heating coax up and running
> inefficient antennas outside the working SWR curve.
>
>
>
> Personally, I'd go for an 8.5 foot whip and an SG230 or similar - you have
> infinite bandwidth and could go from 160m to 10m.
>
>
>
> Callum.
>
>
>
> Callum McCormick
>
> http://www.m0mcx.co.uk/
>

--
Leonard K. Pennock
AD7AS

Those who walk bravely through life, unafraid of loss or failure,
find that they very rarely lose or fail.

4213. Re: [ham-antennas] random wire tuner vs hamsticks

Yahoo group: ham-antennas (2008)
Date: 2008-02-20 17:37:14 UTC
From: W8OKN
Topic: 4199 Message: 4213

--
From the desk of W8OKN, northern Michigan

---- "Leonard K. Pennock" <leonardpennock@...> wrote:

==========
In a mobile environment the loss caused by SWR loss in pretty small. If you look at the loss of RG58 for a 20ft run with a 10:1 SWR (limit on a LDG tuner) on 80M you only have .5 db of loss from swr and a total loss of .656db. You can eliminate most of this loss by moving the tuner close to the base of the antenna. Changing the coax length to 1ft drops the SWR loss to .028db and the total loss to .035db. For reference the coax loss at 1:1 swr on a 20ft run is .14db and you would have that with either solution.

The voltage that will appear at the base of the hamstick at a 10:1 swr is much lower than what will be there for a CB whip which is why I said he hamstick solution is easier to get working. But I agree the SGC237 gives a much more flexible solution.

Callum M0MCX wrote:
>>>> Don't expect much bandwidth out of the hamsticks on 80 and 40 unless
> using a tuner
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> .. and then, you can only fool the radio into thinking it's got a decent 50
> ohm antenna. We're back to the argument of heating coax up and running
> inefficient antennas outside the working SWR curve.
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>
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> Personally, I'd go for an 8.5 foot whip and an SG230 or similar - you have
> infinite bandwidth and could go from 160m to 10m.
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>
> Callum.
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> Callum McCormick
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Leonard K. Pennock
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4214. Re: [ham-antennas] random wire tuner vs hamsticks

Yahoo group: ham-antennas (2008)
Date: 2008-02-20 17:55:22 UTC
From: Leonard K. Pennock
Topic: 4199 Message: 4214

On the other hand I have gotten pretty good reports and a lot of surprise that I was running a mobile when I used a 40M or 80M hamstick combined with a LDG tuner. Granted we are not talking real DX but I can usually work about halfway across the US on 80M while mobile. (i.e. OK to NC or CA, AZ to CA or MO,TX). Considering we are talking an antenna that is only about 1/40th of a wave length I don't consider that bad.

Chris wrote:
<snip>
> For 40m it will tune, but not radiate much. By adding another 3' mast
> extension under the whip, the signal is much improved, however it is
> too tall to drive around with at that point. It is just under but
> close to the 16' DOT clearance limit and bangs on anything you pass
> by.
>
> For 80m it will tune either way, but radiates pretty much nothing at all.
>

--
Leonard K. Pennock
AD7AS

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4215. RE: [ham-antennas] random wire tuner vs hamsticks

Yahoo group: ham-antennas (2008)
Date: 2008-02-20 20:53:42 UTC
From: Callum M0MCX
Topic: 4199 Message: 4215

>>> If you look at the loss of RG58 for a 20ft run with a 10:1 SWR (limit on
a
LDG tuner) on 80M you only have .5 db of loss

Well, I never knew that!

Thanks.

Callum McCormick

http://www.m0mcx.co.uk/

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On
Behalf Of Leonard K. Pennock
Sent: 20 February 2008 17:00
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] random wire tuner vs hamsticks

In a mobile environment the loss caused by SWR loss in pretty small. If
you look at the loss of RG58 for a 20ft run with a 10:1 SWR (limit on a
LDG tuner) on 80M you only have .5 db of loss from swr and a total loss
of .656db. You can eliminate most of this loss by moving the tuner
close to the base of the antenna. Changing the coax length to 1ft drops
the SWR loss to .028db and the total loss to .035db. For reference the
coax loss at 1:1 swr on a 20ft run is .14db and you would have that with
either solution.

The voltage that will appear at the base of the hamstick at a 10:1 swr
is much lower than what will be there for a CB whip which is why I said
he hamstick solution is easier to get working. But I agree the SGC237
gives a much more flexible solution.

Callum M0MCX wrote:
>>>> Don't expect much bandwidth out of the hamsticks on 80 and 40 unless
> using a tuner
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> .. and then, you can only fool the radio into thinking it's got a decent
50
> ohm antenna. We're back to the argument of heating coax up and running
> inefficient antennas outside the working SWR curve.
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> Personally, I'd go for an 8.5 foot whip and an SG230 or similar - you have
> infinite bandwidth and could go from 160m to 10m.

>
>
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> Callum.
>
>
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> Callum McCormick
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--
Leonard K. Pennock
AD7AS

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[Non-text portions of this message have been removed]

4216. Re: [ham-antennas] random wire tuner vs hamsticks

Yahoo group: ham-antennas (2008)
Date: 2008-02-20 21:01:16 UTC
From: Leonard K. Pennock
Topic: 4199 Message: 4216

No Problem. You might like this handy calculator for helping figure the
impact of feed line loss. <www.ocarc.ca/coax.htm>

Callum M0MCX wrote:
>>>> If you look at the loss of RG58 for a 20ft run with a 10:1 SWR (limit on
> a
> LDG tuner) on 80M you only have .5 db of loss
>
>
>
> Well, I never knew that!
>
>
>
> Thanks.
>
>
>
> Callum McCormick
>
> http://www.m0mcx.co.uk/
>
>

--
Leonard K. Pennock
AD7AS

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4217. RE: [ham-antennas] random wire tuner vs hamsticks

Yahoo group: ham-antennas (2008)
Date: 2008-02-20 22:09:52 UTC
From: Callum M0MCX
Topic: 4199 Message: 4217

OK, let me play for a moment..

Mismatch of 5:1 SWR on 40m band with RG213 at 100 watts: I'll get 76 watts out the antenna and 24 watts to heat the cable up.

Is that right?

Callum McCormick

http://www.m0mcx.co.uk/

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Leonard K. Pennock
Sent: 20 February 2008 21:01
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] random wire tuner vs hamsticks

No Problem. You might like this handy calculator for helping figure the impact of feed line loss. <www.ocarc.ca/coax.htm>

Callum M0MCX wrote:
>>>> If you look at the loss of RG58 for a 20ft run with a 10:1 SWR (limit on
> a
> LDG tuner) on 80M you only have .5 db of loss
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>
>
> Well, I never knew that!
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>
> Thanks.
>
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> Callum McCormick
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> http://www.m0mcx.co.uk/
>
>

--
Leonard K. Pennock
AD7AS

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[Non-text portions of this message have been removed]

4218. RE: [ham-antennas] random wire tuner vs hamsticks

Yahoo group: ham-antennas (2008)
Date: 2008-02-20 22:13:31 UTC
From: Callum M0MCX
Topic: 4199 Message: 4218

By the way, I was calculating that for 30 meters of RG213..

This is interesting because even at 1:5 SWR, this calculator is suggesting
that for 30 meters of 213 at 7 Mhz, I'll still lose 20 watts in the cable.

Seems a bit steep to me!

Callum McCormick

http://www.m0mcx.co.uk/

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On
Behalf Of Callum M0MCX
Sent: 20 February 2008 22:10
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] random wire tuner vs hamsticks

OK, let me play for a moment..

Mismatch of 5:1 SWR on 40m band with RG213 at 100 watts: I'll get 76 watts
out the antenna and 24 watts to heat the cable up.

Is that right?

Callum McCormick

http://www.m0mcx.co.uk/

From: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
[mailto:ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
] On
Behalf Of Leonard K. Pennock
Sent: 20 February 2008 21:01
To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
Subject: Re: [ham-antennas] random wire tuner vs hamsticks

No Problem. You might like this handy calculator for helping figure the
impact of feed line loss. <www.ocarc.ca/coax.htm>

Callum M0MCX wrote:
>>>> If you look at the loss of RG58 for a 20ft run with a 10:1 SWR (limit
on
> a
> LDG tuner) on 80M you only have .5 db of loss
>
>
>
> Well, I never knew that!

>
>
>
> Thanks.
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> Callum McCormick
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> http://www.m0mcx.co.uk/
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--
Leonard K. Pennock
AD7AS

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[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

4219. Re: [ham-antennas] random wire tuner vs hamsticks

Yahoo group: ham-antennas (2008)
Date: 2008-02-20 22:15:34 UTC
From: Leonard K. Pennock
Topic: 4199 Message: 4219

If you are running 100ft of it, yes.

Callum M0MCX wrote:
> OK, let me play for a moment..
>
>
>
> Mismatch of 5:1 SWR on 40m band with RG213 at 100 watts: I'll get 76 watts
> out the antenna and 24 watts to heat the cable up.
>
>
>
> Is that right?
>
>
>
> Callum McCormick
>
> http://www.m0mcx.co.uk/
>
>
>

--
Leonard K. Pennock
AD7AS

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4220. Re: [ham-antennas] random wire tuner vs hamsticks

Yahoo group: ham-antennas (2008)
Date: 2008-02-20 22:21:11 UTC
From: Leonard K. Pennock
Topic: 4199 Message: 4220

about half the loss is just the coax itself without even considering the
loss to SWR. That is also with Belden 8267. Wireman isn't quite as bad.

Callum M0MCX wrote:
> By the way, I was calculating that for 30 meters of RG213..
>
>
>
> This is interesting because even at 1:5 SWR, this calculator is suggesting
> that for 30 meters of 213 at 7 Mhz, I'll still lose 20 watts in the cable.
>
>
>
> Seems a bit steep to me!
>
>
>
> Callum McCormick
>
> http://www.m0mcx.co.uk/
>
>
>

--
Leonard K. Pennock
AD7AS

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4221. RE: [ham-antennas] random wire tuner vs hamsticks

Yahoo group: ham-antennas (2008)
Date: 2008-02-20 23:06:08 UTC
From: Callum M0MCX
Topic: 4199 Message: 4221

My interest in home-brew open-wire feeder has just gone up 10 points :)

Callum McCormick

http://www.m0mcx.co.uk/

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Leonard K. Pennock
Sent: 20 February 2008 22:21
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] random wire tuner vs hamsticks

about half the loss is just the coax itself without even considering the loss to SWR. That is also with Belden 8267. Wireman isn't quite as bad.

Callum M0MCX wrote:
> By the way, I was calculating that for 30 meters of RG213..
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> This is interesting because even at 1:5 SWR, this calculator is suggesting
> that for 30 meters of 213 at 7 Mhz, I'll still lose 20 watts in the cable.
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> Seems a bit steep to me!
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>
> Callum McCormick
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>
>

--
Leonard K. Pennock
AD7AS

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[Non-text portions of this message have been removed]

4222. Want to build vertical

Yahoo group: ham-antennas (2008)
Date: 2008-02-21 03:30:00 UTC
From: pitbon
Topic: 4222 Message: 4222

Ok I am really new to antenna building and I want to build a semi hidden verical...low cost antenna.
The idea i have is to use some pvc and paint it camo and mount it to the back side of a tree. My tree is about 20 feet tall or so but i think i could go a few feet above the tree with the antenna without causing any concern from neighbors or my HOA....I hope..

Any suggestions or web links someone might have would be awesome.

What i would like is a minimum of 20 meters since i am studying for my General ticket. I have a dipole that i cn tune in somne 40 and 20 meters but i would like to pull the signals in better and was hoping a vertical might do that.

I have a length (125ft) of RG213 that a fellow Ham friend gave me so I'm good there, Should I buy an antenna or can i make one fairly cheap...(i hope).

Thanks for any and all help it will all be considered!

Bonner KJ4BKK

4223. Re: Looking for stealth copper line and clad three to six paraller lines

Yahoo group: ham-antennas (2008)
Date: 2008-02-21 05:29:33 UTC
From: xperts88
Topic: 4188 Message: 4223

Hi Jim. Thanks for your reply.
I am afraid for example, Each diameter of Philips 3 conductor flat cable is a little small gage, #26 AWG so
Could anybody show me 20-16 3 conductor flat line?
73 Tim,

> Tim,
> You might look for flat rotator cable.
> Jim, K6JMG

4224. RE: [ham-antennas] Want to build vertical

Yahoo group: ham-antennas (2008)
Date: 2008-02-21 12:49:27 UTC
From: Callum M0MCX
Topic: 4222 Message: 4224

Don□t paint PVC, you□re wasting your time (unless you use plastic primer and all sorts). Suggest you use a 30 foot fishing pole blank and just shove it that against the tree and hold in place with bungee straps or something (at least as an experiment). In this country, I can get fishing poles for about £20 ($40 dollars). In Europe, SpiderBeam do 18 meter (60 foot) specialist fishing rod type technology verticals precisely for this. I have the 12m version.

Anyway, mildly helically wind some wire up it (seems to stop the wire looking untidy) and use insulation tape to hold the wire onto the rod (or get creative and put the wire inside the fishing rod blank..? Remember that in time, the fishing rod sections can collapse inwards to each other so tape these sections together.

That□s the easy bit. Now you have a ground system to install. Start reading and get your mind around how you will achieve that □ or get an elevated radials system on the go. There□s a big choice out there and the topic is vast.

Or.. Use the top of your fishing pole as the top of a doublet and install ladder line up to the top with a tuner at the bottom (or in the shack) □ but don□t use coax for that solution, only ladder line. Wait a minute.. What about a G5RV? That works too □ it was my first antenna and was so easy.

Cheers,

Callum McCormick

http://www.m0mcx.co.uk/

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of pitbon
Sent: 21 February 2008 03:30
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Want to build vertical

Ok I am really new to antenna building and I want to build a semi hidden verical...low cost antenna.
The idea i have is to use some pvc and paint it camo and mount it to the back side of a tree. My tree is about 20 feet tall or so but i think i could go a few feet above the tree with the antenna without causing any concern from neighbors or my HOA....I hope..

Any suggestions or web links someone might have would be awesome.

What i would like is a minimum of 20 meters since i am studying for my General ticket. I have a dipole that i cn tune in somne 40 and 20

meters but i would like to pull the signals in better and was hoping a vertical might do that.

I have a length (125ft) of RG213 that a fellow Ham friend gave me so I'm good there, Should I buy an antenna or can i make one fairly cheap...(i hope).

Thanks for any and all help it will all be considered!

Bonner KJ4BKK

[Non-text portions of this message have been removed]

4225. Re: [ham-antennas] Re: Looking for stealth copper line and clad three to six paraller lines

Yahoo group: ham-antennas (2008)
Date: 2008-02-21 16:12:08 UTC
From: Dean L.
Topic: 4188 Message: 4225

As for a Stealth antenna wire just buy a roll of Electric Fence wire at your local farm and home store.. You Don't need copper wire for an antenna. Sure copper may work just a little better but you are looking for a Stealth Antenna.
If you opt for parallel lies then you will Loose your Stealth. The insulation will make it thick and not help at all.

73 Dean W5GXL

Disclaimer: Any errors in spelling, or fact are transmission errors.

On Feb 20, 2008, at 11:29 PM, xperts88 wrote:

> Hi Jim. Thanks for your reply.
> I am afraid for example, Each diameter of Philips 3 conductor flat
> cable is a little small gage, #26 AWG so
> Could anybody show me 20-16 3 conductor flat line?
> 73 Tim,
>
> > Tim,
> > You might look for flat rotator cable.
> > Jim, K6JMG
>
>
>

[Non-text portions of this message have been removed]

4226. Looking for a clad three thicker parellerli line or feeder

Yahoo group: ham-antennas (2008)
Date: 2008-02-21 17:57:16 UTC
From: xperts88
Topic: 4188 Message: 4226

Hi Dean, I know what you would advise me as a stealth radio.
It may be the best solution,
But for my acuisitive nature to 3 paraller lines is unlike below #20
or thiner ones.
I think the black coated ones.
See http://www.hechinger.com/web/catalog/product_detail.aspx?pid
=186707&cm_ven=PriceGrabber&cm_cat=Building-Remodeling&cm_pla=Philips
+Accessories&cm_ite=Philips+Accessories-Electrical-186707&cid
=1E59F7C96DEFBBF206E93CD65E0D5DFB
This every line is just 26 AWG line for Philips Rotator
What I want is unlike PC or this paraller ones
but thicker ones.
Does anyone have some information please?
73 Tim,
>
> As for a Stealth antenna wire just buy a roll of Electric Fence wire
> at your local farm and home store.. You Don't need copper wire for
> an antenna. Sure copper may work just a little better but you are
> looking for a Stealth Antenna.
> If you opt for parallel lies then you will Loose your Stealth. The
> insulation will make it thick and not help at all.
>
> 73 Dean W5GXL
>
> Disclaimer: Any errors in spelling, or fact are
> transmission errors.
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> On Feb 20, 2008, at 11:29 PM, xperts88 wrote:
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> > Hi Jim. Thanks for your reply.
> > I am afraid for example, Each diameter of Philips 3 conductor flat
> > cable is a little small gage, #26 AWG so
> > Could anybody show me 20-16 3 conductor flat line?
> > 73 Tim,
> >
> > > Tim,
> > > You might look for flat rotator cable.
> > > Jim, K6JMG
> >
> >
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>
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>
> [Non-text portions of this message have been removed]
>

4227. Re: [ham-antennas] hamsticks

Yahoo group: ham-antennas (2008)
Date: 2008-02-21 19:27:24 UTC
From: Wayne
Topic: 4200 Message: 4227

yes, vertical will also work, though a bit trickier mounting, as
proximity to other objects has an effect on them.
In 2002, I made a number of conatcts from a stationary mobile using an
Ironhorse 20 meter whip on a large magnet mount. This was in the evening
from Washington state.
Contacts included Sweden, Finland and Russia.
Radio was an Icom 706 MK II G at about 100 watts.
This was in mid to late September.
Time of the year, band conditions and so on can make a lot of differences.

I have also talked some fair distances on 6 meters using a hamstick on
the magnet mount on my tin roof, at an angle due to the slope of the roof.

I suggest using an analyzer to adjust the antennas if possible, otherwise
an SWR meter can work.
I had set up the 20 meter Iron Horse whip using the SWR graph in the 706.
Oh yes, moving it can change the SWR due to other factors.
YMMV

73 DE Wayne WA2YNE
Imperial, Tejas

On Tue, 19 Feb 2008 19:36:59 -0600, davidnapier2 <davidnapier2@...>
wrote:

> I recently bought a setup consisting of 2 Hamsticks and a bracket to
> mount the "sticks" on,horizontally, the sticks are for the 20m band,my
> question is this: Is this feasible? if so.would mounting them
> vertically work also? any help would be appreciated!!! David/Ka4zuc
>

--
Using Opera's revolutionary e-mail client: http://www.opera.com/mail/

4228. Re: Want to build vertical

Yahoo group: ham-antennas (2008)
Date: 2008-02-21 21:16:53 UTC
From: Dave
Topic: 4222 Message: 4228

Why are we strapping poles to trees? The tree IS the vertical support. How about hang a rope from a branch, with an insulator at the bottom, then suspend 20 gauge copperweld downward from there? I've got 20 gauge copperweld in the air right now at 40 feet high and can't see it. At the bottom of whatever length of copperweld you use, a base insulating system and two tuned radials will make it a dynamite DX antenna.

Dave W8NF

--- In ham-antennas@yahoogroups.com, "Callum M0MCX" <callum@...> wrote:
>
> Don't paint PVC, you're wasting your time (unless you use plastic primer and
> all sorts). Suggest you use a 30 foot fishing pole blank and just shove it
> that against the tree and hold in place with bungee straps or something (at
> least as an experiment). In this country, I can get fishing poles for about
> £20 ($40 dollars). In Europe, SpiderBeam do 18 meter (60 foot) specialist
> fishing rod type technology verticals precisely for this. I have the 12m
> version.
>
>
>
> Anyway, mildly helically wind some wire up it (seems to stop the wire
> looking untidy) and use insulation tape to hold the wire onto the rod (or
> get creative and put the wire inside the fishing rod blank..? Remember that
> in time, the fishing rod sections can collapse inwards to each other so tape
> these sections together.
>
>
>
> That's the easy bit. Now you have a ground system to install. Start reading
> and get your mind around how you will achieve that ☐ or get an elevated
> radials system on the go. There's a big choice out there and the topic is
> vast.
>

>
>
> Or.. Use the top of your fishing pole as the top of a doublet and
install
> ladder line up to the top with a tuner at the bottom (or in the
shack) ☐ but
> don't use coax for that solution, only ladder line. Wait a minute.. What
> about a G5RV? That works too ☐ it was my first antenna and was so easy.
>
>
>
> Cheers,
>
>
>
> Callum McCormick
>
> http://www.m0mcx.co.uk/
>
>
>
> From: ham-antennas@yahoogroups.com
[mailto:ham-antennas@yahoogroups.com] On
> Behalf Of pitbon
> Sent: 21 February 2008 03:30
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] Want to build vertical
>
>
>
> Ok I am really new to antenna building and I want to build a semi
> hidden verical...low cost antenna.
> The idea i have is to use some pvc and paint it camo and mount it to
> the back side of a tree. My tree is about 20 feet tall or so but i
> think i could go a few feet above the tree with the antenna without
> causing any concern from neighbors or my HOA....I hope..
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> Any suggestions or web links someone might have would be awesome.
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> What i would like is a minimum of 20 meters since i am studying for my
> General ticket. I have a dipole that i cn tune in somne 40 and 20
> meters but i would like to pull the signals in better and was hoping a
> vertical might do that.
>
> I have a length (125ft) of RG213 that a fellow Ham friend gave me so
> I'm good there, Should I buy an antenna or can i make one fairly
> cheap...(i hope).
>
> Thanks for any and all help it will all be considered!

>
> Bonner KJ4BKK
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

4229. RE: [ham-antennas] Re: Want to build vertical

Yahoo group: ham-antennas (2008)
Date: 2008-02-21 23:13:41 UTC
From: Callum M0MCX
Topic: 4222 Message: 4229

>> Why are we strapping poles to trees

Because he wants to go higher!

> My tree is about 20 feet tall or so but i think i could go a few feet
above the tree with the antenna without causing any concern from neighbors

!

Callum McCormick

http://www.m0mcx.co.uk/

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On
Behalf Of Dave
Sent: 21 February 2008 21:17
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: Want to build vertical

Why are we strapping poles to trees? The tree IS the vertical
support. How about hang a rope from a branch, with an insulator at
the bottom, then suspend 20 gauge copperweld downward from there?
I've got 20 gauge copperweld in the air right now at 40 feet high and
can't see it. At the bottom of whatever length of copperweld you use,
a base insulating system and two tuned radials will make it a dynamite
DX antenna.

Dave W8NF

--- In ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
, "Callum M0MCX" <callum@...> wrote:
>
> Don't paint PVC, you're wasting your time (unless you use plastic
primer and
> all sorts). Suggest you use a 30 foot fishing pole blank and just
shove it
> that against the tree and hold in place with bungee straps or
something (at
> least as an experiment). In this country, I can get fishing poles
for about
> £20 ($40 dollars). In Europe, SpiderBeam do 18 meter (60 foot)
specialist
> fishing rod type technology verticals precisely for this. I have the 12m
> version.
>
>
>

> Anyway, mildly helically wind some wire up it (seems to stop the wire
> looking untidy) and use insulation tape to hold the wire onto the
rod (or
> get creative and put the wire inside the fishing rod blank..?
Remember that
> in time, the fishing rod sections can collapse inwards to each other
so tape
> these sections together.
>
>
>
> That's the easy bit. Now you have a ground system to install. Start
reading
> and get your mind around how you will achieve that ☐ or get an elevated
> radials system on the go. There's a big choice out there and the
topic is
> vast.
>
>
>
> Or.. Use the top of your fishing pole as the top of a doublet and
install
> ladder line up to the top with a tuner at the bottom (or in the
shack) ☐ but
> don't use coax for that solution, only ladder line. Wait a minute.. What
> about a G5RV? That works too ☐ it was my first antenna and was so easy.
>
>
>
> Cheers,
>
>
>
> Callum McCormick
>
> http://www.m0mcx.co.uk/
>
>
>
> From: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>

[mailto:ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
] On
> Behalf Of pitbon
> Sent: 21 February 2008 03:30
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Subject: [ham-antennas] Want to build vertical
>
>

>
> Ok I am really new to antenna building and I want to build a semi
> hidden verical...low cost antenna.
> The idea i have is to use some pvc and paint it camo and mount it to
> the back side of a tree. My tree is about 20 feet tall or so but i
> think i could go a few feet above the tree with the antenna without
> causing any concern from neighbors or my HOA....I hope..
>
> Any suggestions or web links someone might have would be awesome.
>
> What i would like is a minimum of 20 meters since i am studying for my
> General ticket. I have a dipole that i cn tune in somne 40 and 20
> meters but i would like to pull the signals in better and was hoping a
> vertical might do that.
>
> I have a length (125ft) of RG213 that a fellow Ham friend gave me so
> I'm good there, Should I buy an antenna or can i make one fairly
> cheap...(i hope).
>
> Thanks for any and all help it will all be considered!
>
> Bonner KJ4BKK
>
>
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>
> [Non-text portions of this message have been removed]
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[Non-text portions of this message have been removed]

4230. Windom Antenna Question, G5RV Antenna

Yahoo group: ham-antennas (2008)
Date: 2008-02-22 14:30:52 UTC
From: gary jamerson
Topic: 4230 Message: 4230

Hello! To all,

I live in a 2 story house In a subdivision that has antenna restrictions. So my options are:
My attic is 10' to 20' high in different areas would it be safe to use these antennas? I just don't want to burn my house down.

Windom Antenna Question:

Is this antenna safe in a attic that is 10 to 20 ft. high in different areas? I will also need to put it in a Z shape.

G5RV Antenna Question:

I have this antenna and I was planning to place it as an inverted V and the ends placed similar to a Z,but due to the slope of the roof it is not 50' long on either side of the slope. So the ends of the the antenna would have to trail off horizontally.

Would appreciate any advice.

Thanks.

Gary J.

kf4cnm@...

4231. Flag Pole Verticle Antenna

Yahoo group: ham-antennas (2008)
Date: 2008-02-22 15:09:02 UTC
From: gary jamerson
Topic: 4231 Message: 4231

Hello! Again,

I forgot to include one other question. I have to check and see if I can install a flag pole. Then i could run a antenna inside the flag pole.

I have a few questions on the flag pole antenna.

1.Does the grounding rod need to be near the base of the flag pole? Or can I have the grounding rod near the house? I think I might know the answer. It would have to be near the base of the flag pole where the radials be.

2.Do I have to place a SGC-237 antenna coupler near the base of the antenna or can I use my LDG Z-100 ULTRA or LDG-Z-11 PRO at end of the coax in the 2nd story ham shack? I would be running the coax under ground about 150 -200 ft. and thendun up some coax behind an aluminum gutter toa second story window and then into the shack.

3. What coax would you recommend for for the 150-200 ft. below ground coax. I would think it would have to be some very low loss coax.

4.Behind the gutter I would like to place some coax that is small in diameter and also it needs to be low loss coax cable also.

I would like your thoughts,Ideas and advice on this matter. In other words your help.

Thanks in advance for your help.

Gary J

kf4cnm@...

4232. RE: [ham-antennas] Re: Want to build vertical

Yahoo group: ham-antennas (2008)
Date: 2008-02-22 15:27:25 UTC
From: Callum M0MCX
Topic: 4222 Message: 4232

Apologies to Dave, there should have been some smiley in that post.

Sorry.

Callum McCormick

http://www.m0mcx.co.uk/

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On
Behalf Of Callum M0MCX
Sent: 21 February 2008 23:14
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Re: Want to build vertical

>> Why are we strapping poles to trees

Because he wants to go higher!

> My tree is about 20 feet tall or so but i think i could go a few feet
above the tree with the antenna without causing any concern from neighbors

!

Callum McCormick

http://www.m0mcx.co.uk/

From: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
[mailto:ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
] On
Behalf Of Dave
Sent: 21 February 2008 21:17
To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
Subject: [ham-antennas] Re: Want to build vertical

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support. How about hang a rope from a branch, with an insulator at
the bottom, then suspend 20 gauge copperweld downward from there?
I've got 20 gauge copperweld in the air right now at 40 feet high and
can't see it. At the bottom of whatever length of copperweld you use,
a base insulating system and two tuned radials will make it a dynamite
DX antenna.

Dave W8NF

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<mailto:ham-antennas%40yahoogroups.com>
, "Callum M0MCX" <callum@...> wrote:

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> Don't paint PVC, you're wasting your time (unless you use plastic
primer and
> all sorts). Suggest you use a 30 foot fishing pole blank and just
shove it
> that against the tree and hold in place with bungee straps or
something (at
> least as an experiment). In this country, I can get fishing poles
for about
> £20 ($40 dollars). In Europe, SpiderBeam do 18 meter (60 foot)
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> fishing rod type technology verticals precisely for this. I have the 12m
> version.
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> Anyway, mildly helically wind some wire up it (seems to stop the wire
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Remember that
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> That's the easy bit. Now you have a ground system to install. Start
reading
> and get your mind around how you will achieve that ☐ or get an elevated
> radials system on the go. There's a big choice out there and the
topic is
> vast.
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> Or.. Use the top of your fishing pole as the top of a doublet and
install
> ladder line up to the top with a tuner at the bottom (or in the
shack) ☐ but
> don't use coax for that solution, only ladder line. Wait a minute.. What
> about a G5RV? That works too ☐ it was my first antenna and was so easy.
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> Cheers,
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> Callum McCormick
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> http://www.m0mcx.co.uk/
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> From: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
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[mailto:ham-antennas@...m <mailto:ham-antennas%40yahoogroups.com>
<mailto:ham-antennas%40yahoogroups.com>
] On
> Behalf Of pitbon
> Sent: 21 February 2008 03:30
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
<mailto:ham-antennas%40yahoogroups.com>
> Subject: [ham-antennas] Want to build vertical
>
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> Ok I am really new to antenna building and I want to build a semi
> hidden verical...low cost antenna.
> The idea i have is to use some pvc and paint it camo and mount it to
> the back side of a tree. My tree is about 20 feet tall or so but i
> think i could go a few feet above the tree with the antenna without
> causing any concern from neighbors or my HOA....I hope..
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> Any suggestions or web links someone might have would be awesome.
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> What i would like is a minimum of 20 meters since i am studying for my
> General ticket. I have a dipole that i cn tune in somne 40 and 20
> meters but i would like to pull the signals in better and was hoping a
> vertical might do that.
>
> I have a length (125ft) of RG213 that a fellow Ham friend gave me so
> I'm good there, Should I buy an antenna or can i make one fairly
> cheap...(i hope).
>
> Thanks for any and all help it will all be considered!
>
> Bonner KJ4BKK
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4233. Re: [ham-antennas] Windom Antenna Question, G5RV Antenna

Yahoo group: ham-antennas (2008)
Date: 2008-02-22 15:40:45 UTC
From: Chris
Topic: 4230 Message: 4233

I wouldn't hesitate with a few caveats.

Use standoff insulators, don't let the wire contact the wood rafters directly.

Try to avoid close proximity to metal, be it duct work or pipe as it will detune the antenna.

Would recommend against a G5RV since you can't fully flat-top it and allow the window line portion to hang directly down from it as designed. They are a compromise antenna to begin with, but if you start crumpling up ladder line, it will make a mess of the performance. You really need to let that ladder line hang straight and free of the feed point and I think it is roughly 32 feet long. They also aren't particularly great performers in an inverted V either. I prefer the Windom OCF 4:1 balun type vs the G5RV if you need to do a V or other geometry tricks to make it fit.

A great attic antenna is as big of a loop of wire you can fit in the space, and run with a wide range auto tuner like an SGC-237. You run the coax and power leads up to the attic and place the tuner right at the feed point of the loop. You get a versatile and balanced antenna out of it. Just watch the power limitations with auto tuners, only run a 100W rig with them.

On Fri, Feb 22, 2008 at 9:30 AM, gary jamerson <kf4cnm@...> wrote:
> Hello! To all,
>
> I live in a 2 story house In a subdivision that has antenna
> restrictions. So my options are:
> My attic is 10' to 20' high in different areas would it be safe to use
> these antennas? I just don't want to burn my house down.
>
> Windom Antenna Question:
>
> Is this antenna safe in a attic that is 10 to 20 ft. high in
> different areas? I will also need to put it in a Z shape.
>
> G5RV Antenna Question:
>
> I have this antenna and I was planning to place it as an inverted V
> and the ends placed similar to a Z,but due to the slope of the roof
> it is not 50' long on either side of the slope. So the ends of the
> the antenna would have to trail off horizontally.
>
> Would appreciate any advice.
>

> Thanks.
>
> Gary J.
>
> kf4cnm@...
>
>
>
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>
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 974 members (as of 11/07/07, and attachments are NOT permitted.
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> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
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> Yahoo! Groups Links
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>

4234. Re: [ham-antennas] Flag Pole Verticle Antenna

Yahoo group: ham-antennas (2008)
Date: 2008-02-22 15:54:43 UTC
From: Chris
Topic: 4231 Message: 4234

I would say an auto tuner at the feed point would have lower losses than tuning the feed line inside the shack.

'full size' coax as in 9913/lmr-400/213U would hide behind a gutter well, I wouldn't compromise with mini-8 there either.

The ground should be at the feed point as it is an RF ground in this situation. Get some fine wire and lay it out and tuck it into your lawn as well. Make yourself say 4 radials 1/4 wave at the lowest band you want to work as a minimum. It will help you out a lot. Radials for at least 40m and 20m would probably be a good idea and you would appreciate the effort vs the performance increase you will see.

There's always the Steppir BigIR too, wonder if you could get away with rigging some small plastic pulley and a small flag on one of those? ;-).

Put the time in once and it will pay out for a long time.

On Fri, Feb 22, 2008 at 10:09 AM, gary jamerson <kf4cnm@...> wrote:
> Hello! Again,
>
> I forgot to include one other question. I have to check and see if I
> can install a flag pole. Then i could run a antenna inside the
> flag pole.
>
> I have a few questions on the flag pole antenna.
>
> 1.Does the grounding rod need to be near the base of the flag pole? Or
> can I have the grounding rod near the house? I think I might know the
> answer. It would have to be near the base of the flag pole where the
> radials be.
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> 2.Do I have to place a SGC-237 antenna coupler near the base of the
> antenna or can I use my LDG Z-100 ULTRA or LDG-Z-11 PRO at end of the
> coax in the 2nd story ham shack? I would be running the coax under
> ground about 150 -200 ft. and thendun up some coax behind an
> aluminum gutter toa second story window and then into the shack.
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> 3. What coax would you recommend for for the 150-200 ft. below
> ground coax. I would think it would have to be some very low loss
> coax.
>
> 4.Behind the gutter I would like to place some coax that is small
> in diameter and also it needs to be low loss coax cable also.
>

> I would like your thoughts,Ideas and advice on this matter. In other
> words your help.
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> Thanks in advance for your help.
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> Gary J
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> List owner: ham-antennas-owner@yahoogroups.com
>
> Yahoo! Groups Links
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>

4235. Re: Flag Pole Verticle Antenna

Yahoo group: ham-antennas (2008)
Date: 2008-02-22 17:03:49 UTC
From: Greg
Topic: 4231 Message: 4235

Hi Gary!
You might want to take a look at this article:
http://www.dxengineering.com/pdf/flagpole_antenna.pdf
<http://www.dxengineering.com/pdf/flagpole_antenna.pdf>
73

--- In ham-antennas@yahoogroups.com, Chris <kingsqueak@...> wrote:
>
> I would say an auto tuner at the feed point would have lower losses
> than tuning the feed line inside the shack.
>
> 'full size' coax as in 9913/lmr-400/213U would hide behind a gutter
> well, I wouldn't compromise with mini-8 there either.
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> The ground should be at the feed point as it is an RF ground in this
> situation. Get some fine wire and lay it out and tuck it into your
> lawn as well. Make yourself say 4 radials 1/4 wave at the lowest band
> you want to work as a minimum. It will help you out a lot. Radials
> for at least 40m and 20m would probably be a good idea and you would
> appreciate the effort vs the performance increase you will see.
>
> There's always the Steppir BigIR too, wonder if you could get away
> with rigging some small plastic pulley and a small flag on one of
> those? ;-).
>
> Put the time in once and it will pay out for a long time.
>
> On Fri, Feb 22, 2008 at 10:09 AM, gary jamerson kf4cnm@... wrote:
> > Hello! Again,
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> > I forgot to include one other question. I have to check and see if I
> > can install a flag pole. Then i could run a antenna inside the
> > flag pole.
> >
> > I have a few questions on the flag pole antenna.
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> > 1.Does the grounding rod need to be near the base of the flag pole?
Or
> > can I have the grounding rod near the house? I think I might know
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> > answer. It would have to be near the base of the flag pole where the
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> > Thanks in advance for your help.
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>

[Non-text portions of this message have been removed]

4236. A Big Thank-you

Yahoo group: ham-antennas (2008)
Date: 2008-02-22 17:32:45 UTC
From: gary jamerson
Topic: 4236 Message: 4236

Hello To You All,

To the moderator of this group and to all who participate in this group. Thanks to all you for being Elmers to us who are learning each day about the amateur radio hobby. You have gone before us and are there to advice us on what to do and not to do. Thanks forgiving of your time to teach us and being there to help us with answers to our many questions. This is why this hobby is growing.

Thanks again to all of you.

Gary Jamerson
kf4cnm@...
73's

4237. Re: Want to build vertical

Yahoo group: ham-antennas (2008)
Date: 2008-02-22 18:16:42 UTC
From: Dave
Topic: 4222 Message: 4237

LOL! OK, I got it...small tree, not tall enough. Duh. I used to be in that situation, I *could* have remembered it!

One of my pals in California stuck a pole in a tree - or rather, paid someone to do it, as he's blind. That was 20 years ago. The tree has grown up past the pole and the antenna is now embedded in the tree. But he doesn't care, it's just his VHF/UHF antenna and he reaches the local repeaters fine.

73,

Dave W8NF

--- In ham-antennas@yahoogroups.com, "Callum M0MCX" <callum@...> wrote:
>
> Apologies to Dave, there should have been some smiley in that post.
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> Sorry.
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> Callum McCormick
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> >> Why are we strapping poles to trees
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> Because he wants to go higher!
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> > My tree is about 20 feet tall or so but i think i could go a few feet

> above the tree with the antenna without causing any concern from
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> I've got 20 gauge copperweld in the air right now at 40 feet high and
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> Dave W8NF
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> > Don't paint PVC, you're wasting your time (unless you use plastic
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> > all sorts). Suggest you use a 30 foot fishing pole blank and just
> shove it
> > that against the tree and hold in place with bungee straps or
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> > least as an experiment). In this country, I can get fishing poles
> for about
> > £20 ($40 dollars). In Europe, SpiderBeam do 18 meter (60 foot)
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> > fishing rod type technology verticals precisely for this. I have
the 12m
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> > Anyway, mildly helically wind some wire up it (seems to stop the wire
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> > That's the easy bit. Now you have a ground system to install. Start
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> > radials system on the go. There's a big choice out there and the
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> > Or.. Use the top of your fishing pole as the top of a doublet and
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> > ladder line up to the top with a tuner at the bottom (or in the
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>] On
> > Behalf Of pitbon
> > Sent: 21 February 2008 03:30
> > To: ham-antennas@yahoogroups.com
<mailto:ham-antennas%40yahoogroups.com>
> <mailto:ham-antennas%40yahoogroups.com>
> > Subject: [ham-antennas] Want to build vertical
> >
> >
> >
> > Ok I am really new to antenna building and I want to build a semi
> > hidden verical...low cost antenna.
> > The idea i have is to use some pvc and paint it camo and mount it to
> > the back side of a tree. My tree is about 20 feet tall or so but i
> > think i could go a few feet above the tree with the antenna without
> > causing any concern from neighbors or my HOA....I hope..
> >
> > Any suggestions or web links someone might have would be awesome.
> >
> > What i would like is a minimum of 20 meters since i am studying for my
> > General ticket. I have a dipole that i cn tune in somne 40 and 20
> > meters but i would like to pull the signals in better and was hoping a
> > vertical might do that.
> >
> > I have a length (125ft) of RG213 that a fellow Ham friend gave me so
> > I'm good there, Should I buy an antenna or can i make one fairly
> > cheap...(i hope).
> >
> > Thanks for any and all help it will all be considered!
> >
> > Bonner KJ4BKK
> >
> >
> >
> >
> >
> > [Non-text portions of this message have been removed]
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> [Non-text portions of this message have been removed]
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> [Non-text portions of this message have been removed]
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4238. Re: Rig cutting off when I transmit on SSB - Update

Yahoo group: ham-antennas (2008)
Date: 2008-02-22 18:58:39 UTC
From: Jonathan Helis KB5IAV
Topic: 4162 Message: 4238

> 2c. Re: Rig cutting off when I transmit on SSB - Update
> Posted by: "danny garvin" grailknight_2@... wb9rim
> Date: Sun Feb 17, 2008 10:04 am ((PST))
>
> Have you tried monitoring the voltage from you power supply while you transmit?

I just got around to trying that. I monitored the voltage from the power supply using a multimeter. While just listening, the power supply is at either 13.83 or 13.81 volts but when I transmit on lower power, the voltage drops slightly and when it cuts out, the meter registers a drop too.

Definitely looking like a power problem for sure. I also monitored the voltage coming out of my AC outlet and it drops slightly too when transmitting.

Definitely looks like a power issue.

--
73,

Jonathan Helis, KB5IAV
Baton Rouge, Louisiana, USA

4239. Hamstick antenna

Yahoo group: ham-antennas (2008)
Date: 2008-02-22 21:39:16 UTC
From: davidnapier2
Topic: 4239 Message: 4239

I have a Tentec Scout model 555 and just bought a Hamstick for 20m,my question is this,what is best way to tune the antenna to desired freq.? i've tried doing it the way instructions that came with antenna,said to do it,by sliding the whip up or down,but cannot find proper setting to get resonate freq. SWR goes off scale!! Any help[would be sincerly appreciated!!! David/KA4ZUC

PS.The hamstick is not mounted mobile,ive mounted it outside my window.

4240. Re: Hamstick antenna

Yahoo group: ham-antennas (2008)
Date: 2008-02-22 21:44:53 UTC
From: Richard Zolla
Topic: 4239 Message: 4240

Hi David,

Normally the automobile body would be the counterpoise for that type of antenna. What are you using for a counterpoise?

Rick N6NKN

--- In ham-antennas@yahoogroups.com, "davidnapier2" <davidnapier2@...> wrote:
>
> I have a Tentec Scout model 555 and just bought a Hamstick for 20m,my
> question is this,what is best way to tune the antenna to desired freq.?
> i've tried doing it the way instructions that came with antenna,said to
> do it,by sliding the whip up or down,but cannot find proper setting to
> get resonate freq. SWR goes off scale!! Any help[would be sincerly
> appreciated!!! David/KA4ZUC
>
>
> PS.The hamstick is not mounted mobile,ive mounted it outside my window.
>

4241. Re: [ham-antennas] Hamstick antenna

Yahoo group: ham-antennas (2008)
Date: 2008-02-22 21:59:35 UTC
From: Mark, KJ7BS
Topic: 4239 Message: 4241

You really need to tune it where it will be mounted for operations. I'm not ssurprised you are having a difficult time tuning the Hamstick. It needs an image plane to work against (the other half of the antenna).

If you plan to use it mobile, then tune the Hamstick on the vehicle. The Hamstick uses the vehicle as the image plane (ground plane/radial/counterpoise).

If you plan to leave the Hamstick outside your window, you should add a tuned radial before attempting to tune the antenna.

If you switch between fixed and mobile operation, you will need to re-tune the antenna for that image plane.

Stop by the website of Alan K0BG http://www.k0bg.com , who is considered the leading authority in mobile operation and mobile antenna operations, and read about Antenna Efficency and Antenna Matching.
--
Mark, KJ7BS
Glendale, AZ
Editor, The SKCC Centurion
Elecraft K2 S/N 0539
Fists # 2972 CC 1806
SKCC # 2240 C56 T20
MQFD # 128
QRP-ARCI # 12647
AZ ScQRPions
COGRC Emergency Communications
---- davidnapier2 <davidnapier2@...> wrote:

==========
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PS.The hamstick is not mounted mobile,ive mounted it outside my window.

--
Mark, KJ7BS
Glendale, AZ
Editor, The SKCC Centurion
Elecraft K2 S/N 0539
Fists # 2972 CC 1806
SKCC # 2240 C56 T20
MQFD # 128

QRP-ARCI # 12647
AZ ScQRPions
COGRC Emergency Communications

4242. Wattmeters and SWR Bridges FS

Yahoo group: ham-antennas (2008)
Date: 2008-02-23 00:35:57 UTC
From: Ken Simpson, W8EK
Topic: 3588 Message: 4242

Wattmeters and SWR Bridges For Sale:

Daiwa CN-520 "Cross needle" Wattmeter
This wattmeter does it all. It covers from 1.8 to 60 MHz, which means this one meter will measure power on all HF ham frequencies, plus six meters. It would be ideal for some of the new multiband rigs that have 1.8 to 55 MHz coming from one antenna connector, and 2 meters and 440 MHz from a separate connector. It has 2 power scales of 2000, and 200 watts on forward power, and 400 or 40 watts reflected, and uses a nice cross needle meter to read both forward and reflected power at the same time, with a cross scale for SWR. It works great, and looks OK also. $50

Heath HM-102 HF wattmeter.
Covers 1.8 to 30 MHz, with 200 W and 2000 W full scale. It can also be used to check SWR, and has a remote sensor that can either be left inside the meter, or separated from the actual meter by about 3 feet. SO-239 connectors in and out. This particular meter works fine and is in good shape. With paper work included for $38.

Micronta 21-520 A, HF wattmeter with two large meters
This is an HF wattmeter that covers from 3 to 30 MHz, with full scale power readings of 10, 100, and 1000 watts. Two LARGE meters -- one reads forward power and one reads reflected power -- both at the same time. This gives the same info as some of the cross needle meters, but many people find it is easier to read.
It has a remote sensor, with about 3 feet of cable to connect to the meter itself.
This particular meter works fine, and looks very, very nice. $50

Heath HM-15 SWR Bridge
This unit matches the Heath SB (and also HW) line in styling. It is an SWR Bridge that covers from 160 thru 6 meters, with SO-239 connectors on the back. The front has the meter on the left, and two knobs to the right. It is the same size as the HD-15 phone patch. This one is in very nice shape.
Paper work included for $20.

Heath AM-2
This HF SWR Bridge matches the DX-40, although it can be used with any HF transmitter. It is about 8 inches

wide and 4.5 inches high, with the meter in the middle,
and a gray colored knob at each side near the bottom.
It covers 160 thru 2 meters and will handle full power.
This particular unit is in good shape.
Paper work is included for $18.

Midland 23-126
This SWR bridge has a single meter, and a switch to switch
between forward and reflected power. It can also be used for
a field strength meter. This one works fine, and looks great
also. $15

Archer Field Strength / SWR meter
This is a fairly generic HF SWR Bridge. It is in a nice
sloping panel enclosure with a wood grain finish. $10

Prices do not include shipping from Florida.

Thanks.

73,

Ken, W8EK

Ken Simpson
E-mail to W8EK@... or W8EK@...
Voice Phone (352) 732-8400

4243. Re: [ham-antennas] Wattmeters and SWR Bridges FS

Yahoo group: ham-antennas (2008)
Date: 2008-02-23 01:14:27 UTC
From: ktnjoepark@aol.com
Topic: 3588 Message: 4243

I will take the Heathkit AM-2 swr meter

Joe WB6AGR

In a message dated 2/22/2008 4:36:29 P.M. Pacific Standard Time,
W8EK@... writes:

Wattmeters and SWR Bridges For Sale:

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This wattmeter does it all. It covers from 1.8 to 60 MHz,
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440 MHz from a separate connector. It has 2 power
scales of 2000, and 200 watts on forward power, and
400 or 40 watts reflected, and uses a nice cross needle
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Archer Field Strength / SWR meter
This is a fairly generic HF SWR Bridge. It is in a nice
sloping panel enclosure with a wood grain finish. $10

Prices do not include shipping from Florida.

Thanks.

73,

Ken, W8EK

Ken Simpson
E-mail to _W8EK@speakeasy.W8E_ (mailto:W8EK@...) or
_W8EK@..._ (mailto:W8EK@...)
Voice Phone (352) 732-8400

**********Ideas to please picky eaters. Watch video on AOL Living.
(http://living.aol.com/video/how-to-please-your-picky-eater/rachel-campos-duffy/
2050827?NCID=aolcmp00300000002598)

[Non-text portions of this message have been removed]

4244. RE: [ham-antennas] A Big Thank-you

Yahoo group: ham-antennas (2008)
Date: 2008-02-23 12:28:29 UTC
From: Callum M0MCX
Topic: 4236 Message: 4244

Gary,

It's a life-time of learning which is what makes it great fun.

The trick is to build lots of stuff and keep playing. Most of my antennas didn't work as planned. You soon learn!

This weekend, I'm trying a 40 foot fibreglass whip in the garden with 8 elevated radials 7 feet above ground fed with an SG-230 Smartuner. It's not working too badly!

Just get some reels of copper wire and start right now :)

Callum McCormick

http://www.m0mcx.co.uk/

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of gary jamerson
Sent: 22 February 2008 17:33
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] A Big Thank-you

Hello To You All,

To the moderator of this group and to all who participate in this group. Thanks to all you for being Elmers to us who are learning each day about the amateur radio hobby. You have gone before us and are there to advice us on what to do and not to do. Thanks forgiving of your time to teach us and being there to help us with answers to our many questions. This is why this hobby is growing.

Thanks again to all of you.

Gary Jamerson
kf4cnm@... <mailto:kf4cnm%40yahoo.com>
73's

[Non-text portions of this message have been removed]

4245. Re: Windom Antenna Question, G5RV Antenna

Yahoo group: ham-antennas (2008)
Date: 2008-02-23 17:55:54 UTC
From: Brian Hall
Topic: 4230 Message: 4245

I would second the nomination of a loop antenna w/wide range tuner...SGC Models are great, but expensive.

I would also recommend placing it outdoors. If you trace the eaves and outline of your roofline including the peaks at either end, you can add more wire than otherwise. You can route the antenna wire under the eaves, in the gutters, and even beneath shingles, so it's pretty stealthy...I installed my loop after Thanksgiving one year and everyone assumed I was hanging Christmas lights. The coax connection can be routed down a gutter downspout to a first floor or basement shack, or thru a vent pipe on the roof. In my installation, I had a PVC vent pipe very close to one corner of the roof and wrapped about 8 turns of coax around it before connecting to the antenna (to form a choke balun (it cured some RFI problems I was having in the shack).

Brian AC7NA

>
On Fri, Feb 22, 2008 at 9:30 AM, gary jamerson <kf4cnm@...> wrote:
> > Hello! To all,
> >
> > I live in a 2 story house In a subdivision that has antenna
> > restrictions. So my options are:
> > My attic is 10' to 20' high in different areas would it be safe
to use
> > these antennas? I just don't want to burn my house down.
> >
> > Windom Antenna Question:
> >
> > Is this antenna safe in a attic that is 10 to 20 ft. high in
> > different areas? I will also need to put it in a Z shape.
> >
> > G5RV Antenna Question:
> >
> > I have this antenna and I was planning to place it as an
inverted V
> > and the ends placed similar to a Z,but due to the slope of the
roof
> > it is not 50' long on either side of the slope. So the ends of
the
> > the antenna would have to trail off horizontally.
> >
> > Would appreciate any advice.
> >
> > Thanks.
> >

> > Gary J.
> >
> > kf4cnm@...
> >
> >
> >
> >
> >
> >
> > HAM ANTENNAS Anything and everything, tell us or ask questions.
Replies go to ALL 974 members (as of 11/07/07, and attachments are
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>

4246. BIG THANK YOU

Yahoo group: ham-antennas (2008)
Date: 2008-02-23 19:21:45 UTC
From: davidnapier2
Topic: 4246 Message: 4246

I TOO WANT TO SAY A "BIG THANK YOU"!!! TO ALL HERE THAT ARE SO WILLING TO HELP OTHERS!!! I'VE BEEN LICENSED SINCE 1982,BUT HAVE BEEN INACTIVE SINCE 1991,BUT NOW AM BACK!! JUST THE OPPOSITE ATTITUDE IS WHAT CAUSED ME TO GO INACTIVE!! THAT AMONG OTHER THINGS!!,AGAIN,MANY THANKS FOR THE HELP THAT IS BEING GIVEN HERE!! DAVID NAPIER/KA4ZUC

4247. Re: [ham-antennas] Re: Windom Antenna Question, G5RV Antenna

Yahoo group: ham-antennas (2008)
Date: 2008-02-23 22:57:30 UTC
From: Karl Moll
Topic: 4230 Message: 4247

Hi Brian,

Last October I did exactly what you described and got away with stringing my coated wire 16 ft up under the eaves all the way around my single story house. I then ran ladder line down the wall to the shack window. It connects to a 4:1 balun and I run a 3 ft cable through the window to the transceiver. I can get close to a 1:1 SWR on all the major bands The problem is, I can't get much of a signal coming in or going out. If anyone has thoughts I'd love to hear them. Right now the loop is pretty much useless!

Brian Hall wrote:
>
> I would second the nomination of a loop antenna w/wide range
> tuner...SGC Models are great, but expensive.
>
> I would also recommend placing it outdoors. If you trace the eaves
> and outline of your roofline including the peaks at either end, you
> can add more wire than otherwise. You can route the antenna wire
> under the eaves, in the gutters, and even beneath shingles, so it's
> pretty stealthy...I installed my loop after Thanksgiving one year and
> everyone assumed I was hanging Christmas lights. The coax connection
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> shack, or thru a vent pipe on the roof. In my installation, I had a
> PVC vent pipe very close to one corner of the roof and wrapped about
> 8 turns of coax around it before connecting to the antenna (to form a
> choke balun (it cured some RFI problems I was having in the shack).
>
> Brian AC7NA
>
> >
> On Fri, Feb 22, 2008 at 9:30 AM, gary jamerson <kf4cnm@...> wrote:
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[Non-text portions of this message have been removed]

4248. Re: [ham-antennas] Re: Windom Antenna Question, G5RV Antenna

Yahoo group: ham-antennas (2008)
Date: 2008-02-23 23:01:54 UTC
From: Chris
Topic: 4230 Message: 4248

How long is the loop?

What does it look like when you sweep it with an analyzer?

What bands have you tried it on?

You are hopefully aware that propagation is just horrible at this
stage of the sun spot cycle? It can be very hit or miss and if you
are timing your radio use at the wrong times these days it can be very
frustrating.

On Sat, Feb 23, 2008 at 5:57 PM, Karl Moll <km654@...> wrote:
> Hi Brian,
>
> Last October I did exactly what you described and got away with
> stringing my coated wire 16 ft up under the eaves all the way around my
> single story house. I then ran ladder line down the wall to the shack
> window. It connects to a 4:1 balun and I run a 3 ft cable through the
> window to the transceiver. I can get close to a 1:1 SWR on all the major
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> > > > I have this antenna and I was planning to place it as an
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> > > > Gary J.
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>

> > > > List owner: ham-antennas-owner@yahoogroups.com
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>

4249. vertical comparisons?

Yahoo group: ham-antennas (2008)
Date: 2008-02-23 23:57:37 UTC
From: W0DXZ@aol.com
Topic: 3186 Message: 4249

I live in Sun City AZ, and am going to put up a 40-10M vertical. I have to put it up at "gutter height", about 8 feet. right next to the house. Cannot ground mount it. And, it cannot need guy wires. So...
I was thinking of either the Hustler 4-BTV, with some radials running along my roof, not a big problem,
or
older R7,,, recommended by several friends. no radials needed at 8 feet. If I can find a used one, as they are no longer made.

Any recommendations for verticals, or comparisons of these two? given these parameters,, (mounted at 8 feet or so, and can't use/need guy wires, but radials on roof of house OK)

Bob W0DXZ
AZ

**********Ideas to please picky eaters. Watch video on AOL Living.
(http://living.aol.com/video/how-to-please-your-picky-eater/rachel-campos-duffy/2050827?NCID=aolcmp00300000002598)

[Non-text portions of this message have been removed]

4250. Re: [ham-antennas] Re: Windom Antenna Question, G5RV Antenna

Yahoo group: ham-antennas (2008)
Date: 2008-02-24 00:44:54 UTC
From: Karl Moll
Topic: 4230 Message: 4250

The loop is just under 200 ft long. I collected SWR data at 0.2 MHz intervals reading through the coax and balun without a tuner from 1.8 MHz to 30 MHz. SWR ranged from 13 down to 1.1 depending of course on frequency. Troughs were at 3.0, 6.4, 10.2, 16.6, 19.8, 23.6, 29.4 and 35.2 MHz and were all SWR 3.0 or less. The auto tuner on my Kenwood TS-440 easily tuned the amateur bands at 80 meters, 40m, 30m, 20m, 17m, 15m, 12m, and 10 meters! I have the data in a spread sheet. email me directly and I'll send you a copy.

Chris wrote:
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> What bands have you tried it on?
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4251. Re: [ham-antennas] Re: Windom Antenna Question, G5RV Antenna

Yahoo group: ham-antennas (2008)
Date: 2008-02-24 01:13:02 UTC
From: Chris
Topic: 4230 Message: 4251

Ah o.k. interesting.

Just from what you stated, the low points are falling sort of out of
the bands. You could try adding some more wire or trimming it a bit
shorter.

That length of wire in rough numbers should work quite nicely 40m and
up and at least load for 80m regional.

Take a look at this calculator and see what the figures tell you.

http://ka1fsb.home.att.net/loopcalc.html

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Yahoo group: ham-antennas (2008)
Date: 2008-02-24 03:05:49 UTC
From: Karl Moll
Topic: 4230 Message: 4252

OK, but what should it tell me? As long as my auto tuner can get the SWR
below 1.5 I should be OK, no?

Chris wrote:
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4253. Re: [ham-antennas] Re: Windom Antenna Question, G5RV Antenna

Yahoo group: ham-antennas (2008)
Date: 2008-02-24 03:55:50 UTC
From: Chris
Topic: 4230 Message: 4253

That is sort of correct.

With coax feeding a balun, if you can get the antenna system to have the best SWR possible on the bands you want to work without using the tuner, you will have better efficiency.

High SWR with coax feeds means losses in the feed line.

If you were feeding that loop with ladder or window line directly using a balanced tuner, you would have an even more efficient system as the losses are FAR lower with balanced feed line vs coax.

Roughly, I think your loop works out to be a full wave on 5.025Mhz if I recall what the calculator was telling me. That's sort of in-between the way it falls in the ham bands. Your tuner will make your radio happy feeding that load, but that doesn't mean it's necessarily an efficient system.

Another example, though far more extreme, my mobile uses an auto tuner and basically a CB whip as an antenna. I can get a tuner match for 80m with that configuration so the radio is happy to transmit into that load. By the time all the losses hit, with my 100W radio I'd be lucky to have 5W ERP.

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4254. Re: [ham-antennas] Re: Windom Antenna Question, G5RV Antenna

Yahoo group: ham-antennas (2008)
Date: 2008-02-24 15:27:17 UTC
From: Karl Moll
Topic: 4230 Message: 4254

Thanks. I understand.

But since I'm only using 3 ft of coax, doesn't that mean my losses would be very small indeed? I run my ladder line all the way to the shack window and only then through a balun to the coax and in to the transceiver. Regarding the match, I did check my data again and I get the following SWR values at the center of each of the ham bands: 1.9 MHz SWR=25, 3.8 MHz SWR=6.8, 7.2 MHz SWR=14.0, 14.2 MHz SWR=6.9, 21.2 MHz SWR=7.5, 29.0 MHz SWR=6.5. That's with the balun and 3 ft of coax in place. All of these by the way are easily handled by my auto tuner. Lastly, yes my loop is resonant at around 5MHz, which I could adjust by adding or trimming. Since its tacked up under the eaves, it would be a pain to adjust, but it could be done. At best however, I could only trim it to match one frequency on one ham band. That does nothing for the efficiency on the other bands right?

I'm really happy to be getting some insights from you. I appreciate it.

Chris wrote:
>
> That is sort of correct.
>
> With coax feeding a balun, if you can get the antenna system to have
> the best SWR possible on the bands you want to work without using the
> tuner, you will have better efficiency.
>
> High SWR with coax feeds means losses in the feed line.
>
> If you were feeding that loop with ladder or window line directly
> using a balanced tuner, you would have an even more efficient system
> as the losses are FAR lower with balanced feed line vs coax.
>
> Roughly, I think your loop works out to be a full wave on 5.025Mhz if
> I recall what the calculator was telling me. That's sort of
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> > > > >
> > > > >
> > > > >
> > > > > HAM ANTENNAS Anything and everything, tell us or ask questions.
> > > Replies go to ALL 974 members (as of 11/07/07, and attachments are NOT
> > > permitted.
> > > > Post message: ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>

> > > <mailto:ham-antennas%40yahoogroups.com>
> > > > Subscribe: ham-antennas-subscribe@yahoogroups.com
> <mailto:ham-antennas-subscribe%40yahoogroups.com>
> > > <mailto:ham-antennas-subscribe%40yahoogroups.com>
> > > > Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> <mailto:ham-antennas-unsubscribe%40yahoogroups.com>
> > > <mailto:ham-antennas-unsubscribe%40yahoogroups.com>
> > > > List owner: ham-antennas-owner@yahoogroups.com
> <mailto:ham-antennas-owner%40yahoogroups.com>
> > > <mailto:ham-antennas-owner%40yahoogroups.com>
> > > >
> > > > Yahoo! Groups Links
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> > HAM ANTENNAS Anything and everything, tell us or ask questions.
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> <mailto:ham-antennas%40yahoogroups.com>
> > Subscribe: ham-antennas-subscribe@yahoogroups.com
> <mailto:ham-antennas-subscribe%40yahoogroups.com>
> > Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> <mailto:ham-antennas-unsubscribe%40yahoogroups.com>
> > List owner: ham-antennas-owner@yahoogroups.com
> <mailto:ham-antennas-owner%40yahoogroups.com>
> >
> > Yahoo! Groups Links
> >
> >
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> >
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>

[Non-text portions of this message have been removed]

4255. Force 12 Flagpole Antenna

Yahoo group: ham-antennas (2008)
Date: 2008-02-24 23:36:15 UTC
From: gary jamerson
Topic: 4255 Message: 4255

Hello,

Has anybody used a Force 12 Flagpole antenna? Would you recommend it for a stealth antenna in a covenant restricted subdivision?

Thanks for your comments on this antenna.

Gary J.
kf4cnm@...

4259. 10 meter sky loop

Yahoo group: ham-antennas (2008)
Date: 2008-02-25 13:11:28 UTC
From: Raymond Lucier
Topic: 4259 Message: 4259

thinking of putting up 10 meter sky loop, any and all pros and cons
would be appreciated.
thanks n1plc

4260. Re: 10 meter sky loop

Yahoo group: ham-antennas (2008)
Date: 2008-02-25 17:05:56 UTC
From: Paul
Topic: 4259 Message: 4260

A "Sky Loop" is a full wave loop and would be directional straight up. This is great for NVIS operation at or just below the critical frequency (ususally somewhere between 4 and 12 MHz).

On 10 Meters this would be great for receiving "mode A" satalites but would not be so great for terrestial communications.

Better for earth bound communications would be a 1/2 wave loop. Thsi wld be an omni-directional antenna with a radiation pattern similar to that of a "Halo".

Paul - K9ERG

--- In ham-antennas@yahoogroups.com, "Raymond Lucier" <n1plc@...> wrote:
>
> thinking of putting up 10 meter sky loop, any and all pros and cons
> would be appreciated.
> thanks n1plc
>

[Non-text portions of this message have been removed]

4261. Re: 10 meter sky loop

Yahoo group: ham-antennas (2008)
Date: 2008-02-25 17:17:44 UTC
From: ke4nu_7
Topic: 4259 Message: 4261

--- In ham-antennas@yahoogroups.com, "Paul" <paul_c_g@...> wrote:
>
>
>Small as a 10 meter loop would be why not mount it vertical, it would
be bidirectional. I had one for 40 meters up once and worked really
well..73, Alan
>
>
>
>
> --- In ham-antennas@yahoogroups.com, "Raymond Lucier" <n1plc@> wrote:
> >
> > thinking of putting up 10 meter sky loop, any and all pros and cons
> > would be appreciated.
> > thanks n1plc
> >
>
>
>
>
> [Non-text portions of this message have been removed]
>

4262. RE: [ham-antennas] Re: 10 meter sky loop

Yahoo group: ham-antennas (2008)
Date: 2008-02-25 17:21:47 UTC
From: Callum M0MCX
Topic: 4259 Message: 4262

I recently discovered that vertical delta-loops need a good close ground, just like a vertical - I tried a vertical square loop in my attic once for 10m and it was hopeless. It should have been mounted closer to the ground - and then it defeated the object.

Callum McCormick

http://www.m0mcx.co.uk/

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of ke4nu_7
Sent: 25 February 2008 17:18
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: 10 meter sky loop

--- In ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
, "Paul" <paul_c_g@...> wrote:
>
>
>Small as a 10 meter loop would be why not mount it vertical, it would
be bidirectional. I had one for 40 meters up once and worked really
well..73, Alan
>
>
>
>
> --- In ham-antennas@yahoogroups.com
<mailto:ham-antennas%40yahoogroups.com> , "Raymond Lucier" <n1plc@> wrote:
> >
> > thinking of putting up 10 meter sky loop, any and all pros and cons
> > would be appreciated.
> > thanks n1plc
> >
>
>
>
>
> [Non-text portions of this message have been removed]
>

[Non-text portions of this message have been removed]

4263. RE: [ham-antennas] Re: 10 meter sky loop

Yahoo group: ham-antennas (2008)
Date: 2008-02-25 17:41:41 UTC
From: Callum M0MCX
Topic: 4259 Message: 4263

Agreed. Don't do it. I have prepared a plot for you to compare 10m loop -vs- 10m dipole, both at 8 meters (25 feet or so).

The dipole will give you up to 6.5dbi gain off the sides, the loop would give you diddly-squat - RF mostly goes up. The higher the loop, the worse it gets actually.

I'm modelling a Halo style antenna right now which is half the size than a loop but a sort of omni-directional dipole.... Hang on and I'll send you the dimensions...

Callum McCormick

http://www.m0mcx.co.uk/

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Paul
Sent: 25 February 2008 17:06
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: 10 meter sky loop

A "Sky Loop" is a full wave loop and would be directional straight up. This is great for NVIS operation at or just below the critical frequency (ususally somewhere between 4 and 12 MHz).

On 10 Meters this would be great for receiving "mode A" satalites but would not be so great for terrestial communications.

Better for earth bound communications would be a 1/2 wave loop. Thsi wld be an omni-directional antenna with a radiation pattern similar to that of a "Halo".

Paul - K9ERG

--- In ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
, "Raymond Lucier" <n1plc@...> wrote:
>
> thinking of putting up 10 meter sky loop, any and all pros and cons
> would be appreciated.
> thanks n1plc
>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

4264. RE: [ham-antennas] Re: 10 meter sky loop

Yahoo group: ham-antennas (2008)
Date: 2008-02-25 17:45:48 UTC
From: Callum M0MCX
Topic: 4259 Message: 4264

(Forget the halo - I'm getting a low impedance which you'd have to match to [15 ohms]. Dipole matches to Cox a lot easier!)

Callum McCormick

http://www.m0mcx.co.uk/

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Callum M0MCX
Sent: 25 February 2008 17:42
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Re: 10 meter sky loop

Agreed. Don't do it. I have prepared a plot for you to compare 10m loop -vs- 10m dipole, both at 8 meters (25 feet or so).

The dipole will give you up to 6.5dbi gain off the sides, the loop would give you diddly-squat - RF mostly goes up. The higher the loop, the worse it gets actually.

I'm modelling a Halo style antenna right now which is half the size than a loop but a sort of omni-directional dipole.... Hang on and I'll send you the dimensions...

Callum McCormick

http://www.m0mcx.co.uk/

From: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com> [mailto:ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>] On
Behalf Of Paul
Sent: 25 February 2008 17:06
To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
Subject: [ham-antennas] Re: 10 meter sky loop

A "Sky Loop" is a full wave loop and would be directional straight up. This is great for NVIS operation at or just below the critical frequency (ususally somewhere between 4 and 12 MHz).

On 10 Meters this would be great for receiving "mode A" satalites but would not be so great for terrestial communications.

Better for earth bound communications would be a 1/2 wave loop. Thsi wld be an omni-directional antenna with a radiation pattern similar to that of a "Halo".

Paul - K9ERG

--- In ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
<mailto:ham-antennas%40yahoogroups.com>
, "Raymond Lucier" <n1plc@...> wrote:
>
> thinking of putting up 10 meter sky loop, any and all pros and cons
> would be appreciated.
> thanks n1plc
>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

4265. Re: vertical comparisons?

Yahoo group: ham-antennas (2008)
Date: 2008-02-25 23:01:14 UTC
From: ash_lee52
Topic: 3186 Message: 4265

Have a look at the TW-2010 (www.twantennas.com) or the Force 12 Sigma 5 (www.force12inc.com) These are both about 10 feet high, work 20-10 meters and need no radials. Both are very high performance. I have both and prefer the TW-2010. See reviews for both on eHam in the portable and vertical sections.

WW0AL

--- In ham-antennas@yahoogroups.com, W0DXZ@... wrote:
>
> I live in Sun City AZ, and am going to put up a 40-10M vertical. I have to
> put it up at "gutter height", about 8 feet. right next to the house.
> Cannot ground mount it. And, it cannot need guy wires. So...
> I was thinking of either the Hustler 4-BTV, with some radials running
> along my roof, not a big problem,
> or
> older R7,,, recommended by several friends. no radials needed at 8 feet.
> If I can find a used one, as they are no longer made.
>
> Any recommendations for verticals, or comparisons of these two? given these
> parameters,, (mounted at 8 feet or so, and can't use/need guy wires, but
> radials on roof of house OK)
>
> Bob W0DXZ
> AZ
>
>
>
> **********Ideas to please picky eaters. Watch video on AOL Living.
> (http://living.aol.com/video/how-to-please-your-picky-eater/rachel-campos-duffy/
> 2050827?NCID=aolcmp00300000002598)
>
>
> [Non-text portions of this message have been removed]
>

4266. Re: vertical comparisons?

Yahoo group: ham-antennas (2008)
Date: 2008-02-25 23:01:28 UTC
From: ash_lee52
Topic: 3186 Message: 4266

Have a look at the TW-2010 (www.twantennas.com) or the Force 12 Sigma 5 (www.force12inc.com) These are both about 10 feet high, work 20-10 meters and need no radials. Both are very high performance. I have both and prefer the TW-2010. See reviews for both on eHam in the portable and vertical sections.

WW0AL

--- In ham-antennas@yahoogroups.com, W0DXZ@... wrote:
>
> I live in Sun City AZ, and am going to put up a 40-10M vertical. I have to
> put it up at "gutter height", about 8 feet. right next to the house.
> Cannot ground mount it. And, it cannot need guy wires. So...
> I was thinking of either the Hustler 4-BTV, with some radials running
> along my roof, not a big problem,
> or
> older R7,,, recommended by several friends. no radials needed at 8 feet.
> If I can find a used one, as they are no longer made.
>
> Any recommendations for verticals, or comparisons of these two? given these
> parameters,, (mounted at 8 feet or so, and can't use/need guy wires, but
> radials on roof of house OK)
>
> Bob W0DXZ
> AZ
>
>
>
> **********Ideas to please picky eaters. Watch video on AOL Living.
> (http://living.aol.com/video/how-to-please-your-picky-eater/rachel-campos-duffy/
> 2050827?NCID=aolcmp00300000002598)
>
>
> [Non-text portions of this message have been removed]
>

4267. Re: 10 meter sky loop

Yahoo group: ham-antennas (2008)
Date: 2008-02-26 05:58:00 UTC
From: leonardo_da_vinci_nz
Topic: 4259 Message: 4267

I beg to differ. There are even a few Yahoo groups dedicated to the Skywire.

A horizontal loop can be a great performer but you want to make it at least one wavelength on the lowest band of operation. Then as the loop goes to multiple wavelength size you start to get lower angle. Not to forget that a (closed) loop has a lot less noise pickup, esp man-made.

If it is one wavelength then performance is about on par with a dipole as far as transmitting gain goes.

Never liked a vertical loop, neither these so called "interupted loops" which is actually a dipole folded into a square.

73
Marinus

4268. RE: [ham-antennas] Re: 10 meter sky loop

Yahoo group: ham-antennas (2008)
Date: 2008-02-26 09:27:45 UTC
From: Callum M0MCX
Topic: 4259 Message: 4268

Marinus,

Disagree. The poster wants to build a 10m loop, fullstop - not a skywire(!) with a large diameter. IT WILL NOT WORK.

I am also a member of skyloops and the only reliable one I have seen is a 5 corner, 85 feet high version that projects fantastic rf DX lobes for 10m but it's over 400 feet long. I have two sky loops and they are only good for low bands because I can't get them very high.

For 10m DX, he needs a dipole or a yagi. A vertical may work for him too.

C.

Callum McCormick

http://www.m0mcx.co.uk/

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of leonardo_da_vinci_nz
Sent: 26 February 2008 05:58
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: 10 meter sky loop

I beg to differ. There are even a few Yahoo groups dedicated to the Skywire.

A horizontal loop can be a great performer but you want to make it at least one wavelength on the lowest band of operation. Then as the loop goes to multiple wavelength size you start to get lower angle. Not to forget that a (closed) loop has a lot less noise pickup, esp man-made.

If it is one wavelength then performance is about on par with a dipole as far as transmitting gain goes.

Never liked a vertical loop, neither these so called "interupted loops" which is actually a dipole folded into a square.

73
Marinus

[Non-text portions of this message have been removed]

4269. G5RV

Yahoo group: ham-antennas (2008)
Date: 2008-02-26 11:40:15 UTC
From: Roland Stiner
Topic: 565 Message: 4269

I am having some issues with high SWR with my G5RV on 17 meters. I am using the internal antenna tuner on the 756PROIII and it can't tune it down. The radio will work but the LED keeps flashing and then the auto tuner shuts off. My question is, what is the best length of coax to use so that the SWR will be lower on 17? I am currently using 75 feet. All other bands tune with the tuner. My G5RV has the 102' flat top and 31' of 450 ladder line.

Roland Stiner, NK2U
nk2u@...
http;//www.nationsdial.com/nk2u

[Non-text portions of this message have been removed]

4270. Re: [ham-antennas] G5RV

Yahoo group: ham-antennas (2008)
Date: 2008-02-26 13:53:55 UTC
From: Leonard K. Pennock
Topic: 565 Message: 4270

17 is know as one of the problem bands for a G5RV. Adding coax will only trick the radio into thinking the SWR is lower as the coax loss will increase to attenuate the signal enough to appear as acceptable SWR. Since the 756 internal tuner is only rated for 3:1 SWR you could probably solve the issue by using an external tuner such as the LDG AT100.

Roland Stiner wrote:
> I am having some issues with high SWR with my G5RV on 17 meters. I am using the internal antenna tuner on the 756PROIII and it can't tune it down. The radio will work but the LED keeps flashing and then the auto tuner shuts off. My question is, what is the best length of coax to use so that the SWR will be lower on 17? I am currently using 75 feet. All other bands tune with the tuner. My G5RV has the 102' flat top and 31' of 450 ladder line.
>
> Roland Stiner, NK2U
> nk2u@...
> http;//www.nationsdial.com/nk2u
>

--
Leonard K. Pennock
AD7AS

Those who walk bravely through life, unafraid of loss or failure,
find that they very rarely lose or fail.

4271. Re: [SPAM] [ham-antennas] G5RV

Yahoo group: ham-antennas (2008)
Date: 2008-02-26 15:37:51 UTC
From: Bill Coulson
Topic: 565 Message: 4271

The instruction recommend at least 100' I think

Bill Coulson
Colville, WA

----- Original Message -----
From: Roland Stiner
To: ham-antennas@yahoogroups.com
Sent: Tuesday, February 26, 2008 3:40 AM
Subject: [SPAM] [ham-antennas] G5RV

I am having some issues with high SWR with my G5RV on 17 meters. I am using the internal antenna tuner on the 756PROIII and it can't tune it down. The radio will work but the LED keeps flashing and then the auto tuner shuts off. My question is, what is the best length of coax to use so that the SWR will be lower on 17? I am currently using 75 feet. All other bands tune with the tuner. My G5RV has the 102' flat top and 31' of 450 ladder line.

Roland Stiner, NK2U
nk2u@...
http;//www.nationsdial.com/nk2u

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

4272. Re: [ham-antennas] G5RV

Yahoo group: ham-antennas (2008)
Date: 2008-02-26 15:54:59 UTC
From: nk2u@nationsdial.com
Topic: 565 Message: 4272

Tricking the tuner would be good enough for me! I know
that when I had it at 50' I could get 17 but not 30, now
with 75' I gained 30 and lost 17. So where is the "sweet
spot" in the middle like 65'??? I put together some
jumpers (5' and 10') and will add them to the 50' to find
out this weekend. If I can shorten the coax that would be
great.

Roland, NK2U

On Tue, 26 Feb 2008 06:53:55 -0700
"Leonard K. Pennock" <leonardpennock@...> wrote:
>17 is know as one of the problem bands for a G5RV.
> Adding coax will
>only trick the radio into thinking the SWR is lower as
>the coax loss
>will increase to attenuate the signal enough to appear as
>acceptable
>SWR. Since the 756 internal tuner is only rated for 3:1
>SWR you could
>probably solve the issue by using an external tuner such
>as the LDG AT100.
>
>Roland Stiner wrote:
>> I am having some issues with high SWR with my G5RV on 17
>>meters. I am using the internal antenna tuner on the
>>756PROIII and it can't tune it down. The radio will work
>>but the LED keeps flashing and then the auto tuner shuts
>>off. My question is, what is the best length of coax to
>>use so that the SWR will be lower on 17? I am currently
>>using 75 feet. All other bands tune with the tuner. My
>>G5RV has the 102' flat top and 31' of 450 ladder line.
>>
>> Roland Stiner, NK2U
>> nk2u@...
>> http;//www.nationsdial.com/nk2u
>>
>
>
>--
>Leonard K. Pennock
>AD7AS
>
>Those who walk bravely through life, unafraid of loss or
>failure,

>find that they very rarely lose or fail.
>
>
>HAM ANTENNAS Anything and everything, tell us or ask
>questions. Replies go to ALL 974 members (as of 11/07/07,
>and attachments are NOT permitted.
>Post message: ham-antennas@yahoogroups.com
>Subscribe: ham-antennas-subscribe@yahoogroups.com
>Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
>List owner: ham-antennas-owner@yahoogroups.com
>
>Yahoo! Groups Links
>
>
>

4273. Re: [SPAM] [ham-antennas] G5RV

Yahoo group: ham-antennas (2008)
Date: 2008-02-26 15:56:23 UTC
From: nk2u@nationsdial.com
Topic: 565 Message: 4273

If 100' will do the trick, then I'll do that. Thanks.

Roland, NK2U

On Tue, 26 Feb 2008 07:37:51 -0800
"Bill Coulson" <wcoulson@...> wrote:
>The instruction recommend at least 100' I think
>
>Bill Coulson
>Colville, WA
>
>
> ----- Original Message -----
> From: Roland Stiner
> To: ham-antennas@yahoogroups.com
> Sent: Tuesday, February 26, 2008 3:40 AM
> Subject: [SPAM] [ham-antennas] G5RV
>
>
> I am having some issues with high SWR with my G5RV on
>17 meters. I am using the internal antenna tuner on the
>756PROIII and it can't tune it down. The radio will work
>but the LED keeps flashing and then the auto tuner shuts
>off. My question is, what is the best length of coax to
>use so that the SWR will be lower on 17? I am currently
>using 75 feet. All other bands tune with the tuner. My
>G5RV has the 102' flat top and 31' of 450 ladder line.
>
> Roland Stiner, NK2U
> nk2u@...
> http;//www.nationsdial.com/nk2u
>
> [Non-text portions of this message have been removed]
>
>
>
>
>
>[Non-text portions of this message have been removed]
>
>
>
>HAM ANTENNAS Anything and everything, tell us or ask
>questions. Replies go to ALL 974 members (as of 11/07/07,
>and attachments are NOT permitted.

>Post message: ham-antennas@yahoogroups.com
>Subscribe: ham-antennas-subscribe@yahoogroups.com
>Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
>List owner: ham-antennas-owner@yahoogroups.com
>
>Yahoo! Groups Links
>
>
>

4274. Re: 10 meter sky loop

Yahoo group: ham-antennas (2008)
Date: 2008-02-26 22:34:46 UTC
From: David Harvey
Topic: 4259 Message: 4274

>>> For 10m DX, he needs a dipole or a yagi. A
vertical may work for him too.

Yes, a vertical or a yagi would be best for 10m DX...
However, propagation is really terrible at the moment
and he is unlikely to make any DX contacts for some
months. His best bet would be using PSK-31 mode, but
even with PSK the chances of a 10m contact anywhere at
the moment are slim as anything.

73 de David, vk2dmh

4275. coil question

Yahoo group: ham-antennas (2008)
Date: 2008-02-26 23:01:48 UTC
From: ve3diz
Topic: 4275 Message: 4275

Has any one built the mobile antenna at
http://w5jgv.com//mobile_antenna/index.htm ?
I can't get a hold of the owner of the web site and I'm wondering if
the coils have a fixed rating in mH. If so it would be easy to
reproduce. Also if so, does anyone know how many mH the 80m, 40m and
20m coils are?
Matt, VE3DIZ

4276. Re: [ham-antennas] coil question

Yahoo group: ham-antennas (2008)
Date: 2008-02-27 09:30:52 UTC
From: N9WB
Topic: 4275 Message: 4276

This is a nice antenna design for operation from a fixed position. However, operation while moving is illegal in the US. The height limit above the road is 13'6". Besides getting the driver a fine, it can be dangerous as it can come in contact with electrical lines. It can damage telephone lines, cable TV lines and fiber optic lines. If the driver breaks a line that a business depends on, the person can be held libel for the loss of income for the down time. For example, it a gas station cannot make credit card transactions for two days you can be held libel for that amount.

On this last Christmas eve, a semi truck decided to use the county road past our house to avoid traffic. He apparently had a over height antenna because my phone and internet line were torn out. It was 4 days before service was restored.

If you run this on EZ-nec you will probably find that shortening the height above ground to 12 ft. will not reduce efficiency all that much.

The efficiency would be greatly improved if the coax shield were directly electrically connected to the vehicle roof.

Of course, if this antenna were mounted in such a way that it could fold down while traveling in an RV, it would make a great stationary antenna.

Vy 73, Walt N9WB
----- Original Message -----
From: ve3diz
To: ham-antennas@yahoogroups.com
Sent: Tuesday, February 26, 2008 6:01 PM
Subject: [ham-antennas] coil question

Has any one built the mobile antenna at
http://w5jgv.com//mobile_antenna/index.htm ?
I can't get a hold of the owner of the web site and I'm wondering if the coils have a fixed rating in mH. If so it would be easy to reproduce. Also if so, does anyone know how many mH the 80m, 40m and 20m coils are?
Matt, VE3DIZ

No virus found in this incoming message.
Checked by AVG Free Edition.
Version: 7.5.516 / Virus Database: 269.21.1/1299 - Release Date: 2/26/2008 9:08 AM

4277. Re: [ham-antennas] coil question

Yahoo group: ham-antennas (2008)
Date: 2008-02-27 16:37:58 UTC
From: NS5B@comcast.net
Topic: 4275 Message: 4277

Could this be mounted on a bumber, therefore, lowering the base about 4' maybe? Would that decrease the effectivness by too much? And adding a "pivot point" wouldn't be all that hard to add.

---------- Original message ----------
From: "N9WB" <n9wb@...>
This is a nice antenna design for operation from a fixed position. However, operation while moving is illegal in the US. The height limit above the road is 13'6". Besides getting the driver a fine, it can be dangerous as it can come in contact with electrical lines. It can damage telephone lines, cable TV lines and fiber optic lines. If the driver breaks a line that a business depends on, the person can be held libel for the loss of income for the down time. For example, it a gas station cannot make credit card transactions for two days you can be held libel for that amount.

On this last Christmas eve, a semi truck decided to use the county road past our house to avoid traffic. He apparently had a over height antenna because my phone and internet line were torn out. It was 4 days before service was restored.

If you run this on EZ-nec you will probably find that shortening the height above ground to 12 ft. will not reduce efficiency all that much.

The efficiency would be greatly improved if the coax shield were directly electrically connected to the vehicle roof.

Of course, if this antenna were mounted in such a way that it could fold down while traveling in an RV, it would make a great stationary antenna.

Vy 73, Walt N9WB
----- Original Message -----
From: ve3diz
To: ham-antennas@yahoogroups.com
Sent: Tuesday, February 26, 2008 6:01 PM
Subject: [ham-antennas] coil question

Has any one built the mobile antenna at
http://w5jgv.com//mobile_antenna/index.htm ?
I can't get a hold of the owner of the web site and I'm wondering if the coils have a fixed rating in mH. If so it would be easy to reproduce. Also if so, does anyone know how many mH the 80m, 40m and 20m coils are?
Matt, VE3DIZ

No virus found in this incoming message.
Checked by AVG Free Edition.
Version: 7.5.516 / Virus Database: 269.21.1/1299 - Release Date: 2/26/2008

9:08 AM

[Non-text portions of this message have been removed]

4278. Which edition or theory book of ANT do you recommend ?

Yahoo group: ham-antennas (2008)
Date: 2008-02-28 09:54:17 UTC
From: xperts88
Topic: 4278 Message: 4278

Hi I am Tim,AH2E,
I would like to learn antenna theory, to understand Smith Chart,
to understand how to use NEC program, and historical and new antenna
information. For example, Is the the 2008 edition of ARRL Antenna Book
is better than that of 2008 as a few of the editors changed?
I prefer to see the antennas for IOTA, DX pedition.light but effective
ones.73 Tim.

4279. Re: [ham-antennas] Which edition or theory book of ANT do you recommend ?

Yahoo group: ham-antennas (2008)
Date: 2008-02-28 13:42:52 UTC
From: N9WB
Topic: 4278 Message: 4279

1. Here is an interesting site I came across. It has interesting antenna links.

http://www.ac6v.com/antprojects.htm

2. Find any vintage of the ARRL antenna handbook. It will provide very useful information.

3. Any edition of the Radio Handbook by the late Bill Orr.

4. W4RNL http://www.cebik.com/radio.html

Also remember the following:

A. EH antennas are snake oil.
B. Isotrons are snake oil.
C. Any antenna that uses a resistor as a matching device is snake oil.

Vy 73, Walt N9WB

----- Original Message -----
From: xperts88
To: ham-antennas@yahoogroups.com
Sent: Thursday, February 28, 2008 4:54 AM
Subject: [ham-antennas] Which edition or theory book of ANT do you recommend ?

Hi I am Tim,AH2E,
I would like to learn antenna theory, to understand Smith Chart, to understand how to use NEC program, and historical and new antenna information. For example, Is the the 2008 edition of ARRL Antenna Book is better than that of 2008 as a few of the editors changed?
I prefer to see the antennas for IOTA, DX pedition.light but effective ones.73 Tim.

No virus found in this incoming message.
Checked by AVG Free Edition.
Version: 7.5.516 / Virus Database: 269.21.1/1301 - Release Date: 2/27/2008 8:35 AM

4280. Re: [ham-antennas] Which edition or theory book of ANT do you recommend ?

Yahoo group: ham-antennas (2008)
Date: 2008-02-28 15:03:44 UTC
From: trucken4peace@yahoo.com
Topic: 4278 Message: 4280

A. EH antennas are snake oil.
B. Isotrons are snake oil.
C. Any antenna that uses a resistor as a matching device is snake oil.

Snake oil? Depending on location, cc&r's, expectations, anything that radiates a signal will work. Even bedsprings, water pipes, or rain gutters. Yagis at 200 feet for some are just a dream. A good vertical at 20 feet will still work the world depending on conditions.

KE7JSL
John Hinshaw
Sent via BlackBerry from T-Mobile

4281. Re: Which edition or theory book of ANT do you recommend ?

Yahoo group: ham-antennas (2008)
Date: 2008-02-28 15:53:33 UTC
From: xperts88
Topic: 4278 Message: 4281

Hi Walt,
Thank you for your propmt reply to the point.
As you adivised,
AC6V,W4RNL,ARRL vintage handbook
and ARRL Hand book edited by Bill Orr OM W6SAI,
Every site or book has vast amount of antenna infomation.
I remember EH, Isotron, antenna with matching resistors
are snake oils.
I don't like a snakebite medicine.
How about an EH or a magnetic loop antenna which radiates very strong
magnetic field thinking it
exposures the neighbor apartment dwellers at living room?
EH or magnetic loop antenna is very useful but using in even 30W 30
minite on 10m or 40m SSB CW in the room or set it below the ceil some
friends experienced salivation or headache
dullness. The smaller or more convenient, the worse ....?
VY TNX GL OM Tim,

that put in the eBay sometimes,
-

4282. Re: Which edition or theory book of ANT do you recommend ?

Yahoo group: ham-antennas (2008)
Date: 2008-02-28 17:03:30 UTC
From: xperts88
Topic: 4278 Message: 4282

Hi John,□@I have been concerned CC&R strengh, as a apartment dweller.
So I had tried EH antenna from Jack W0KPH? radiate 20W at 5m apart from
next dwellers' living room. Made Isotron on 30,20,17,10 and other
stealth antennas and they depends on the situation to install them.
But I had lived lower floor unfortunately when the boss command to
move me to be the dweller. So such a small, companct antenna is not
safe or even for 100 to 200W use, these were my experiences.
So I use FRP Glassfiber fishing rod stealthy expand them out at
midnight and collapse them just after a sunrise.
Dipole is dipole and long wire is long wire though
It is not snail oil. the closer to full size the better we could get
more entities. Snake or Zigzag radial on the restricted lanai has
something capacitive link to the construction.
73 Tim,

```
>
> A. EH antennas are snake oil.
> B. Isotrons are snake oil.
> C. Any antenna that uses a resistor as a matching device is snake oil.
>
> Snake oil? Depending on location, cc&r's, expectations, anything
that radiates a signal will work. Even bedsprings, water pipes, or
rain gutters. Yagis at 200 feet for some are just a dream. A good
vertical at 20 feet will still work the world depending on conditions.
>
> KE7JSL
> John Hinshaw
> Sent via BlackBerry from T-Mobile
>
```

4283. Which edition or theory book of ANT do you recommend ?

Yahoo group: ham-antennas (2008)
Date: 2008-02-28 17:38:58 UTC
From: trucken4peace@yahoo.com
Topic: 4278 Message: 4283

Tim, my apology if I sounded off. I understand that many people either love or dislike one or another antenna for many reasons. Some people have had good luck with those antennas and I just wanted to be sure you didn't overlook them. Safety is and should be the number one consideration. If you are looking for a good anywhere antenna look at the ventenna HFp. They have adapters to use at just about any angle up to 40m. Easy setup/take down at night. Works well for me. 73

KE7JSL
John Hinshaw
Sent via BlackBerry from T-Mobile

4284. Re: Which edition or theory book of ANT do you recommend ?

Yahoo group: ham-antennas (2008)
Date: 2008-02-28 18:06:55 UTC
From: xperts88
Topic: 4278 Message: 4284

No problem John,
I am very helpful and won't overlook everything.
I just learn the theory because next to the small balconi
is the one's living to relieve.
Well please let me know the URL or some information
of Ventenna if it is effective one .
TU 73 Tim,

4285. Which edition or theory book of ANT do you recommend ?

Yahoo group: ham-antennas (2008)
Date: 2008-02-28 18:50:27 UTC
From: trucken4peace@yahoo.com
Topic: 4278 Message: 4285

Ventenna's website is http://www.ventenna.com/

Eham has several reviews at http://www.eham.net/reviews/
detail/2737

Cost isn't cheap. Basic setup is $195.

If you want all my set up info, email me off thread and I will give you more info. 73

trucken4peace@...
KE7JSL
John Hinshaw
Sent via BlackBerry from T-Mobile

4286. Re: [ham-antennas] Re: Which edition or theory book of ANT do you recommend ?

Yahoo group: ham-antennas (2008)
Date: 2008-02-28 17:43:15 UTC
From: Commander John
Topic: 4278 Message: 4286

These are opinions and should be taken as such. Some antenna work better than others.
john w9zy

>
> A. EH antennas are snake oil.
> B. Isotrons are snake oil.
> C. Any antenna that uses a resistor as a matching device is snake oil.

W9ZY
.... Commander John ....

[Non-text portions of this message have been removed]

4287. VERTICAL ANTENNA

Yahoo group: ham-antennas (2008)
Date: 2008-02-29 00:25:10 UTC
From: davidnapier2
Topic: 4147 Message: 4287

I WANT TO BUILD A 40M VERTICAL ANT. MY WUESTION IS THIS: HOW WOULD I CONNECT THE COAX TO ANT? DIRECTLY OR? WOULD I NEED A TUNING DEVICE CONNECTED TO ANT,THEN COAX TO TUNING DEVICE? ANY HELP WOULD BE GREATLY APPRECIATED!! DAVID NAPIER/KA4ZUC

4288. Re: [ham-antennas] VERTICAL ANTENNA

Yahoo group: ham-antennas (2008)
Date: 2008-02-29 00:28:39 UTC
From: Dan Schaaf
Topic: 4147 Message: 4288

Depends on the length of the antenna. If resonant and sufficient radials, no other tuning should be necessary. However, most people do not have the resources to install a full quarter wave vertical for 40 meters, so loading coils are installed to shorten the antenna. I have heard that top loading is best, but it also increases wind loading.

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com "In the Beginning, there was Spark Gap"

----- Original Message -----
From: davidnapier2
To: ham-antennas@yahoogroups.com
Sent: Thursday, February 28, 2008 7:25 PM
Subject: [ham-antennas] VERTICAL ANTENNA

I WANT TO BUILD A 40M VERTICAL ANT. MY WUESTION IS THIS: HOW WOULD I CONNECT THE COAX TO ANT? DIRECTLY OR? WOULD I NEED A TUNING DEVICE CONNECTED TO ANT,THEN COAX TO TUNING DEVICE? ANY HELP WOULD BE GREATLY APPRECIATED!! DAVID NAPIER/KA4ZUC

[Non-text portions of this message have been removed]

4289. All band Sterba

Yahoo group: ham-antennas (2008)
Date: 2008-02-29 01:40:13 UTC
From: leonardo_da_vinci_nz
Topic: 4289 Message: 4289

Is anyone running an all band Sterba? Opinions please?

http://www.hamuniverse.com/sturba.html

Thanks
Marinus

4290. RE: [ham-antennas] VERTICAL ANTENNA

Yahoo group: ham-antennas (2008)
Date: 2008-02-29 10:28:18 UTC
From: Callum M0MCX
Topic: 4147 Message: 4290

David,

(Your CAPS LOCK is stuck :)

You can just connect it directly with say a dipole centre. Make sure the "hot" centre goes up the radiating element and the shield goes to your radials. You can feed it directly assuming the following:

Feedpoint is 9 feet above ground

Radiating element is 10.1 meters long

2 x Radials are 10.1 meters long (I normally use 4 but honestly, for a tuned system, 2 will be sufficient)

Radials slope down to 3 feet above ground. Use nylon cord and tent pegs.

You will find that you will be extremely close to 1.5:1 across the band.

If you want this for the 7.2 to 7.3 section of the band, shorten everything to 10 meters and for final tuning, just fold back the radials an inch at a time until you get a perfect match. No need to take it down to change the vertical element.

That's the only design I know that will feed coax directly, see http://www.m0mcx.co.uk/?p=68

Regards,

Callum McCormick

http://www.m0mcx.co.uk/

[Non-text portions of this message have been removed]

4291. Re: [ham-antennas] VERTICAL ANTENNA

Yahoo group: ham-antennas (2008)
Date: 2008-02-29 11:31:33 UTC
From: N9WB
Topic: 4147 Message: 4291

What about the ground? I assume that you are going to have a vertical element around 32 ft 3 inches give or take. this would connect to the coax center.

drive a 10 ft. ground rod into the ground and then connect at least 4 10 ft radials to it. These can lay on the ground or be buried a couple of inches, whichever is practical. The coax shield will connect to the ground rod as well as the radials.

The more radials that you add, the better the performance.

With this design it is also possible to add a vertical element that is 1/4 wave for 20 meters.

The 40 meter vertical will be fairly close for 15 meters.

This is general information. Please tell us more about what you plan to do? Will the bottom end of the vertical be on the ground ? Will it be a metal element or wire ?

You can hang a 1/4 wave wire from a tree limb down to an stake with an insulator. Then place the ground described near the stake.You can add wires for different bands in parallel. Use 50 ohm coax.

A vertical will be better for DX than a dipole, but for distances under 800 miles, the dipole usually works better.

Please tell us more about what your goals are and your space requirements and trees or structures available.

Vy 73, Walt N9WB

----- Original Message -----
From: davidnapier2
To: ham-antennas@yahoogroups.com
Sent: Thursday, February 28, 2008 7:25 PM
Subject: [ham-antennas] VERTICAL ANTENNA

I WANT TO BUILD A 40M VERTICAL ANT. MY WUESTION IS THIS: HOW WOULD I CONNECT THE COAX TO ANT? DIRECTLY OR? WOULD I NEED A TUNING DEVICE CONNECTED TO ANT,THEN COAX TO TUNING DEVICE? ANY HELP WOULD BE GREATLY APPRECIATED!! DAVID NAPIER/KA4ZUC

No virus found in this incoming message.
Checked by AVG Free Edition.
Version: 7.5.516 / Virus Database: 269.21.1/1302 - Release Date: 2/27/2008 4:34 PM

4292. Re: [ham-antennas] Which edition or theory book of ANT do you recommend ?

Yahoo group: ham-antennas (2008)
Date: 2008-02-29 17:26:36 UTC
From: Wayne
Topic: 4278 Message: 4292

I knew a tech back in the 70's that would sometimes say "K2VBK on the bedsprins.".
He actually loaded the bedsprings with his 6 meter Gonset Communicator.
He was living in 3rd floor apartment at the time. He tried a whip mounted on he fire escape rail outside his window, but he bedsprings actually worked better for the weekly AM net...
If tapped just right, and a way to get a reasonable match can be done, many things can work as an antenna.
I am lucky that my limitations are in what I have available to mount an antenna on.
I may mount my six meter beam on a 20 foot telescoping mast like I had it before. Could also use the beam to watch a few of the TV stations.
A tower would be nice, but the only tower I have is shortened (pipe top that was bent and would have eventually snapped at the wrong time), and will have my repeater antenna mounted on it.
And a tower can be loaded in some cases, a matter of having the right parts and tapping where it will work best.

BTW, there were some hidden mobile antennas made that were almost Snake Oil...
YMMV

73 DE Wayne WA2YNE
Imperial, Tejas

On Thu, 28 Feb 2008 09:03:44 -0600, <trucken4peace@...> wrote:

> A. EH antennas are snake oil.
> B. Isotrons are snake oil.
> C. Any antenna that uses a resistor as a matching device is snake oil.
>
> Snake oil? Depending on location, cc&r's, expectations, anything that
> radiates a signal will work. Even bedsprings, water pipes, or rain
> gutters. Yagis at 200 feet for some are just a dream. A good vertical at
> 20 feet will still work the world depending on conditions.
>
> KE7JSL
> John Hinshaw
> Sent via BlackBerry from T-Mobile
>

--
Using Opera's revolutionary e-mail client: http://www.opera.com/mail/

4293. Re: Which edition or theory book of ANT do you recommend ?

Yahoo group: ham-antennas (2008)
Date: 2008-02-29 18:30:53 UTC
From: xperts88
Topic: 4278 Message: 4293

Thank you very much but I have no vent...
73! Tim,
m-antennas@yahoogroups.com, trucken4peace@... wrote:
>
> Ventenna's website is http://www.ventenna.com/
>

4294. Vertical Ant

Yahoo group: ham-antennas (2008)
Date: 2008-03-01 00:20:51 UTC
From: davidnapier2
Topic: 4294 Message: 4294

Hey guys!! many thanks for the info provided on the vertical ant for 40 meters,to futher explain: i wanted to place the vertical on the ground if possible,i have plenty of yard to work with,with two large trees also not too far from my house,i will be operating from the upstairs portion of my home,with window facing toward the area that i had in mind for the vertical,and that is also the side the trees are on.any further help that can be provided,wil,again,be greatly appreciated!!

p.s. Sorry about the caps!!,i guess because i have very bad vision,i think everbody does lol! i had stroke that left my vision badly damaged,i'm guilty of doing this at times,so just call my attention to it!! be no prob.!! 73's David Napier/Ka4zuc

4295. Re: [ham-antennas] VERTICAL ANTENNA

Yahoo group: ham-antennas (2008)
Date: 2008-03-01 04:35:48 UTC
From: Dave Oldridge
Topic: 4147 Message: 4295

On 29 Feb 2008 at 0:25, davidnapier2 wrote:

> I WANT TO BUILD A 40M VERTICAL ANT. MY WUESTION IS THIS: HOW
> WOULD I CONNECT THE COAX TO ANT? DIRECTLY OR? WOULD I NEED A
> TUNING DEVICE CONNECTED TO ANT,THEN COAX TO TUNING DEVICE? ANY
> HELP WOULD BE GREATLY APPRECIATED!! DAVID NAPIER/KA4ZUC

There are a number of questions you need to answer before you start. How big a vertical? Quarter wave? Half wave? 5/8 wave? Short monopole (less than quarter wave)?

How high do you propose to place the base? Ground mount? Raised?

How do you propse to feed it? Base fed? Center-fed (half wave only)?

If ground mounted, how much room do you have for radials? If raised, what kind of counterpoise will it need and do you have the room for it?

The answers to these wuestions will have a major effecton how you design your vertical antenna. You might also want to consider how many nearby sources of vertically-polarized noise you might have to contend with on receive. Sometimes a separate receive antenna that is horizontal will hear DX better than your vertical, even though the vertical is great on transmit. Some serious DX buffs use beverage antennas for receive on the power bands.

In quiet locations, with a decent ground system, I've had excellent luck with verticals on 40m. One installation's first test resulted in a CW contact from VE1 to VK6 long path with two hours of daylight left!

--

Dave Oldridge
ICQ 1800667
VA7CZ

4296. Re: [ham-antennas] Which edition or theory book of ANT do you recommend ?

Yahoo group: ham-antennas (2008)
Date: 2008-03-01 04:35:48 UTC
From: Dave Oldridge
Topic: 4278 Message: 4296

On 28 Feb 2008 at 15:03, trucken4peace@... wrote:

> A. EH antennas are snake oil.
> B. Isotrons are snake oil.
> C. Any antenna that uses a resistor as a matching device is
> snake oil.

C is clearly wrong. Many very cogent commercial and military HF installations have, for much of the history of radio, relied on terminated rhombics. Having used one on 60m CW myself many years ago, I have to say that they work very, very well.

The B&W broadband folded dipoles also work well above their "knee" frequency which is about where the length is a half wave.

It all depends how much of the transmitter's USEFUL (i.e. which would have been radiated in desirable directions without the resistor) gets absorbed in the termination.

In a properly designed terminated rhombic that can actually be negligible. In the B&W design it beomes reasonable above the knee frequency.

What ARE clearly snake oil are antennas that are simply very inefficient short radiators in parallel with a dummy load used to "match" them.

--

Dave Oldridge
ICQ 1800667
VA7CZ

4297. Re: Which edition or theory book of ANT do you recommend ?

Yahoo group: ham-antennas (2008)
Date: 2008-03-01 08:14:18 UTC
From: Doug
Topic: 4278 Message: 4297

Hi gang,

Want a good, to the point, antenna handbook?

Saw this Marine Corp Field Antenna Handbook online. Lots of good info, and an interesting read.

http://www.armymars.net/ArmyMARS/Antennas/Resources/usmc-antenna-hb.pdf

Got a chuckle out of a few comments in it too.

"In an emergency, a ground connection can be made by forcing one or more bayonets into the soil."

and a couple of the warnings...

"EXCESSIVE SIGNAL STRENGTH MAY RESULT IN ENEMY INTERCEPT AND INTERFERENCE OR IN YOUR INTERFERENCE WITH ADJACENT FREQUENCIES."

maybe they had 75 meters in mind...

"THE WIRE MUST BE PROTECTED SO THAT MARINES DO NOT WALK INTO IT. IT CARRIES ENOUGH RF ENERGY DURING TRANSMISSION TO CAUSE SEVERE INJURIES."

It's in PDF format, so it's easy to save a copy. I found it full of good 'just the facts Ma'am' info.

No fluff, no opinions, just what works.

As you were..

73
Doug - N8EPE

4298. Re: Which edition or theory book of ANT do you recommend ?

Yahoo group: ham-antennas (2008)
Date: 2008-03-01 17:09:42 UTC
From: catboat15@aol.com
Topic: 4278 Message: 4298

Never could get the bed springs to load up on my old "Benton Harbor Lunch Box" on six meters, but using a bent pin to hook to the window screen got some fairly good contacts. (that was back in the G.O.D. (Good Old Days) when window screens were copper mesh.)
John Meacham
k6suf

**********Ideas to please picky eaters. Watch video on AOL Living. (http://living.aol.com/video/how-to-please-your-picky-eater/rachel-campos-duffy/2050827?NCID=aolcmp00300000002598)

[Non-text portions of this message have been removed]

4299. Re: [ham-antennas] Vertical Ant

Yahoo group: ham-antennas (2008)
Date: 2008-03-02 08:47:27 UTC
From: N9WB
Topic: 4294 Message: 4299

If the limbs of the tree are high enough, You can use wires for the element of the vertical. Drive a stake into the ground below the tree. Cut a wire for 1/4 wave length for the band desired. Install an insulator at the top and bottom of this wire. Connect the bottom insulator to the stake and a rope to the top insulator. Hoist the wire up into the tree with the rope. If you think that the wire is going to touch the tree limbs on the way up, use insulated wire. It is best if it does not but not a serious problem.

Next to the stake drive a 10 ft. ground rod into the ground. To the top of this ground rod connect 4 or more radial wires to the ground rod. These can be laid on top of the ground or placed a few inches below the ground to accommodate mowing. In time add more ground radials as the more the better.

The coax center connects to the wire, the shield connects to the ground rod radial system.

Several vertical wires can be attached to the same point at the bottom for multi band operation. It is best if they slope away from each other slightly as they go up so they are at least a couple of feet away from other wires at the top. The slight slope will not have much affect on the non-directional pattern. The same ground system can be used for all bands.

The 40 meter wire will usually work for 15 meters. Fix the support ropes so the wires can be raised or lowered for tuning the wires.

If there is not enough tree height for say, 80 meters, raise the wire as high as possible and bend the remaining end horizontal or even down at a angle to accommodate the remaining length.

If this is intended to stay up for more than a year, use UV resistant rope s for the final installation.

Vy 73, Walt N9WB

----- Original Message -----
From: davidnapier2
To: ham-antennas@yahoogroups.com
Sent: Friday, February 29, 2008 7:20 PM
Subject: [ham-antennas] Vertical Ant

Hey guys!! many thanks for the info provided on the vertical ant for 40 meters,to futher explain: i wanted to place the vertical on the ground if possible,i have plenty of yard to work with,with two large trees also not too far from my house,i will be operating from the upstairs portion of my home,with window facing toward the area that i had in mind for the vertical,and that is also the side the trees are on.any further help that can be provided,wil,again,be greatly appreciated!!

p.s. Sorry about the caps!!,i guess because i have very bad vision,i think everbody does lol! i had stroke that left my vision badly damaged,i'm guilty of doing this at times,so just call my attention to it!! be no prob.!! 73's David Napier/Ka4zuc

4300. Re: Vertical Ant

Yahoo group: ham-antennas (2008)
Date: 2008-03-03 14:35:10 UTC
From: mike
Topic: 4294 Message: 4300

regarding support rope for the vertical antenna, i have been experimenting with an 80 meter horizontal dipole, about 136 feet long, with heavy rg 213 coax hanging unsupported from the center, and the entire system supported between two trees using .080 inch weed eater line. that plastic line is tough stuff, and handles the weight very well. just wear gloves while trying to pull up a lot of weight.
mike

[Non-text portions of this message have been removed]

4301. need an hf transceiver!!!!!!!!!

Yahoo group: ham-antennas (2008)
Date: 2008-03-03 14:41:15 UTC
From: shubhamforme
Topic: 4301 Message: 4301

hello everyone .... i want a hf transceiver which has a 20m or 14mhz
band or even more will do,,,,any brand and any model is accepted ,
even if its a qrp transceiver or home brewed..... .....

if any 1 intrested in selling then please contact me.....
i am in a desperate need of a hf transceiver. ....
regards
will make the payments through paypal or by cheque or by western union
money transfer.... ....

shubham tiwari
contact---
shubhamformeATyahoo .com

4302. Re: [ham-antennas] Re: Windom Antenna Question, G5RV Antenna

Yahoo group: ham-antennas (2008)
Date: 2008-03-03 23:55:24 UTC
From: Chris
Topic: 4230 Message: 4302

Sorry for the delay, I was out of town.

If you made it resonant for say 80m, it would fall more into the harmonics of other more common bands than having it resonant for roughly 60m. It would bring things to a better match on more bands.

Yeah if you have a very short coax jumper the losses are abated much more, so that isn't so bad.

I'm hardly an RF engineer, just got my call last April. I've just been doing a lot of research and tinkering, so take my advice with some salt too ;-).

On Sun, Feb 24, 2008 at 10:27 AM, Karl Moll <km654@...> wrote:
> Thanks. I understand.
>
> But since I'm only using 3 ft of coax, doesn't that mean my losses would
> be very small indeed? I run my ladder line all the way to the shack
> window and only then through a balun to the coax and in to the
> transceiver. Regarding the match, I did check my data again and I get
> the following SWR values at the center of each of the ham bands: 1.9
> MHz SWR=25, 3.8 MHz SWR=6.8, 7.2 MHz SWR=14.0, 14.2 MHz SWR=6.9, 21.2
> MHz SWR=7.5, 29.0 MHz SWR=6.5. That's with the balun and 3 ft of coax in
> place. All of these by the way are easily handled by my auto tuner.
> Lastly, yes my loop is resonant at around 5MHz, which I could adjust by
> adding or trimming. Since its tacked up under the eaves, it would be a
> pain to adjust, but it could be done. At best however, I could only trim
> it to match one frequency on one ham band. That does nothing for the
> efficiency on the other bands right?
>
> I'm really happy to be getting some insights from you. I appreciate it.
>
>
>
>
> Chris wrote:
> >
> > That is sort of correct.
> >
> > With coax feeding a balun, if you can get the antenna system to have
> > the best SWR possible on the bands you want to work without using the
> > tuner, you will have better efficiency.
> >
> > High SWR with coax feeds means losses in the feed line.
> >
> > If you were feeding that loop with ladder or window line directly

> > using a balanced tuner, you would have an even more efficient system
> > as the losses are FAR lower with balanced feed line vs coax.
> >
> > Roughly, I think your loop works out to be a full wave on 5.025Mhz if
> > I recall what the calculator was telling me. That's sort of
> > in-between the way it falls in the ham bands. Your tuner will make
> > your radio happy feeding that load, but that doesn't mean it's
> > necessarily an efficient system.
> >
> > Another example, though far more extreme, my mobile uses an auto tuner
> > and basically a CB whip as an antenna. I can get a tuner match for
> > 80m with that configuration so the radio is happy to transmit into
> > that load. By the time all the losses hit, with my 100W radio I'd be
> > lucky to have 5W ERP.
> >
> > At home I run a 102' doublet, which once was a G5RV. I cut the balun
> > off the bottom of the ladder line and just extended that 450Ohm window
> > line right into the shack to my manual tuner's balanced outputs. I
> > saw immediate signal report improvements. It works o.k. 80m through
> > 15m and loads up on 160m for almost the whole band...but on 160m I'm
> > really not radiating much of a signal because it is so far from
> > resonance.
> >
> > Someone smarter than me can jump in and give better loss figures in
> > detail possibly but in a nutshell that's basically what I understand
> > is going on here.
> >
>
>
> > On 2/23/08, Karl Moll <km654@... <mailto:km654%40sonic.net>> wrote:
> > > OK, but what should it tell me? As long as my auto tuner can get the SWR
> > > below 1.5 I should be OK, no?
> > >
> > >
> > > Chris wrote:
> > > >
> > > > Ah o.k. interesting.
> > > >
> > > > Just from what you stated, the low points are falling sort of out of
> > > > the bands. You could try adding some more wire or trimming it a bit
> > > > shorter.
> > > >
> > > > That length of wire in rough numbers should work quite nicely 40m and
> > > > up and at least load for 80m regional.
> > > >
> > > > Take a look at this calculator and see what the figures tell you.
> > > >
> > > > http://ka1fsb.home.att.net/loopcalc.html
> > <http://ka1fsb.home.att.net/loopcalc.html>
> > > > <http://ka1fsb.home.att.net/loopcalc.html

> > <http://ka1fsb.home.att.net/loopcalc.html>>
> > > >
> > > > On Sat, Feb 23, 2008 at 7:44 PM, Karl Moll <km654@...
> > <mailto:km654%40sonic.net>
> > >
> > > > <mailto:km654%40sonic.net>> wrote:
> > > > > The loop is just under 200 ft long. I collected SWR data at 0.2 MHz
> > > > > intervals reading through the coax and balun without a tuner
> > from 1.8
> > > > > MHz to 30 MHz. SWR ranged from 13 down to 1.1 depending of course on
> > > > > frequency. Troughs were at 3.0, 6.4, 10.2, 16.6, 19.8, 23.6,
> > 29.4 and
> > > > > 35.2 MHz and were all SWR 3.0 or less. The auto tuner on my Kenwood
> > > > > TS-440 easily tuned the amateur bands at 80 meters, 40m, 30m,
> > 20m, 17m,
> > > > > 15m, 12m, and 10 meters! I have the data in a spread sheet. email me
> > > > > directly and I'll send you a copy.
> > > > > >
> > > > > >
> > > > > Chris wrote:
> > > > > > >
> > > > > > > How long is the loop?
> > > > > > >
> > > > > > > What does it look like when you sweep it with an analyzer?
> > > > > > >
> > > > > > > What bands have you tried it on?
> > > > > > >
> > > > > > > You are hopefully aware that propagation is just horrible at this
> > > > > > > stage of the sun spot cycle? It can be very hit or miss and if you
> > > > > > > are timing your radio use at the wrong times these days it can
> > be very
> > > > > > > frustrating.
> > > > > > >
> > > > > > > On Sat, Feb 23, 2008 at 5:57 PM, Karl Moll <km654@...
> > <mailto:km654%40sonic.net>
> > > > > <mailto:km654%40sonic.net>
> > > > > >
> > > > > >
> > > > > > > <mailto:km654%40sonic.net>> wrote:
> > > > > > > > Hi Brian,
> > > > > > > >
> > > > > > > > Last October I did exactly what you described and got away with
> > > > > > > > stringing my coated wire 16 ft up under the eaves all the way
> > > > > around my
> > > > > > > > single story house. I then ran ladder line down the wall to the
> > > > > shack
> > > > > > > > window. It connects to a 4:1 balun and I run a 3 ft cable
> > > > > through the
> > > > > > > > window to the transceiver. I can get close to a 1:1 SWR on all
> > > > > the major

> > > > > > > bands The problem is, I can't get much of a signal coming in or
> > > > going
> > > > > > > out. If anyone has thoughts I'd love to hear them. Right now the
> > > > loop is
> > > > > > > pretty much useless!
> > > > > > >
> > > > > > >
> > > > > > >
> > > > > > >
> > > > > > >
> > > > > > > Brian Hall wrote:
> > > > > > >
> > > > > > > > I would second the nomination of a loop antenna w/wide range
> > > > > > > > tuner...SGC Models are great, but expensive.
> > > > > > >
> > > > > > > > I would also recommend placing it outdoors. If you trace
> > the eaves
> > > > > > > > and outline of your roofline including the peaks at either
> > > > end, you
> > > > > > > > can add more wire than otherwise. You can route the
> > antenna wire
> > > > > > > > under the eaves, in the gutters, and even beneath shingles, so
> > > > it's
> > > > > > > > pretty stealthy...I installed my loop after Thanksgiving one
> > > > year and
> > > > > > > > everyone assumed I was hanging Christmas lights. The coax
> > > > connection
> > > > > > > > can be routed down a gutter downspout to a first floor or
> > basement
> > > > > > > > shack, or thru a vent pipe on the roof. In my installation, I
> > > > had a
> > > > > > > > PVC vent pipe very close to one corner of the roof and wrapped
> > > > about
> > > > > > > > 8 turns of coax around it before connecting to the antenna (to
> > > > form a
> > > > > > > > choke balun (it cured some RFI problems I was having in the
> > > > shack).
> > > > > > >
> > > > > > > > Brian AC7NA
> > > > > > >
> > > > > > >
> > > > > > > > On Fri, Feb 22, 2008 at 9:30 AM, gary jamerson
> > <kf4cnm@...> wrote:
> > > > > > > > > Hello! To all,
> > > > > > >
> > > > > > > > > I live in a 2 story house In a subdivision that has
> > antenna
> > > > > > > > > restrictions. So my options are:
> > > > > > > > > My attic is 10' to 20' high in different areas would it be
> > > > safe

> > > > > > > > to use
> > > > > > > > > > these antennas? I just don't want to burn my house down.
> > > > > > > > > >
> > > > > > > > > > Windom Antenna Question:
> > > > > > > > > >
> > > > > > > > > > Is this antenna safe in a attic that is 10 to 20 ft.
> > high in
> > > > > > > > > > different areas? I will also need to put it in a Z shape.
> > > > > > > > > >
> > > > > > > > > > G5RV Antenna Question:
> > > > > > > > > >
> > > > > > > > > > I have this antenna and I was planning to place it as an
> > > > > > > > inverted V
> > > > > > > > > > and the ends placed similar to a Z,but due to the
> > slope of the
> > > > > > > > roof
> > > > > > > > > > it is not 50' long on either side of the slope. So the
> > ends of
> > > > > > > > the
> > > > > > > > > > the antenna would have to trail off horizontally.
> > > > > > > > >
> > > > > > > > > > Would appreciate any advice.
> > > > > > > > >
> > > > > > > > > > Thanks.
> > > > > > > > >
> > > > > > > > > > Gary J.
> > > > > > > > >
> > > > > > > > > > kf4cnm@...
> > > > > > > > >
> > > > > > > > >
> > > > > > > > >
> > > > > > > > >
> > > > > > > > >
> > > > > > > > >
> > > > > > > > > > HAM ANTENNAS Anything and everything, tell us or ask
> > > > questions.
> > > > > > > > Replies go to ALL 974 members (as of 11/07/07, and
> > attachments are
> > > > > > > NOT permitted.
> > > > > > > > > Post message: ham-antennas@yahoogroups.com
> > <mailto:ham-antennas%40yahoogroups.com>
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> > > > > > > > > > List owner: ham-antennas-owner@yahoogroups.com
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> > > > > > > Yahoo! Groups Links
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4303. Vertical Antenna

Yahoo group: ham-antennas (2008)
Date: 2008-03-04 00:36:10 UTC
From: davidnapier2
Topic: 4303 Message: 4303

I want to give a big thank you to all that gave me their input concerning building a 40m.vertical and also trouble i had with hamstick,especially the following: Mike.Walt/N9WB-Dave Oldridge/VA7CZ-Callum McCormick,Dan Schaaf/K3ZXL-Mark/KJ7BS-Rick/N6NKN-Scott Gillis/N3UJJ,And any others i might have missed!! now i will assimulate this information and get busy building my antennas!!!!73's David Napier/KA4ZUC

4304. Telrex Model Identification

Yahoo group: ham-antennas (2008)
Date: 2008-03-04 10:04:25 UTC
From: comtinker
Topic: 4304 Message: 4304

Hello to all. I am new here, please look over my mistakes.
I have a sort of a problem trying to ID a beam antenna. I don't have all the specs at the moment but maybe someone will know without all of them. The antenna has the name of Telrex on it and it's a 3 element beam with a boom just shy of 10 feet. The elements do not go through the boom. They are held in place with what appears to be bolt together insulators, which is what has the Telrex name on it. The shortest element is around 15 foot with the longest element around 17 foot. Each element has what I assume to be some sort of matching attached to it in a sort of loop that is attached to the boom.
Can anyone identify this antenna?
Thanks

4305. Re: [ham-antennas] Telrex Model Identification

Yahoo group: ham-antennas (2008)
Date: 2008-03-04 10:39:18 UTC
From: N9WB
Topic: 4304 Message: 4305

Would this by chance be a Telex KT-34 ?
See pictures at this link.

http://www.m2inc.com/products/kt/kt34/

If it is, it's a good antenna.

Vy 73, Walt N9WB

----- Original Message -----
From: comtinker
To: ham-antennas@yahoogroups.com
Sent: Tuesday, March 04, 2008 5:04 AM
Subject: [ham-antennas] Telrex Model Identification

Hello to all. I am new here, please look over my mistakes.
I have a sort of a problem trying to ID a beam antenna. I don't have all the specs at the moment but maybe someone will know without all of them. The antenna has the name of Telrex on it and it's a 3 element beam with a boom just shy of 10 feet. The elements do not go through the boom. They are held in place with what appears to be bolt together insulators, which is what has the Telrex name on it. The shortest element is around 15 foot with the longest element around 17 foot. Each element has what I assume to be some sort of matching attached to it in a sort of loop that is attached to the boom.
Can anyone identify this antenna?
Thanks

No virus found in this incoming message.
Checked by AVG Free Edition.
Version: 7.5.516 / Virus Database: 269.21.3/1307 - Release Date: 3/2/2008 3:59 PM

4306. Re: Telrex Model Identification

Yahoo group: ham-antennas (2008)
Date: 2008-03-04 10:53:40 UTC
From: comtinker
Topic: 4304 Message: 4306

No, that antenna is built a lot heavier in my opinion. I appreciate
the help though. If I can get a camera I will try to get some pics.

Thanks,
Scott

--- In ham-antennas@yahoogroups.com, "N9WB" <n9wb@...> wrote:
>
> Would this by chance be a Telex KT-34 ?
> See pictures at this link.
>
> http://www.m2inc.com/products/kt/kt34/
>
> If it is, it's a good antenna.
>
> Vy 73, Walt N9WB
>
> ----- Original Message -----
> From: comtinker
> To: ham-antennas@yahoogroups.com
> Sent: Tuesday, March 04, 2008 5:04 AM
> Subject: [ham-antennas] Telrex Model Identification
>
>
> Hello to all. I am new here, please look over my mistakes.
> I have a sort of a problem trying to ID a beam antenna. I don't
have
> all the specs at the moment but maybe someone will know without
all of
> them. The antenna has the name of Telrex on it and it's a 3 element
> beam with a boom just shy of 10 feet. The elements do not go
through
> the boom. They are held in place with what appears to be bolt
together
> insulators, which is what has the Telrex name on it. The shortest
> element is around 15 foot with the longest element around 17 foot.
> Each element has what I assume to be some sort of matching
attached to
> it in a sort of loop that is attached to the boom.
> Can anyone identify this antenna?
> Thanks
>
>
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3/2/2008
> 3:59 PM
>

4307. Re: [ham-antennas] Telrex Model Identification

Yahoo group: ham-antennas (2008)
Date: 2008-03-04 12:25:28 UTC
From: Vlincoln
Topic: 4304 Message: 4307

http://www.w4qcfmanuals.com/manualsT-TG.html

manuals for telrex beams here

van lincoln

At 10:04 3/4/2008 +0000, you wrote:

>Hello to all. I am new here, please look over my mistakes.
>I have a sort of a problem trying to ID a beam antenna. I don't have
>all the specs at the moment but maybe someone will know without all of
>them. The antenna has the name of Telrex on it and it's a 3 element
>beam with a boom just shy of 10 feet. The elements do not go through
>the boom. They are held in place with what appears to be bolt together
>insulators, which is what has the Telrex name on it. The shortest
>element is around 15 foot with the longest element around 17 foot.
>Each element has what I assume to be some sort of matching attached to
>it in a sort of loop that is attached to the boom.
>Can anyone identify this antenna?
>Thanks
>
>

[Non-text portions of this message have been removed]

4308. Re: [ham-antennas] Telrex Model Identification

Yahoo group: ham-antennas (2008)
Date: 2008-03-04 12:26:42 UTC
From: Vlincoln
Topic: 4304 Message: 4308

this sounds like the 3 element 10 meter beam 103BA

van lincoln

At 10:04 3/4/2008 +0000, you wrote:

>Hello to all. I am new here, please look over my mistakes.
>I have a sort of a problem trying to ID a beam antenna. I don't have
>all the specs at the moment but maybe someone will know without all of
>them. The antenna has the name of Telrex on it and it's a 3 element
>beam with a boom just shy of 10 feet. The elements do not go through
>the boom. They are held in place with what appears to be bolt together
>insulators, which is what has the Telrex name on it. The shortest
>element is around 15 foot with the longest element around 17 foot.
>Each element has what I assume to be some sort of matching attached to
>it in a sort of loop that is attached to the boom.
>Can anyone identify this antenna?
>Thanks
>
>

[Non-text portions of this message have been removed]

4309. zeep

Yahoo group: ham-antennas (2008)
Date: 2008-03-04 14:50:05 UTC
From: k9ttt@comcast.net
Topic: 4309 Message: 4309

Can any one help me find some info on construction, use of, advantages of, ya ya yada... of an end fed zeep? I have checked my ancient antenna book (by ancient I mean back when halos were popular), and my 2007 handbook. I'm on a city lot with height an issue.....any suggestions?
Dale K9TTT

[Non-text portions of this message have been removed]

4310. Tri-Band Vertical Descision

Yahoo group: ham-antennas (2008)
Date: 2008-03-04 14:54:54 UTC
From: James Thresher
Topic: 4310 Message: 4310

Hi everyone,

I'm in the process of designing my new VHF/UHF system but have one crucial decision left, which vertical tri-bander do I go for? I have narrowed it down to either the Diamond V-2000 or the Comet GP-15, the size and price is about the same and the manufacturers gain figures are very similar (If they are to be believed), I wonder if anyone has any experience of using both of these and can perhaps give me a real world comparison.

Thanks

73 de

James M3YOM

[Non-text portions of this message have been removed]

4311. Re: [ham-antennas] zeep

Yahoo group: ham-antennas (2008)
Date: 2008-03-04 14:57:20 UTC
From: W5CPT
Topic: 4309 Message: 4311

Google the company called PAR - they make an antenna called the ENDZ which is an End Fed Zep (not zeep) . There was an article recently in one of the Ham Magazines (QST I think) that spoke highly of them.

Clint - W5CPT

----- Original Message -----
From: k9ttt@...
To: ham-antennas
Sent: Tuesday, March 04, 2008 8:50 AM
Subject: [ham-antennas] zeep

Can any one help me find some info on construction, use of, advantages of, ya ya yada... of an end fed zeep? I have checked my ancient antenna book (by ancient I mean back when halos were popular), and my 2007 handbook. I'm on a city lot with height an issue.....any suggestions?
Dale K9TTT

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

4312. RE: [ham-antennas] Vertical Antenna

Yahoo group: ham-antennas (2008)
Date: 2008-03-04 16:25:34 UTC
From: Callum M0MCX
Topic: 4303 Message: 4312

Go for it David. Get building :)

.. and remember to let us all know what the outcome was.

Callum McCormick
http://www.m0mcx.co.uk/

4313. Vertical Antenna

Yahoo group: ham-antennas (2008)
Date: 2008-03-04 17:02:42 UTC
From: Russ N3TIH
Topic: 4303 Message: 4313

just outta curiosity ...

Has anyone ever build a short 80 meter vertical antenna ???
mine consists of
10' pc of pvc 1.5 inch dia sch 20 (2 inch od)
10' 1/2 " sch M copper pipe for top radiator
2 10' 1/2 pvc 90 deg to one another horizontal about 15 inches up from bottom of 1.5 inch pvc.
2 more pc 1/2" 10 long copper pipe vut into 4 pcs 5' long places in the end of the 1/2 inch pvc for end elements for GP

i have 34.2 ft of #14 THNN copper wire continously wound up 7.5 ft of the 1.5: pvc and soldered to the the 10 ' copper top element

and approx 22 ft on each of the 4 radials for ground plane and each attach to the gp end elements , and common connect the ground side of coax.

antenna is pretty good on 80 40 20 and hi side of 10 , but lacks tuneability on 17 15 and 12.

sig reports are approx 10 DB less between Fantail at 70 FT ele (132 ' dipole)
and GP on the ground at only 4 FT.

im curious if i did my cut and test method wrong to get the antenna semi resonant , and this is why i lack my high end HF bands ....

To add , i use a FT-100D and a MFJ 993B auto tuner.

From the Desk of
Russ N3TIH
Canton, PA
-=Communications make life go round =-

[Non-text portions of this message have been removed]

4314. Re: Telrex Model Identification

Yahoo group: ham-antennas (2008)
Date: 2008-03-04 20:55:02 UTC
From: comtinker
Topic: 4304 Message: 4314

Thanks for the manual link. Never found that one yet. Look like they have some good ones. I hope they have a manual for this antenna if I ever figure out what it is.

Thanks,
Scott

--- In ham-antennas@yahoogroups.com, Vlincoln <vlincoln@...> wrote:
>
> http://www.w4qcfmanuals.com/manualsT-TG.html
>
> manuals for telrex beams here
>
> van lincoln
>
>
>
>
> At 10:04 3/4/2008 +0000, you wrote:
>
> >Hello to all. I am new here, please look over my mistakes.
> >I have a sort of a problem trying to ID a beam antenna. I don't have
> >all the specs at the moment but maybe someone will know without all of
> >them. The antenna has the name of Telrex on it and it's a 3 element
> >beam with a boom just shy of 10 feet. The elements do not go through
> >the boom. They are held in place with what appears to be bolt together
> >insulators, which is what has the Telrex name on it. The shortest
> >element is around 15 foot with the longest element around 17 foot.
> >Each element has what I assume to be some sort of matching attached to
> >it in a sort of loop that is attached to the boom.
> >Can anyone identify this antenna?
> >Thanks
> >
> >
>
>
> [Non-text portions of this message have been removed]
>

4315. RE: [ham-antennas] Vertical Antenna

Yahoo group: ham-antennas (2008)
Date: 2008-03-04 20:59:43 UTC
From: Callum M0MCX
Topic: 4303 Message: 4315

Hello Russ,

James (M3YOM) and I have built collectively, three short verticals for 80m this year (we do a lot of experiments!). In our opinion, it□s the hardest vertical to build right - with loads of losses if you don□t achieve perfection. The first one we built was an elevated radial tuned system, delivering a near 50 ohm impedance with a shortened radiator of 12 meters (40 feet). And loading coil half way up (see the m0mcx website for pictures). Although we made the trip across the Atlantic to an N1 station, I□ve had much stronger copies on horizontal antennas. In fact last year in CQWW, I switched from Verticals to High dipoles (55 feet) whilst comparing antennas with a VK station and a number of Double-Yas. In both cases, they couldn□t tell the difference.

Currently James and I are both running vertical radiators of less than 12 meters with elevated radials. I have 9 radials between 5 meters and 12 meters in length and James is running slightly less, we are both having a serious 80m □get out□ issue. Last night, I had a sked with PA3A on 80m. He actually couldn□t hear me on the 80m vertical but I was 10db++ on my horizontal wire.

Bottom line is this: If you want a vertical for 80m, you will use up as much space (possibly more) than any horizontal wire and it possibly will only just achieve what the horizontal does now. More realistic is building a good vertical for 40m (in fact, both our verticals matched to the 40m band work fantastically).

Unless you can build these verticals "by the book" your losses may be too great. 30+ radials will be the key for a ground radial system (more really) or at least 4 x radials for elevated (James and I think more).

Dipoles at 40 feet sounds a great alternative :)

Callum McCormick
http://www.m0mcx.co.uk/

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Russ N3TIH
Sent: 04 March 2008 17:03
To: ham-antennas@...m
Subject: [ham-antennas] Vertical Antenna

just outta curiosity ...

Has anyone ever build a short 80 meter vertical antenna ???
mine consists of
10' pc of pvc 1.5 inch dia sch 20 (2 inch od)

10' 1/2 " sch M copper pipe for top radiator
2 10' 1/2 pvc 90 deg to one another horizontal about 15 inches up from bottom of 1.5 inch pvc.
2 more pc 1/2" 10 long copper pipe vut into 4 pcs 5' long places in the end of the 1/2 inch pvc for end elements for GP

i have 34.2 ft of #14 THNN copper wire continously wound up 7.5 ft of the 1.5: pvc and soldered to the the 10 ' copper top element

and approx 22 ft on each of the 4 radials for ground plane and each attach to the gp end elements , and common connect the ground side of coax.

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im curious if i did my cut and test method wrong to get the antenna semi resonant , and this is why i lack my high end HF bands ....

To add , i use a FT-100D and a MFJ 993B auto tuner.

From the Desk of
Russ N3TIH
Canton, PA
-=Communications make life go round =-

[Non-text portions of this message have been removed]

4316. Re: Telrex Model Identification

Yahoo group: ham-antennas (2008)
Date: 2008-03-04 21:00:28 UTC
From: comtinker
Topic: 4304 Message: 4316

That could be it. The gentlemen I got this from said it was a 20 meter, but I cannot find any 20M antenna that comes close it's design. By the measurements I would guess it's closer to a 10M. If I could find someplace that has pics of these antennas I could probably identify it. I'll try to get some pics of the one I have eventually but still looking for the camera. I also forgot to mention that this antenna has NO traps, if that helps any.

Thanks,
Scott

--- In ham-antennas@yahoogroups.com, Vlincoln <vlincoln@...> wrote:
>
> this sounds like the 3 element 10 meter beam 103BA
>
> van lincoln
>
> At 10:04 3/4/2008 +0000, you wrote:
>
> >Hello to all. I am new here, please look over my mistakes.
> >I have a sort of a problem trying to ID a beam antenna. I don't
have
> >all the specs at the moment but maybe someone will know without
all of
> >them. The antenna has the name of Telrex on it and it's a 3
element
> >beam with a boom just shy of 10 feet. The elements do not go
through
> >the boom. They are held in place with what appears to be bolt
together
> >insulators, which is what has the Telrex name on it. The shortest
> >element is around 15 foot with the longest element around 17 foot.
> >Each element has what I assume to be some sort of matching
attached to
> >it in a sort of loop that is attached to the boom.
> >Can anyone identify this antenna?
> >Thanks
> >
> >
>
>
> [Non-text portions of this message have been removed]
>

4317. Re: [ham-antennas] Vertical Antenna

Yahoo group: ham-antennas (2008)
Date: 2008-03-04 21:06:06 UTC
From: Russ N3TIH
Topic: 4303 Message: 4317

id much rather use my quad band fan tail , how ever the dear friend im building this for has about 24' of back yard to intstall approx 5 ft above ground , so in all seriousness its gonna have to be the loaded elements vert GP . the community ok the installation of up to 24 ft " CB " antenna's but nothing bigger and not exceding 36ft in height .

i know i know , space restrictions are terrible to a ham , but i want to see if i can at least learn theroy on this design .

even if it is a lossy setup ...

From the Desk of
Russ N3TIH
Canton, PA
-=Communications make life go round =-
----- Original Message -----
From: Callum M0MCX
To: ham-antennas@yahoogroups.com
Sent: Tuesday, March 04, 2008 3:59 PM
Subject: RE: [ham-antennas] Vertical Antenna

Hello Russ,

James (M3YOM) and I have built collectively, three short verticals for 80m this year (we do a lot of experiments!). In our opinion, it's the hardest vertical to build right - with loads of losses if you don't achieve perfection. The first one we built was an elevated radial tuned system, delivering a near 50 ohm impedance with a shortened radiator of 12 meters (40 feet). And loading coil half way up (see the m0mcx website for pictures). Although we made the trip across the Atlantic to an N1 station, I've had much stronger copies on horizontal antennas. In fact last year in CQWW, I switched from Verticals to High dipoles (55 feet) whilst comparing antennas with a VK station and a number of Double-Yas. In both cases, they couldn't tell the difference.

Currently James and I are both running vertical radiators of less than 12 meters with elevated radials. I have 9 radials between 5 meters and 12 meters in length and James is running slightly less, we are both having a serious 80m "get out" issue. Last night, I had a sked with PA3A on 80m. He actually couldn't hear me on the 80m vertical but I was 10db++ on my horizontal wire.

Bottom line is this: If you want a vertical for 80m, you will use up as much space (possibly more) than any horizontal wire and it possibly will only just achieve what the horizontal does now. More realistic is building a good vertical for 40m (in fact, both our verticals matched to the 40m band work fantastically).

Unless you can build these verticals "by the book" your losses may be too great. 30+ radials will be the key for a ground radial system (more really) or at least 4 x radials for elevated (James and I think more).

Dipoles at 40 feet sounds a great alternative :)

Callum McCormick
http://www.m0mcx.co.uk/

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Russ N3TIH
Sent: 04 March 2008 17:03
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Vertical Antenna

just outta curiosity ...

Has anyone ever build a short 80 meter vertical antenna ???
mine consists of
10' pc of pvc 1.5 inch dia sch 20 (2 inch od)
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2 10' 1/2 pvc 90 deg to one another horizontal about 15 inches up from bottom of 1.5 inch pvc.
2 more pc 1/2" 10 long copper pipe vut into 4 pcs 5' long places in the end of the 1/2 inch pvc for end elements for GP

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and approx 22 ft on each of the 4 radials for ground plane and each attach to the gp end elements , and common connect the ground side of coax.

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im curious if i did my cut and test method wrong to get the antenna semi resonant , and this is why i lack my high end HF bands ....

To add , i use a FT-100D and a MFJ 993B auto tuner.

From the Desk of
Russ N3TIH
Canton, PA
-=Communications make life go round =-

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

4318. RE: [ham-antennas] Vertical Antenna

Yahoo group: ham-antennas (2008)
Date: 2008-03-04 21:44:27 UTC
From: Callum M0MCX
Topic: 4303 Message: 4318

What about a high inverted L with an SG230 auto-ATU?

Callum McCormick

http://www.m0mcx.co.uk/

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Russ N3TIH
Sent: 04 March 2008 21:06
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Vertical Antenna

id much rather use my quad band fan tail , how ever the dear friend im building this for has about 24' of back yard to intstall approx 5 ft above ground , so in all seriousness its gonna have to be the loaded elements vert GP . the community ok the installation of up to 24 ft " CB " antenna's but nothing bigger and not exceding 36ft in height .

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even if it is a lossy setup ...

From the Desk of
Russ N3TIH
Canton, PA
-=Communications make life go round =-
----- Original Message -----
From: Callum M0MCX
To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
Sent: Tuesday, March 04, 2008 3:59 PM
Subject: RE: [ham-antennas] Vertical Antenna

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Dipoles at 40 feet sounds a great alternative :)

Callum McCormick
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From: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
[mailto:ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
] On
Behalf Of Russ N3TIH
Sent: 04 March 2008 17:03
To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
Subject: [ham-antennas] Vertical Antenna

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To add , i use a FT-100D and a MFJ 993B auto tuner.

From the Desk of
Russ N3TIH
Canton, PA
-=Communications make life go round =-

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

4319. Re: [ham-antennas] Vertical Antenna

Yahoo group: ham-antennas (2008)
Date: 2008-03-04 22:50:40 UTC
From: Russ N3TIH
Topic: 4303 Message: 4319

can you email me off list please ?
id liketo further our discussion of designs

From the Desk of
Russ N3TIH
Canton, PA
redman97@...
-=Communications make life go round =-
----- Original Message -----
From: Callum M0MCX
To: ham-antennas@yahoogroups.com
Sent: Tuesday, March 04, 2008 4:44 PM
Subject: RE: [ham-antennas] Vertical Antenna

What about a high inverted L with an SG230 auto-ATU?

Callum McCormick

http://www.m0mcx.co.uk/

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Russ N3TIH
Sent: 04 March 2008 21:06
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Vertical Antenna

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----- Original Message -----
From: Callum M0MCX
To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
Sent: Tuesday, March 04, 2008 3:59 PM
Subject: RE: [ham-antennas] Vertical Antenna

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From: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
[mailto:ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
] On
Behalf Of Russ N3TIH
Sent: 04 March 2008 17:03
To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
Subject: [ham-antennas] Vertical Antenna

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im curious if i did my cut and test method wrong to get the antenna semi resonant , and this is why i lack my high end HF bands ....

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From the Desk of
Russ N3TIH
Canton, PA
-=Communications make life go round =-

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

4320. My Antenna

Yahoo group: ham-antennas (2008)
Date: 2008-03-05 05:51:06 UTC
From: ke4vyn
Topic: 4320 Message: 4320

My system for opinions and critique.

I live on a slight hillside so my doublet's high side is 40 foot high
and the low side is 75 feet high.

Its feed with a 450 ohm ladder line that hangs down 35 feet. I have
a coax air choke as it enters my shack. Its tuned with a Ameritron
ATR-15. Feed with a Icom -718.

The 134 foot #6 wire runs NW to SE. I wanted to run 160m so I added
60 feet of #12 on the ends and since I'm outa real estate the
NW 'end' runs downward and north.

The other end is more vertical and is pointed south.

The numbers are at 3 Mhz the SWR (lowest) is 2.3 with R=33 and Xc=32.
and the total run is now 254 feet.

Any thoughts?

Lee

4321. RF & Microwave / Electrical Parameter Calculator Tool for Antennas

Yahoo group: ham-antennas (2008)
Date: 2008-03-05 11:34:05 UTC
From: risabhmodi
Topic: 4321 Message: 4321

Check this website www.calculatoredge.com has several online calculators for Electrical, Mechanical, Civil, Electronics, Chemical, etc....
You can calculate equations and formula at click of a button.

Additionally subscribe free magazines of your interest (but needs to qualify)
If you like this website share it with your friends.

Tom

4322. need 17 meter yagi

Yahoo group: ham-antennas (2008)
Date: 2008-03-05 19:22:43 UTC
From: dalepavlicek
Topic: 4322 Message: 4322

looking for a 17 meter yagi or 17/12 yagi. like the cushcraft a3ws or the force 12 ef-317. Will consider any 17 0r 17/12 yagi with decent front gain.
thanks
for any help
dale wt4t

4323. VHF/UHF base station antenna

Yahoo group: ham-antennas (2008)
Date: 2008-03-06 01:17:53 UTC
From: Earl
Topic: 4323 Message: 4323

Hi Everyone,

This is my first post; I'm planning a modest (in scale and $) base station antenna for VHF/UHF voice and for APRS (weather). I'm a bit confused as to what sort of antenna and the location.

I thought of a discone but have read that a dual-band stick would give me better performance. I figured I would mount the antenna off a chimney mast. A stick has no ground-plane, so I'd have to get a model which can work this way. And, in general, most VHF antennas shouldn't be mounted high for proper low-angle radiation.

I have a second-floor wooden deck but didn't want to run a mast off the deck's side because of aesthetics. I live in a bi-level home so my chimney is only ~ 20 ft (if that) above ground. Finally, I live in a well-populated, though low-lying area. My cell service isn't very good, just to give an idea.

I've thought myself into a corner - any thoughts?

many thanks in advance.

73
earl
w2edv

4324. RE: [ham-antennas] VHF/UHF base station antenna

Yahoo group: ham-antennas (2008)
Date: 2008-03-06 01:22:49 UTC
From: James M.(Jim) Geidl
Topic: 4323 Message: 4324

Earl,

Define VHF/UHF a little more. Are you talking about 2m/220/440 or something else.

Jim, K6JMG
//

> [mailto:ham-antennas@yahoogroups.com] On Behalf Of Earl
> Sent: Wednesday, March 05, 2008 5:18 PM
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] VHF/UHF base station antenna
>
> Hi Everyone,
>
> This is my first post; I'm planning a modest (in scale and $)
> base station antenna for VHF/UHF voice and for APRS
> (weather). I'm a bit confused as to what sort of antenna and
> the location.
>
> I thought of a discone but have read that a dual-band stick
> would give me better performance. I figured I would mount the
> antenna off a chimney mast. A stick has no ground-plane, so
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> general, most VHF antennas shouldn't be mounted high for
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> mast off the deck's side because of aesthetics. I live in a
> bi-level home so my chimney is only ~ 20 ft (if that) above
> ground. Finally, I live in a well-populated, though low-lying
> area. My cell service isn't very good, just to give an idea.
>
> I've thought myself into a corner - any thoughts?
>
> many thanks in advance.
>
> 73
> earl
> w2edv

4325. Re: VHF/UHF base station antenna

Yahoo group: ham-antennas (2008)
Date: 2008-03-06 02:14:18 UTC
From: Earl
Topic: 4323 Message: 4325

Hi Jim

no, 2m/220/440.
thnaks
Earl
w2edv

--- In ham-antennas@yahoogroups.com, "James M.\(Jim\) Geidl"
<jgeidl@...> wrote:
>
> Earl,
>
> Define VHF/UHF a little more. Are you talking about 2m/220/440 or
something
> else.
>
> Jim, K6JMG
> //
>
>
> > [mailto:ham-antennas@yahoogroups.com] On Behalf Of Earl
> > Sent: Wednesday, March 05, 2008 5:18 PM
> > To: ham-antennas@yahoogroups.com
> > Subject: [ham-antennas] VHF/UHF base station antenna
> >
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> >
> > This is my first post; I'm planning a modest (in scale and $)
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> > area. My cell service isn't very good, just to give an idea.
> >

> > I've thought myself into a corner - any thoughts?
> >
> > many thanks in advance.
> >
> > 73
> > earl
> > w2edv
>

4326. RE: [ham-antennas] Re: VHF/UHF base station antenna

Yahoo group: ham-antennas (2008)
Date: 2008-03-06 02:30:08 UTC
From: James M.(Jim) Geidl
Topic: 4323 Message: 4326

Earl,

You are going to be line of sight because of those bands so what you are probably going to have the most success with is hitting repeaters. I am going to assume you have explored repeaters in your area and are aware of ones in you ~should~ be able to reach. With this in mind, I would suggest an Arrow Antenna J-pole. If you want to explorer out further and can work with stiff directionality, I suggest looking at and Elk Log Periodic.

The J-pole is pretty cheap and real easy to put up. I stick mine on a piece of 1 1/4" mast and dropped the mast part way down a drain vent on the roof. I put a U-bolt around it at about 3' from the bottom to keep it from dropping all the way into the vent pipe.

Jim, K6JMG
//

> [mailto:ham-antennas@yahoogroups.com] On Behalf Of Earl
> Sent: Wednesday, March 05, 2008 6:14 PM
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] Re: VHF/UHF base station antenna
>
> Hi Jim
>
> no, 2m/220/440.
> thnaks
> Earl
> w2edv
>
> --- In ham-antennas@yahoogroups.com, "James M.\(Jim\) Geidl"
> <jgeidl@...> wrote:
> >
> > Earl,
> >
> > Define VHF/UHF a little more. Are you talking about 2m/220/440 or
> something
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> >
> > Jim, K6JMG
> > //
> >
> >
> > > [mailto:ham-antennas@yahoogroups.com] On Behalf Of Earl
> > > Sent: Wednesday, March 05, 2008 5:18 PM
> > > To: ham-antennas@yahoogroups.com
> > > Subject: [ham-antennas] VHF/UHF base station antenna

> > >
> > > Hi Everyone,
> > >
> > > This is my first post; I'm planning a modest (in scale
> and $) base
> > > station antenna for VHF/UHF voice and for APRS (weather).
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> > > 73
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4327. RE: [ham-antennas] Re: VHF/UHF base station antenna

Yahoo group: ham-antennas (2008)
Date: 2008-03-06 02:34:08 UTC
From: AE5MH
Topic: 4323 Message: 4327

For an Omni dual band.. I suggest the Cushcraft AR270B. A real metal antenna (not fiberglass with a wire inside) with decent gain for 119 bucks at most vendors.

If your want directionality.. get individual beams you'll benefit from greater gain and front to back ratio.

For an omni go with a dual band.. and use it for a Rx antenna when you transition to Yagi's.

-----Original Message-----
From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of James M.(Jim) Geidl
Sent: Wednesday, March 05, 2008 8:30 PM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Re: VHF/UHF base station antenna

Earl,

You are going to be line of sight because of those bands so what you are probably going to have the most success with is hitting repeaters. I am going to assume you have explored repeaters in your area and are aware of ones in you ~should~ be able to reach. With this in mind, I would suggest an Arrow Antenna J-pole. If you want to explorer out further and can work with stiff directionality, I suggest looking at and Elk Log Periodic.

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> To: ham-antennas@yahoogroups.com
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> <jgeidl@...> wrote:
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> > Earl,
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4328. Re: [ham-antennas] Re: VHF/UHF base station antenna

Yahoo group: ham-antennas (2008)
Date: 2008-03-06 02:55:35 UTC
From: Leonard K. Pennock
Topic: 4323 Message: 4328

If you want a commercial tri bander look at the Diamond X3200A or the Comet CX333. Both will give you good gain on all three bands but they are about 10' high.

If you drop to only a dual bander a Diamond X30A, Diamond X50A, Comet GP1 and Comet GP3 are all good choice at only around 4-5' tall. Also the Arrow J-pole in single or dual band would be another good choice.

You could also make your own 2m J-pole antenna. The 2M J-pole will load up on 440 but doesn't have the best radiation pattern. You could also build a j-pole for 220 if you used one of the commercial dual bands.

All of these options should give you pretty good range when mounted on top of your chimney. All these options don't require ground coupling to work well.

Earl wrote:
> Hi Jim
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> <jgeidl@...> wrote:
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>

--
Leonard K. Pennock
AD7AS

Those who walk bravely through life, unafraid of loss or failure,
find that they very rarely lose or fail.

4329. RE: [ham-antennas] Re: VHF/UHF base station antenna

Yahoo group: ham-antennas (2008)
Date: 2008-03-06 04:30:08 UTC
From: AE5MH
Topic: 4323 Message: 4329

All of these options should give you pretty good range when mounted on top of your chimney. All these options don't require ground coupling to work well.

That would be true, however ground coupling is a great thing.. I have seen all too many top mounted fiberglass antennas end up thousands of shards in your lawn.. The first discharge takes out the wire antenna in the tube, the next charge tries to go to ground (ungrounded antenna) and cant unless it uses your coax to get there.

I do have a comet as a repeater antenna, 300 ft on a 476 ft tower but never as a top mounted antenna. Too risky..and not rugged enough.

AE5MH

-----Original Message-----
From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Leonard K. Pennock
Sent: Wednesday, March 05, 2008 8:56 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: VHF/UHF base station antenna

If you want a commercial tri bander look at the Diamond X3200A or the Comet CX333. Both will give you good gain on all three bands but they are about 10' high.

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You could also make your own 2m J-pole antenna. The 2M J-pole will load up on 440 but doesn't have the best radiation pattern. You could also build a j-pole for 220 if you used one of the commercial dual bands.

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Earl wrote:
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>
> no, 2m/220/440.
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> w2edv
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> --- In ham-antennas@yahoogroups.com, "James M.\(Jim\) Geidl"

> <jgeidl@...> wrote:
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>> Define VHF/UHF a little more. Are you talking about 2m/220/440 or
> something
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>> Jim, K6JMG
>> //
>>
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>>> [mailto:ham-antennas@yahoogroups.com] On Behalf Of Earl
>>> Sent: Wednesday, March 05, 2008 5:18 PM
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Yahoo! Groups Links

4330. Re: [ham-antennas] Re: VHF/UHF base station antenna

Yahoo group: ham-antennas (2008)
Date: 2008-03-06 04:43:49 UTC
From: Leonard K. Pennock
Topic: 4323 Message: 4330

Ground coupling for RF Ground is not required for operation of those antennas. Ground path for lightening protection is a totally different thing and I agree you need to address that or your radio can become the ground path.

AE5MH wrote:
> All of these options should give you pretty good range when mounted on top
> of your chimney. All these options don't require ground coupling to work
> well.
>
> That would be true, however ground coupling is a great thing.. I have seen
> all too many top mounted fiberglass antennas end up thousands of shards in
> your lawn.. The first discharge takes out the wire antenna in the tube, the
> next charge tries to go to ground (ungrounded antenna) and cant unless it
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> I do have a comet as a repeater antenna, 300 ft on a 476 ft tower but never
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AD7AS

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4331. Re: [ham-antennas] Re: VHF/UHF base station antenna

Yahoo group: ham-antennas (2008)
Date: 2008-03-06 04:46:41 UTC
From: NS5B@comcast.net
Topic: 4323 Message: 4331

Personally, I got a Diamond X50A. Was $99.95 at HRO*. Since they offered free shipping on orders over $100.00, I had to add a $1.00 item (cigarette plug for me) and avoided the $7.00 "small order" fee and to qualify for FREE shipping. I priced these at about 5-6 places, and HRO was the cheapest delivered. $109.94 CONUS.

Band/Gain = 2m/70cm @ 4.5dB/7.2dB and 5' 6" tall. Would mount well to the chimney.

Nothing wrong with the others either, I just chose the Diamond, and the dualband since we have no 220 repeaters in my area. Comet is about the same price (plus/minus a buck or two) and both the GP3 and the Diamond X50A have identical gain and max power rating. Comet GP3 is 5" taller at 5' 11".

* (I have no affiliation with HRO...I just always shop around for they had the best price on this item)

Steve, NS5B

---------- Original message ----------
From: "Leonard K. Pennock" <leonardpennock@...>
If you want a commercial tri bander look at the Diamond X3200A or the Comet CX333. Both will give you good gain on all three bands but they are about 10' high.

If you drop to only a dual bander a Diamond X30A, Diamond X50A, Comet GP1 and Comet GP3 are all good choice at only around 4-5' tall. Also the Arrow J-pole in single or dual band would be another good choice.

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Earl wrote:
> Hi Jim
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> no, 2m/220/440.
> thnaks
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> --- In ham-antennas@yahoogroups.com, "James M.\(Jim\) Geidl"
> <jgeidl@...> wrote:
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>> Define VHF/UHF a little more. Are you talking about 2m/220/440 or
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>> Jim, K6JMG
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>>> [mailto:ham-antennas@yahoogroups.com] On Behalf Of Earl
>>> Sent: Wednesday, March 05, 2008 5:18 PM
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>>> Subject: [ham-antennas] VHF/UHF base station antenna
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find that they very rarely lose or fail.

[Non-text portions of this message have been removed]

4332. RE: [ham-antennas] Re: VHF/UHF base station antenna

Yahoo group: ham-antennas (2008)
Date: 2008-03-06 04:55:46 UTC
From: AE5MH
Topic: 4323 Message: 4332

Taken from the Universal radio online catalog

Cushcraft AR270B 144-148/430-450 MHz 5.5/7.5 dB 7.7 ft. (2.3m)
$119.95

Diamond X-50 2M/440 4.5/7.2 dB 5.6 feet $99.95

Spend the extra 20 bucks and buy a metal antenna!

4333. Re: VHF/UHF base station antenna

Yahoo group: ham-antennas (2008)
Date: 2008-03-06 16:43:14 UTC
From: Earl
Topic: 4323 Message: 4333

Gentlemen,

Thank you all very much for your input. Over the weekend, I will evaluate all the suggestions and develop a plan of action. I may have some follow up questions :-).

73!
Earl
w2edv

--- In ham-antennas@yahoogroups.com, "AE5MH" <ae5mh@...> wrote:
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> Taken from the Universal radio online catalog
>
>
> Cushcraft AR270B 144-148/430-450 MHz 5.5/7.5 dB 7.7 ft. (2.3m)
> $119.95
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>
>
> Spend the extra 20 bucks and buy a metal antenna!
>

4334. Re: [ham-antennas] Re: VHF/UHF base station antenna

Yahoo group: ham-antennas (2008)
Date: 2008-03-06 17:12:40 UTC
From: Chris
Topic: 4323 Message: 4334

Just another .02 to chew on.

I just recently put up a dual-band vertical and decided to just get a serious antenna and be done with it.

I put up a Diamond X510, for masting I simply used two ten foot sections of hurricane fence top-rail for about $10 each length. I drilled and sheet metal screwed them at the joint and it's quite strong.

I attached this to the end of my house using gable brackets to hold the rail in two places. The top bracket is just at the joint of the two pieces so it gives me about ten feet above the peak of my roof for elevation.

The performance of the antenna has been fantastic. I ran 9913 low loss line for the feed as well, don't cut corners there, go with at least 9913 or better yet LMR-400. You want to minimize losses wherever possible or the antenna you connect to won't do anything for you.

It wasn't the cheapest configuration, but I'm learning that getting an installation done well and done properly the first time is much more satisfying. This should be in the air for many years before I have any trouble with it and it performs great.

As far as being visible, I find that a simple vertical like this is really not that noticeable. It may seem huge at first, but really it doesn't have the visual impact of a big tri-bander yagi by contrast. You'll be more frustrated I think if you put up an antenna and realize that you could have that 'just a bit more' to help snag the signals.

The Arrow J-pole does work well and will get you to all your local repeaters nicely, but if you like playing with simplex at all, go for something with more gain, you won't be sorry.

On Thu, Mar 6, 2008 at 11:43 AM, Earl <w2edv@...> wrote:
> Gentlemen,
>
> Thank you all very much for your input. Over the weekend, I will
> evaluate all the suggestions and develop a plan of action. I may have
> some follow up questions :-).
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> 73!
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> --- In ham-antennas@yahoogroups.com, "AE5MH" <ae5mh@...> wrote:
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4335. Re: [ham-antennas] Re: VHF/UHF base station antenna

Yahoo group: ham-antennas (2008)
Date: 2008-03-06 23:39:58 UTC
From: jgarko@aol.com
Topic: 4323 Message: 4335

What are the benefits of a metal over fiberglass antenna??

John

Seminole, Fl.

In a message dated 3/5/2008 11:56:49 P.M. Eastern Standard Time,
ae5mh@... writes:

Taken from the Universal radio online catalog

Cushcraft AR270B 144-148/430-Cushcraft AR270B 144-148/430-
$119.95

Diamond X-50 2M/440 4.5/7.2 dB 5.6 feet $99.95

Spend the extra 20 bucks and buy a metal antenna!

**********It's Tax Time! Get tips, forms, and advice on AOL Money &
Finance. (http://money.aol.com/tax?NCID=aolprf00030000000001)

[Non-text portions of this message have been removed]

4336. Re: VHF/UHF base station antenna

Yahoo group: ham-antennas (2008)
Date: 2008-03-07 00:11:28 UTC
From: crocodile.clip
Topic: 4323 Message: 4336

I think metal antennas will resonate over a wider bandwidth than a relatively thinner element in a fibreglass radome. Metal feels nicer on the skin too.

Chris.

--- In ham-antennas@yahoogroups.com, jgarko@... wrote:
>
>
> What are the benefits of a metal over fiberglass antenna??
>
> John
>
> Seminole, Fl.
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> In a message dated 3/5/2008 11:56:49 P.M. Eastern Standard Time,
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> Taken from the Universal radio online catalog
>
> Cushcraft AR270B 144-148/430-Cushcraft AR270B 144-148/430-
> $119.95
>
> Diamond X-50 2M/440 4.5/7.2 dB 5.6 feet $99.95
>
> Spend the extra 20 bucks and buy a metal antenna!
>
>
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>
>
>
>
> **********It's Tax Time! Get tips, forms, and advice on AOL
Money &
> Finance. (http://money.aol.com/tax?NCID=aolprf00030000000001)
>
>
> [Non-text portions of this message have been removed]
>

4337. RE: [ham-antennas] Re: VHF/UHF base station antenna

Yahoo group: ham-antennas (2008)
Date: 2008-03-07 00:22:48 UTC
From: AE5MH
Topic: 4323 Message: 4337

All this in my maybe not so humble opionon:

Most always they are more broad banded. That is to say that the operational curve when VSWR's are graphed is much wider..
Unless your talking about something like a motorized antenna such as a STEPPIR.

Usually fiberglass antennas are not a "Grounded" antenna.

Usually they resist much greater winds.

Most times they are lighter.

Much less susceptible to static discharge damage (lightning).

When they are hit by lightning the metal antennas are much easier to pick up in the yard!

AE5MH

-----Original Message-----
From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of jgarko@...
Sent: Thursday, March 06, 2008 5:40 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: VHF/UHF base station antenna

What are the benefits of a metal over fiberglass antenna??

John

Seminole, Fl.

In a message dated 3/5/2008 11:56:49 P.M. Eastern Standard Time, ae5mh@... writes:

Taken from the Universal radio online catalog

Cushcraft AR270B 144-148/430-Cushcraft AR270B 144-148/430-
$119.95

Diamond X-50 2M/440 4.5/7.2 dB 5.6 feet $99.95

Spend the extra 20 bucks and buy a metal antenna!

**********It's Tax Time! Get tips, forms, and advice on AOL Money & Finance. (http://money.aol.com/tax?NCID=aolprf00030000000001)

[Non-text portions of this message have been removed]

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 974 members (as of 11/07/07, and attachments are NOT permitted.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com

Yahoo! Groups Links

4338. Re: [ham-antennas] Re: VHF/UHF base station antenna

Yahoo group: ham-antennas (2008)
Date: 2008-03-07 02:01:22 UTC
From: Ipe Perez
Topic: 4323 Message: 4338

Why is it I see more fiberglass antennas hit by lightning? Or is it
just because there are more fiberglass antennas installed?

Philip

On Fri, Mar 7, 2008 at 8:22 AM, AE5MH <ae5mh@...> wrote:
>
>
> Much less susceptible to static discharge damage (lightning).
>
> When they are hit by lightning the metal antennas are much easier to pick
> up
> in the yard!
>
> AE5MH
>
>
> -----Original Message-----
> Wrom: EMSFDULHPQQWOYIYZUNNYCGPKYLEJGDGVCJVTLBXFGGMEPYOQKEDOTWFAOBUZXUWLSZLK
> Behalf Of jgarko@...
> Sent: Thursday, March 06, 2008 5:40 PM
> To: ham-antennas@yahoogroups.com
> Subject: Re: [ham-antennas] Re: VHF/UHF base station antenna
>
> What are the benefits of a metal over fiberglass antenna??
>
> John
>
> Seminole, Fl.
>
>
>
>
> In a message dated 3/5/2008 11:56:49 P.M. Eastern Standard Time,
> ae5mh@... writes:
>
> Taken from the Universal radio online catalog
>
> Cushcraft AR270B 144-148/430-Cushcraft AR270B 144-148/430-
> $119.95
>
> Diamond X-50 2M/440 4.5/7.2 dB 5.6 feet $99.95
>
> Spend the extra 20 bucks and buy a metal antenna!
>

> **********It's Tax Time! Get tips, forms, and advice on AOL Money &
> Finance. (http://money.aol.com/tax?NCID=aolprf00030000000001)
>
> [Non-text portions of this message have been removed]
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
> to ALL 974 members (as of 11/07/07, and attachments are NOT permitted.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
>
> Yahoo! Groups Links
>
>

--
The greatest achievement was at first and for a time a dream. The oak
sleeps in the acorn, the bird waits in the egg, and in the highest
vision of the soul a waking angel stirs. Dreams are the seedlings of
realities. -- James Allen

4339. Re: [ham-antennas] VHF/UHF base station antenna

Yahoo group: ham-antennas (2008)
Date: 2008-03-07 03:23:18 UTC
From: Andy
Topic: 4323 Message: 4339

> I figured I would mount the antenna off a
> chimney mast.

I have seen warnings about putting an antenna on a chimney. They aren't strong. In a storm, the antenna could bring the chimney down.

> And, in general, most VHF antennas shouldn't
> be mounted high for proper low-angle radiation.

Not sure what you meant by that?

We aren't talking high like 500'.

If your cell service is poor because your area is low, it is likely that higher is better and will give you more coverage.

Andy

4340. Re: [ham-antennas] Telrex Model Identification

Yahoo group: ham-antennas (2008)
Date: 2008-03-07 06:54:31 UTC
From: Dave Oldridge
Topic: 4304 Message: 4340

On 4 Mar 2008 at 10:04, comtinker wrote:

> Hello to all. I am new here, please look over my mistakes. I
> have a sort of a problem trying to ID a beam antenna. I don't
> have all the specs at the moment but maybe someone will know
> without all of them. The antenna has the name of Telrex on it
> and it's a 3 element beam with a boom just shy of 10 feet. The
> elements do not go through the boom. They are held in place
> with what appears to be bolt together insulators, which is what
> has the Telrex name on it. The shortest element is around 15
> foot with the longest element around 17 foot. Each element has
> what I assume to be some sort of matching attached to it in a
> sort of loop that is attached to the boom. Can anyone identify
> this antenna?

Sounds like a Telrex 3-element 10 meter yagi. They used to be
famous for their very effective and sturdy beam antennas. W2HCW
used to dominate the North Atlantic path with a 3-element 80
meter beam they made for him. Of course his location helped,
too, along with a good amplifier, but he could also hear well...

As far as I know, the company is defunct now. But if the beam is
in good shape, it ought to be usable. Many of their antennas are
still in service.

--

Dave Oldridge
ICQ 1800667
VA7CZ

4341. HELP FROM GROUP PLEASE

Yahoo group: ham-antennas (2008)
Date: 2008-03-07 14:57:46 UTC
From: ROBERT
Topic: 4341 Message: 4341

I HAVE A KENWOOD WIDE BAND COMMUNICATION RECEIVER AND LOOKING TO THIS
GROUP FOR A GOOD MOBILE ANTENNA THAT IS AUTO TUNE FOR MY SMALL TOWNHOUSE
AS WIRE ANTENNAS ARE NOT ALOUD JUST SO CAN'T BE SEEN FROM THE STREET
THANKS ROBERT BGSNOOPY@...

4342. Re: [ham-antennas] HELP FROM GROUP PLEASE

Yahoo group: ham-antennas (2008)
Date: 2008-03-07 15:18:56 UTC
From: Brian Erwin
Topic: 4341 Message: 4342

questions for you and ideas

Are there trees close to your house?
If so, At night ;) string up a long wire antenna through the trees. Wire should be at least 100 feet (The G5RV is 102 across the top)

Or string up a dipole between trees.

Get an antenna tuner and hook the wire antenna into the tuner.

Just a note. Having an antenna in my neighborhood is not prohibited and I could even set up a tower with a Yaggi on the top if I wanted to. I chose to put up a dipole through the trees on my property. I have a homebrew dipole though it is 68 feet of 14Ga copper wire for the top sections and a 31 foot ladderline feeder to a Balun. Total 136 foot with 31 foot ladder line. 80 meter dipole I guess is what the true term is but I have great results on all bands. I use a tuner to get the ant. set right.

hope this helps you.

Brian - KC9FACV

ROBERT <bgsnoopy@...> wrote:
I HAVE A KENWOOD WIDE BAND COMMUNICATION RECEIVER AND LOOKING TO THIS GROUP FOR A GOOD MOBILE ANTENNA THAT IS AUTO TUNE FOR MY SMALL TOWNHOUSE AS WIRE ANTENNAS ARE NOT ALOUD JUST SO CAN'T BE SEEN FROM THE STREET
THANKS ROBERT BGSNOOPY@...

Looking for last minute shopping deals? Find them fast with Yahoo! Search.

[Non-text portions of this message have been removed]

4343. Re: [ham-antennas] HELP FROM GROUP PLEASE

Yahoo group: ham-antennas (2008)
Date: 2008-03-07 15:36:04 UTC
From: Dean L.
Topic: 4341 Message: 4343

The question was for a RECEIVER. A G5RV antenna is not needed as well as an Auto Tuner will not work at all as it needs Transmit Power to tune it.
Just get a ground on the receiver and as long a wire as you can get hooked to the antenna terminal.. It needs not to be tuned as your good receiver will take care of that ... Do not mess with coax just run the wire direct to the radio.
Remember.... Longer is better....
73 Dean W5GXL

Disclaimer: Any errors in spelling, or fact are transmission errors.

On Mar 7, 2008, at 9:18 AM, Brian Erwin wrote:

> questions for you and ideas
>
> Are there trees close to your house?
> If so, At night ;) string up a long wire antenna through the trees.
> Wire should be at least
> 100 feet (The G5RV is 102 across the top)
>
> Or string up a dipole between trees.
>
> Get an antenna tuner and hook the wire antenna into the tuner.
>

[Non-text portions of this message have been removed]

4344. Re: HELP FROM GROUP PLEASE

Yahoo group: ham-antennas (2008)
Date: 2008-03-07 16:22:27 UTC
From: gadzooks.mike
Topic: 4341 Message: 4344

Try this - it works well and is pretty easy to build.
http://www.northcountryradio.com/Kitpages/actant.htm

--- In ham-antennas@yahoogroups.com, "ROBERT" <bgsnoopy@...> wrote:
>
> I HAVE A KENWOOD WIDE BAND COMMUNICATION RECEIVER AND LOOKING TO THIS
> GROUP FOR A GOOD MOBILE ANTENNA THAT IS AUTO TUNE FOR MY SMALL
TOWNHOUSE
> AS WIRE ANTENNAS ARE NOT ALOUD JUST SO CAN'T BE SEEN FROM THE STREET
> THANKS ROBERT BGSNOOPY@...
>

4345. Re: [ham-antennas] HELP FROM GROUP PLEASE

Yahoo group: ham-antennas (2008)
Date: 2008-03-07 20:20:11 UTC
From: Wayne
Topic: 4341 Message: 4345

Actually, a tuner can amke a lot of difference with receiving. But it is
easier to use a manual tuner, just adjust for maximum noise or signal.
The instructions for my older manual MFJ tuner suggested starting that
way before adjusting for lower VSWR....
However, as you say, it is not essential. I never heard of a receiver
going bad from using a poorly matched antenna. But used righty, a tuner
can help reception...
Auto tuners can, in some anyway, be manually adjusted.

Back in the 50's, I simply used an end fed wire as an antenna to receive
a great amount of short wave broadcast and such...
YMMV

Wayne WA2YNE
Imperial, Tejas

On Fri, 07 Mar 2008 09:36:04 -0600, Dean L. <w5gxl@...> wrote:

> The question was for a RECEIVER. A G5RV antenna is not needed as
> well as an Auto Tuner will not work at all as it needs Transmit Power
> to tune it.
> Just get a ground on the receiver and as long a wire as you can get
> hooked to the antenna terminal.. It needs not to be tuned as your
> good receiver will take care of that ... Do not mess with coax just
> run the wire direct to the radio.
> Remember.... Longer is better....
> 73 Dean W5GXL
>
> Disclaimer: Any errors in spelling, or fact are
> transmission errors.
>
>
>
>
>
> On Mar 7, 2008, at 9:18 AM, Brian Erwin wrote:
>
>> questions for you and ideas
>>
>> Are there trees close to your house?
>> If so, At night ;) string up a long wire antenna through the trees.
>> Wire should be at least
>> 100 feet (The G5RV is 102 across the top)
>>
>> Or string up a dipole between trees.
>>

>> Get an antenna tuner and hook the wire antenna into the tuner.
>>
>
>
>
> [Non-text portions of this message have been removed]
>

--
Using Opera's revolutionary e-mail client: http://www.opera.com/mail/

4346. cushcraft r8

Yahoo group: ham-antennas (2008)
Date: 2008-03-08 04:27:44 UTC
From: paul glassman
Topic: 4346 Message: 4346

hi fellow hams,
I just purchased a used cushcraft r8. as i assemble
it i am checking continuity. i notice that i am not
getting continuity from the center pin on the so239
input on the matching network to the antenna itself.
is this the normal design of the antenna or do i have
an open connection somewhere?
thanks in advance paul w8jn

Quantum materiae materietur marmota monax
si marmota monax materiam possit materiari?

Never miss a thing. Make Yahoo your home page.
http://www.yahoo.com/r/hs

4347. Re: HELP FROM GROUP PLEASE

Yahoo group: ham-antennas (2008)
Date: 2008-03-08 13:49:08 UTC
From: Sam Saladino
Topic: 4341 Message: 4347

Robert which model receiver do you have? The reason I ask is even my old Realistic DX-160 has a dial for "Antenna Trim", this is virtually a built in "Tuner" that matches the radio to any wire you attach to it for better reception. For outdoors longer-higher-and bigger is always better, but a number of indoor antennas can give you plenty of signals to listen to. I've used "Active Antennas" as was suggested earlier by gadzooks mike, various loops etc. Is your apartment on the first floor or? Is there any attic space above your apartment?

If you're above the first floor it would be better but it will also work on first floor is to run a very thin wire along the top of your baseboards to connect your radio to. For maximum invisibility it could be something as small as 24-28 gauge magnet wire, but I would use something at the connection end that could mounted to the baseboard or wall to keep from breaking the wire when connecting-disconnecting or moving the radio. Maybe a 1/8" phone jack connected only on the center pin so it would virtually be a longwire antenna. The just make a adapter for the radio connection whether the input is a SO-239 or screws for wires on the radio end and a 1/8" phone plug to connect to the jack on the wall you made. GROUNDING the radio makes a BIG DIFFERENCE in the quality of your reception as well.

If you do decided to go the mobile antenna route any, including a simple 102" CB whip will work, but again quality of reception will suffer and with so many possibilities that cost little to nothing you can build.. it's not worth it.

Sam

4348. Re: HELP FROM GROUP PLEASE

Yahoo group: ham-antennas (2008)
Date: 2008-03-08 13:54:55 UTC
From: Sam Saladino
Topic: 4341 Message: 4348

FORGOT TO ADD!

Another of my older receivers is a Zenith Trans Oceanic R7000 that has a built-in Whip Antenna that's not even six feet long and even that does a surprising job on reception.

Sam

4349. Re: Which edition or theory book of ANT do you recommend ?

Yahoo group: ham-antennas (2008)
Date: 2008-03-08 15:02:43 UTC
From: xperts88
Topic: 4278 Message: 4349

John it is a good idea as my reference.
I love slinky dipole for years wity yo- yo dipole made by myself.
I remember this for six meter and pass this to my friend Thanks Tim,

4350. Re: Which edition or theory book of ANT do you recommend ?

Yahoo group: ham-antennas (2008)
Date: 2008-03-08 15:14:36 UTC
From: xperts88
Topic: 4278 Message: 4350

Hi Doug,
I am very appreciated to see over 190 pages shown very much field tactic telecommunication antennas and their installations the RF must reach to the object correctly in band, how to installe, etc, though I saw this pdf at all now.

> "In an emergency, a ground connection can be made by forcing one or
> more bayonets into the soil."

Looking many installation cases, there is just a byonet in the ground is curious.is it enough to us amateur drive RF to DX?
Just putting bayonets in the soil except interference issues, Is it okay for HF bands?

> and a couple of the warnings...
>
> "EXCESSIVE SIGNAL STRENGTH MAY RESULT IN ENEMY INTERCEPT AND
> INTERFERENCE OR IN YOUR INTERFERENCE WITH ADJACENT FREQUENCIES."

I know ERP may be very important at the point to protect the enemy intercept,
> maybe they had 75 meters in mind...
>

> It's in PDF format, so it's easy to save a copy. I found it full of
> good 'just the facts Ma'am' info.
>
> No fluff, no opinions, just what works.
Certainly, just what works actually in the field experience and how I could radiate farther than the present equipment and my poor plan. Thanks a lot John 73 GL Tim,

4351. Re: [ham-antennas] Re: HELP FROM GROUP PLEASE

Yahoo group: ham-antennas (2008)
Date: 2008-03-08 16:15:51 UTC
From: Phil Bader
Topic: 4341 Message: 4351

hello, all. I'm a new member to this forum. You know, Sam, if you live in an upper floor apartment, there is no reason why you can't "top feed" a wire suspended over the balcony railing. Many hams have a small fishing reel with thin wire and a weight at the end. Unreel it down for listening session. After unreeling to a good length, clip a wire at the top (reel end) that goes over to your radio. When done,unhook and reel it up. End-fed antennas don't care which end! Less critical for SWL Vs transmitting.
Respectfully,
Phil
Philip Bader
pbader@...
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakelandarc.org/
Currently: Polk County School Board Electronics
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006

----- Original Message -----
From: Sam Saladino
To: ham-antennas@yahoogroups.com
Sent: Saturday, March 08, 2008 8:54 AM
Subject: [ham-antennas] Re: HELP FROM GROUP PLEASE

FORGOT TO ADD!

Another of my older receivers is a Zenith Trans Oceanic R7000 that has
a built-in Whip Antenna that's not even six feet long and even that
does a surprising job on reception.

Sam

No virus found in this incoming message.
Checked by AVG.
Version: 7.5.518 / Virus Database: 269.21.6/1318 - Release Date: 3/7/2008 2:01 PM

[Non-text portions of this message have been removed]

4352. Re: Telrex Model Identification

Yahoo group: ham-antennas (2008)
Date: 2008-03-08 22:17:09 UTC
From: comtinker
Topic: 4304 Message: 4352

I think you may be right. I did get a camera and will try to figure out how to post a few pics when I get a chance and the weather permits. I do not have the antenna assembled but hopefully someone can identify it from the parts. The element isolation brackets that are used look unique to me but then again this is the first Telrex I have seen.

Thanks

--- In ham-antennas@yahoogroups.com, Dave Oldridge <doldridg@...> wrote:
>
> On 4 Mar 2008 at 10:04, comtinker wrote:
>
> > Hello to all. I am new here, please look over my mistakes. I
> > have a sort of a problem trying to ID a beam antenna. I don't
> > have all the specs at the moment but maybe someone will know
> > without all of them. The antenna has the name of Telrex on it
> > and it's a 3 element beam with a boom just shy of 10 feet. The
> > elements do not go through the boom. They are held in place
> > with what appears to be bolt together insulators, which is what
> > has the Telrex name on it. The shortest element is around 15
> > foot with the longest element around 17 foot. Each element has
> > what I assume to be some sort of matching attached to it in a
> > sort of loop that is attached to the boom. Can anyone identify
> > this antenna?
>
> Sounds like a Telrex 3-element 10 meter yagi. They used to be
> famous for their very effective and sturdy beam antennas. W2HCW
> used to dominate the North Atlantic path with a 3-element 80
> meter beam they made for him. Of course his location helped,
> too, along with a good amplifier, but he could also hear well...
>
> As far as I know, the company is defunct now. But if the beam is
> in good shape, it ought to be usable. Many of their antennas are
> still in service.
>
>
> --
>
> Dave Oldridge
> ICQ 1800667
> VA7CZ
>

4353. Re: HELP FROM GROUP PLEASE

Yahoo group: ham-antennas (2008)
Date: 2008-03-08 22:59:43 UTC
From: Sam Saladino
Topic: 4341 Message: 4353

That's a possibility as well, but I have no idea which floor Robert lives on, it was his post I was answering. In his original post he also said that no wire antennas were allowed at his complex which is why I was trying to give him other ideas. Using the method you suggest would/should be fine after dark, when nobody is around but then you'd miss out on the bands that are active only during daylight hours so you'd still need another antenna to enjoy those.

4354. Re: [ham-antennas] Re: HELP FROM GROUP PLEASE

Yahoo group: ham-antennas (2008)
Date: 2008-03-08 23:31:34 UTC
From: John P.
Topic: 4341 Message: 4354

Back in the very late 60's, I knew a ham in Brooklyn, NY that had a similar problem. He used a tuner to load his 100 watt transceiver into the steam heating pipes in the building. Worked GREAT!!

Sam Saladino <ortracr@...> wrote:
That's a possibility as well, but I have no idea which floor Robert lives on, it was his post I was answering. In his original post he also said that no wire antennas were allowed at his complex which is why I was trying to give him other ideas. Using the method you suggest would/should be fine after dark, when nobody is around but then you'd miss out on the bands that are active only during daylight hours so you'd still need another antenna to enjoy those.

Never miss a thing. Make Yahoo your homepage.

[Non-text portions of this message have been removed]

4355. Re: [ham-antennas] Re: HELP FROM GROUP PLEASE

Yahoo group: ham-antennas (2008)
Date: 2008-03-09 00:51:07 UTC
From: Phil Bader
Topic: 4341 Message: 4355

How about #28 enameled wire with a birthday helium balloon! Almost invisable.
Reminds me:
We have a lot of car dealerships around us that advertise by attaching a large balloon (maybe 3 feet across?) to a cord with flags,and it floats up 3-400 feet! Man,now THAT's an end fed long wire! Hoooboy.
Phil
Philip Bader
pbader@...
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakelandarc.org/
Currently: Polk County School Board Electronics
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006

----- Original Message -----
From: John P.
To: ham-antennas@yahoogroups.com
Sent: Saturday, March 08, 2008 6:31 PM
Subject: Re: [ham-antennas] Re: HELP FROM GROUP PLEASE

Back in the very late 60's, I knew a ham in Brooklyn, NY that had a similar problem. He used a tuner to load his 100 watt transceiver into the steam heating pipes in the building. Worked GREAT!!

Sam Saladino <ortracr@...> wrote:
That's a possibility as well, but I have no idea which floor Robert lives on, it was his post I was answering. In his original post he also said that no wire antennas were allowed at his complex which is why I was trying to give him other ideas. Using the method you suggest would/should be fine after dark, when nobody is around but then you'd miss out on the bands that are active only during daylight hours so you'd still need another antenna to enjoy those.

Never miss a thing. Make Yahoo your homepage.

[Non-text portions of this message have been removed]

No virus found in this incoming message.
Checked by AVG.
Version: 7.5.518 / Virus Database: 269.21.7/1319 - Release Date: 3/8/2008 10:14 AM

[Non-text portions of this message have been removed]

4356. Re: [ham-antennas] Re: HELP FROM GROUP PLEASE

Yahoo group: ham-antennas (2008)
Date: 2008-03-09 01:38:40 UTC
From: Dean L.
Topic: 4341 Message: 4356

Better take a look at what the FAA will say about that high...
I think the Car Guys are not over 150 ft of line.

73 Dean W5GXL

Disclaimer: Any errors in spelling, or fact are
transmission errors.

On Mar 8, 2008, at 6:51 PM, Phil Bader wrote:

> How about #28 enameled wire with a birthday helium balloon! Almost
> invisable.
> Reminds me:
> We have a lot of car dealerships around us that advertise by
> attaching a large balloon (maybe 3 feet across?) to a cord with
> flags,and it floats up 3-400 feet! Man,now THAT's an end fed long
> wire! Hoooboy.
> Phil
> Philip Bader
> pbader@...
> Amateur call: KI4NUC, Winter Haven, Fl.
> Member: Lakeland Amateur Radio Club
> http://www.lakelandarc.org/
> Currently: Polk County School Board Electronics
> Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006
>
> ----- Original Message -----
> From: John P.
> To: ham-antennas@yahoogroups.com
> Sent: Saturday, March 08, 2008 6:31 PM
> Subject: Re: [ham-antennas] Re: HELP FROM GROUP PLEASE
>
> Back in the very late 60's, I knew a ham in Brooklyn, NY that had a
> similar problem. He used a tuner to load his 100 watt transceiver
> into the steam heating pipes in the building. Worked GREAT!!
>
> Sam Saladino <ortracr@...> wrote:
> That's a possibility as well, but I have no idea which floor Robert
> lives on, it was his post I was answering. In his original post he
> also said that no wire antennas were allowed at his complex which is
> why I was trying to give him other ideas. Using the method you
> suggest would/should be fine after dark, when nobody is around but
> then you'd miss out on the bands that are active only during daylight
> hours so you'd still need another antenna to enjoy those.
>
> ---

> Never miss a thing. Make Yahoo your homepage.
>
> [Non-text portions of this message have been removed]
>
> ---
>
> No virus found in this incoming message.
> Checked by AVG.
> Version: 7.5.518 / Virus Database: 269.21.7/1319 - Release Date:
> 3/8/2008 10:14 AM
>
> [Non-text portions of this message have been removed]
>
>
>

[Non-text portions of this message have been removed]

4357. RE: [ham-antennas] Re: HELP FROM GROUP PLEASE

Yahoo group: ham-antennas (2008)
Date: 2008-03-09 04:03:44 UTC
From: AE5MH
Topic: 4341 Message: 4357

The FCC says 200' structure.. The reason for that is that over 200' requires either a day stobe or red/white paint, and has to be night red beaconed. Oh yeah and registration with the FCC with the registration number posted.

Over 200' is not considered amateur operations.
The lighting over 200' is an FAA requirement.

AE5MH

-----Original Message-----
From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Dean L.
Sent: Saturday, March 08, 2008 7:39 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: HELP FROM GROUP PLEASE

Better take a look at what the FAA will say about that high...
I think the Car Guys are not over 150 ft of line.

73 Dean W5GXL

Disclaimer: Any errors in spelling, or fact are
transmission errors.

On Mar 8, 2008, at 6:51 PM, Phil Bader wrote:

> How about #28 enameled wire with a birthday helium balloon! Almost
> invisable.
> Reminds me:
> We have a lot of car dealerships around us that advertise by
> attaching a large balloon (maybe 3 feet across?) to a cord with
> flags,and it floats up 3-400 feet! Man,now THAT's an end fed long
> wire! Hoooboy.
> Phil
> Philip Bader
> pbader@...
> Amateur call: KI4NUC, Winter Haven, Fl.
> Member: Lakeland Amateur Radio Club
> http://www.lakelandarc.org/
> Currently: Polk County School Board Electronics
> Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006
>
> ----- Original Message -----
> From: John P.
> To: ham-antennas@yahoogroups.com
> Sent: Saturday, March 08, 2008 6:31 PM

> Subject: Re: [ham-antennas] Re: HELP FROM GROUP PLEASE
>
> Back in the very late 60's, I knew a ham in Brooklyn, NY that had a
> similar problem. He used a tuner to load his 100 watt transceiver
> into the steam heating pipes in the building. Worked GREAT!!
>
> Sam Saladino <ortracr@...> wrote:
> That's a possibility as well, but I have no idea which floor Robert
> lives on, it was his post I was answering. In his original post he
> also said that no wire antennas were allowed at his complex which is
> why I was trying to give him other ideas. Using the method you
> suggest would/should be fine after dark, when nobody is around but
> then you'd miss out on the bands that are active only during daylight
> hours so you'd still need another antenna to enjoy those.
>
> ---
> Never miss a thing. Make Yahoo your homepage.
>
> [Non-text portions of this message have been removed]
>
> ---
>
> No virus found in this incoming message.
> Checked by AVG.
> Version: 7.5.518 / Virus Database: 269.21.7/1319 - Release Date:
> 3/8/2008 10:14 AM
>
> [Non-text portions of this message have been removed]
>
>
>

[Non-text portions of this message have been removed]

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
to ALL 974 members (as of 11/07/07, and attachments are NOT permitted.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com

Yahoo! Groups Links

4358. RE: [ham-antennas] Re: HELP FROM GROUP PLEASE

Yahoo group: ham-antennas (2008)
Date: 2008-03-09 05:15:12 UTC
From: James M.(Jim) Geidl
Topic: 4341 Message: 4358

Plus about a trillion local, state and regional ordinances.

Jim, K6JMG
//

> [mailto:ham-antennas@yahoogroups.com] On Behalf Of AE5MH
> Sent: Saturday, March 08, 2008 8:04 PM
> To: ham-antennas@yahoogroups.com
> Subject: RE: [ham-antennas] Re: HELP FROM GROUP PLEASE
>
> The FCC says 200' structure.. The reason for that is that over 200'
> requires either a day stobe or red/white paint, and has to be
> night red beaconed. Oh yeah and registration with the FCC
> with the registration number posted.
>
> Over 200' is not considered amateur operations.
> The lighting over 200' is an FAA requirement.
>
> AE5MH
>
> -----Original Message-----
> From: ham-antennas@yahoogroups.com
> [mailto:ham-antennas@yahoogroups.com] On Behalf Of Dean L.
> Sent: Saturday, March 08, 2008 7:39 PM
> To: ham-antennas@yahoogroups.com
> Subject: Re: [ham-antennas] Re: HELP FROM GROUP PLEASE
>
> Better take a look at what the FAA will say about that high...
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> > miss out on the bands that are active only during daylight hours so
> > you'd still need another antenna to enjoy those.
> >

4359. Dipole on my fence

Yahoo group: ham-antennas (2008)
Date: 2008-03-09 05:34:20 UTC
From: pitbon
Topic: 4359 Message: 4359

Due to my HOA restrictions i want to try a dipole on my split rail fence.
Anyone tried this and had success?

The only thing im worried about is the feed line touching the
ground...is that a problem? I thought i had read that somewhere.

My fence is about 4 foot high but because of my lot lay out, the fence
in my back yard is about 20 foot higher than my ground floor level of
my home.
Can I just lay the feed line on the ground or what does anyone
suggest? Im of course trying to be stealthy with the whole thing so
any suggestions would be GREATLY appreciated!

Bonner KJ4BKK

4360. RE: [ham-antennas] Dipole on my fence

Yahoo group: ham-antennas (2008)
Date: 2008-03-09 06:10:30 UTC
From: James M.(Jim) Geidl
Topic: 4359 Message: 4360

Bonner,

Contact Sherman, WA6TVS, I think he has his Cobra Ultralite running along a fence. I can tell you from talking to him that it works great.

Jim, K6JMG
//

> [mailto:ham-antennas@yahoogroups.com] On Behalf Of pitbon
> Sent: Saturday, March 08, 2008 9:34 PM
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] Dipole on my fence
>
> Due to my HOA restrictions i want to try a dipole on my split
> rail fence.
> Anyone tried this and had success?
>
> The only thing im worried about is the feed line touching the
> ground...is that a problem? I thought i had read that somewhere.
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> My fence is about 4 foot high but because of my lot lay out,
> the fence in my back yard is about 20 foot higher than my
> ground floor level of my home.
> Can I just lay the feed line on the ground or what does
> anyone suggest? Im of course trying to be stealthy with the
> whole thing so any suggestions would be GREATLY appreciated!
>
>
> Bonner KJ4BKK
>

4361. RE: [ham-antennas] Re: HELP FROM GROUP PLEASE

Yahoo group: ham-antennas (2008)
Date: 2008-03-09 14:13:27 UTC
From: AE5MH
Topic: 4341 Message: 4361

Well I'm sure that would be the case in 6 land!

Tell them its spotted owl bird habitat!

-----Original Message-----
From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of James M.(Jim) Geidl
Sent: Saturday, March 08, 2008 11:15 PM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Re: HELP FROM GROUP PLEASE

Plus about a trillion local, state and regional ordinances.

Jim, K6JMG
//

> [mailto:ham-antennas@yahoogroups.com] On Behalf Of AE5MH
> Sent: Saturday, March 08, 2008 8:04 PM
> To: ham-antennas@yahoogroups.com
> Subject: RE: [ham-antennas] Re: HELP FROM GROUP PLEASE
>
> The FCC says 200' structure.. The reason for that is that over 200'
> requires either a day stobe or red/white paint, and has to be
> night red beaconed. Oh yeah and registration with the FCC
> with the registration number posted.
>
> Over 200' is not considered amateur operations.
> The lighting over 200' is an FAA requirement.
>
> AE5MH
>
> -----Original Message-----
> From: ham-antennas@yahoogroups.com
> [mailto:ham-antennas@yahoogroups.com] On Behalf Of Dean L.
> Sent: Saturday, March 08, 2008 7:39 PM
> To: ham-antennas@yahoogroups.com
> Subject: Re: [ham-antennas] Re: HELP FROM GROUP PLEASE
>
> Better take a look at what the FAA will say about that high...
> I think the Car Guys are not over 150 ft of line.
>
> 73 Dean W5GXL
>
> Disclaimer: Any errors in spelling, or fact are transmission errors.
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>
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> On Mar 8, 2008, at 6:51 PM, Phil Bader wrote:
>
> > How about #28 enameled wire with a birthday helium balloon! Almost
> > invisable.
> > Reminds me:
> > We have a lot of car dealerships around us that advertise
> by attaching
> > a large balloon (maybe 3 feet across?) to a cord with flags,and it
> > floats up 3-400 feet! Man,now THAT's an end fed long wire! Hoooboy.
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> > Philip Bader
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> > Amateur call: KI4NUC, Winter Haven, Fl.
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> > ----- Original Message -----
> > From: John P.
> > To: ham-antennas@yahoogroups.com
> > Sent: Saturday, March 08, 2008 6:31 PM
> > Subject: Re: [ham-antennas] Re: HELP FROM GROUP PLEASE
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> transceiver into
> > the steam heating pipes in the building. Worked GREAT!!
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> > Sam Saladino <ortracr@...> wrote:
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> > why I was trying to give him other ideas. Using the method
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> > miss out on the bands that are active only during daylight hours so
> > you'd still need another antenna to enjoy those.
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Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com

List owner: ham-antennas-owner@yahoogroups.com

Yahoo! Groups Links

4362. Re: [ham-antennas] Re: HELP FROM GROUP PLEASE

Yahoo group: ham-antennas (2008)
Date: 2008-03-09 15:50:28 UTC
From: Dean L.
Topic: 4341 Message: 4362

I think you will find the 200 ft FAA rule in all the land. And if
you are close to an airport. and that goes out for miles,
restrictions are lower. Some as low as 70 feet or less.
Then you get into County and City restrictions. Permits, Boards for
zoning variances. Every group has a say in your tower.
I was turned down at one location because the locals thought it would
kill the birds.
But they still want there phones to work every where they wander.
Even hams must look out for zoning of towers. Some governing bodies
think a tower will fall straight over and not crumple if it falls...
So you must have more space around your tower than it is tall..
Sure nice to be retired...
73
Dean L.
W5GXL@...

On Mar 9, 2008, at 9:13 AM, AE5MH wrote:

> Well I'm sure that would be the case in 6 land!
>
> Tell them its spotted owl bird habitat!
>
> -----Original Message-----
> From: ham-antennas@yahoogroups.com [mailto:ham-
> antennas@yahoogroups.com] On
> Behalf Of James M.(Jim) Geidl
> Sent: Saturday, March 08, 2008 11:15 PM
> To: ham-antennas@yahoogroups.com
> Subject: RE: [ham-antennas] Re: HELP FROM GROUP PLEASE
>
> Plus about a trillion local, state and regional ordinances.
>
> Jim, K6JMG
> //
>
> > [mailto:ham-antennas@yahoogroups.com] On Behalf Of AE5MH
> > Sent: Saturday, March 08, 2008 8:04 PM
> > To: ham-antennas@yahoogroups.com
> > Subject: RE: [ham-antennas] Re: HELP FROM GROUP PLEASE
> >
> > The FCC says 200' structure.. The reason for that is that over 200'
> > requires either a day stobe or red/white paint, and has to be
> > night red beaconed. Oh yeah and registration with the FCC
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> >

> > Over 200' is not considered amateur operations.
> > The lighting over 200' is an FAA requirement.
> >
> > AE5MH
> >
> > -----Original Message-----
> > From: ham-antennas@yahoogroups.com
> > [mailto:ham-antennas@yahoogroups.com] On Behalf Of Dean L.
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> > To: ham-antennas@yahoogroups.com
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> >
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> > 73 Dean W5GXL
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> > On Mar 8, 2008, at 6:51 PM, Phil Bader wrote:
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> > > How about #28 enameled wire with a birthday helium balloon! Almost
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> > > Reminds me:
> > > We have a lot of car dealerships around us that advertise
> > by attaching
> > > a large balloon (maybe 3 feet across?) to a cord with
> flags,and it
> > > floats up 3-400 feet! Man,now THAT's an end fed long wire!
> Hoooboy.
> > > Phil

[Non-text portions of this message have been removed]

4363. Re: [ham-antennas] Dipole on my fence

Yahoo group: ham-antennas (2008)
Date: 2008-03-09 16:32:35 UTC
From: Phil Bader
Topic: 4359 Message: 4363

There is a method where an antenna is mounted very low to the ground,on the order of several feet I think. The method is referred to as a "cloud warmer" due to it's very high (almost up) radiation angle. End feds,dipoles, and more comminly low band loop antennas are used.
Here is a url link to one of the designs.
http://www.hamuniverse.com/nvisbeam.html
Hope This Helps,
Phil
Philip Bader
pbader@...
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakelandarc.org/
Currently: Polk County School Board Electronics
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006

----- Original Message -----
From: pitbon
To: ham-antennas@yahoogroups.com
Sent: Sunday, March 09, 2008 1:34 AM
Subject: [ham-antennas] Dipole on my fence

Due to my HOA restrictions i want to try a dipole on my split rail fence.
Anyone tried this and had success?

The only thing im worried about is the feed line touching the
ground...is that a problem? I thought i had read that somewhere.

My fence is about 4 foot high but because of my lot lay out, the fence
in my back yard is about 20 foot higher than my ground floor level of
my home.
Can I just lay the feed line on the ground or what does anyone
suggest? Im of course trying to be stealthy with the whole thing so
any suggestions would be GREATLY appreciated!

Bonner KJ4BKK

No virus found in this incoming message.
Checked by AVG.
Version: 7.5.518 / Virus Database: 269.21.7/1319 - Release Date: 3/8/2008 10:14 AM

[Non-text portions of this message have been removed]

4364. Re: [ham-antennas] Dipole on my fence

Yahoo group: ham-antennas (2008)
Date: 2008-03-09 16:49:13 UTC
From: Brian Erwin
Topic: 4359 Message: 4364

When I was getting started in HF I had the rig and a long wire antenna. It worked pretty well and I was able to tune it to almost any band.

I have no restrictions in my neighborhood and I am pretty good with that but I wanted to be stealthy because I was in a new house and I didn't want to start a frenzy on my block.

I took this long wire antenna and shot a line up into the tree in the back yard and pulled one
end through the tree. I did this a couple of other times and got part of the Antenna to stay up in the tree.

My next door neighbor had a wooden fence and when he put it up made sure that the good side was on the inside and the construction side was was facing out.

My advantage was to run the wire from the tree to the fence and staple it to the long boards along the top of "his fence". He was not able to see it because he had the pretty side
to look at.

By using a tuner I was able to get all bands and work coast to coast.

Now I use a diploe strung up in my trees!

Brian - KC9FAV

Phil Bader <PBADER@...> wrote:
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Sent: Sunday, March 09, 2008 1:34 AM
Subject: [ham-antennas] Dipole on my fence

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[Non-text portions of this message have been removed]

Never miss a thing. Make Yahoo your homepage.

[Non-text portions of this message have been removed]

4365. Re: [ham-antennas] Dipole on my fence

Yahoo group: ham-antennas (2008)
Date: 2008-03-09 17:39:43 UTC
From: W8OKN
Topic: 4359 Message: 4365

You can bury a dipole, if you'd like.

Many experiments like this have been conducted. Who knows, maybe the mother of invention... is...

Sean
W8OKN

----- Original Message -----
From: Phil Bader
To: ham-antennas@yahoogroups.com
Sent: Sunday, March 09, 2008 12:32 PM
Subject: Re: [ham-antennas] Dipole on my fence

There is a method where an antenna is mounted very low to the ground,on the order of several feet I think. The method is referred to as a "cloud warmer" due to it's very high (almost up) radiation angle. End feds,dipoles, and more comminly low band loop antennas are used.
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Hope This Helps,
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Philip Bader
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----- Original Message -----
From: pitbon
To: ham-antennas@yahoogroups.com
Sent: Sunday, March 09, 2008 1:34 AM
Subject: [ham-antennas] Dipole on my fence

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Bonner KJ4BKK

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[Non-text portions of this message have been removed]

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[Non-text portions of this message have been removed]

4366. Re: [ham-antennas] Dipole on my fence

Yahoo group: ham-antennas (2008)
Date: 2008-03-09 17:42:20 UTC
From: Phil Bader
Topic: 4359 Message: 4366

I meant to mention that with these "cloud warmers" usually a wire counterpoise is ran on the ground directly beneath the radiating wire. Really, all an antenna is supposed to do is radiate energy. I've heard of hams talking from their dummy loads (unintended). Hams will always get on the air!
Best,
Phil
Philip Bader
pbader@...
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakelandarc.org/
Currently: Polk County School Board Electronics
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006

----- Original Message -----
From: Brian Erwin
To: ham-antennas@yahoogroups.com
Sent: Sunday, March 09, 2008 12:49 PM
Subject: Re: [ham-antennas] Dipole on my fence

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Now I use a diploe strung up in my trees!

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From: pitbon
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[Non-text portions of this message have been removed]

Never miss a thing. Make Yahoo your homepage.

[Non-text portions of this message have been removed]

No virus found in this incoming message.
Checked by AVG.
Version: 7.5.518 / Virus Database: 269.21.7/1322 - Release Date: 3/9/2008 12:17 PM

[Non-text portions of this message have been removed]

4367. Re: [ham-antennas] Dipole on my fence

Yahoo group: ham-antennas (2008)
Date: 2008-03-09 17:44:15 UTC
From: Phil Bader
Topic: 4359 Message: 4367

I've heard of 160 meter listening antennas buried. Really cuts out the static. Usually the transmitting antenna is some sort of a shunt fed tower.
Phil
Philip Bader
pbader@...
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakelandarc.org/
Currently: Polk County School Board Electronics
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----- Original Message -----
From: W8OKN
To: ham-antennas@yahoogroups.com
Sent: Sunday, March 09, 2008 1:39 PM
Subject: Re: [ham-antennas] Dipole on my fence

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From: Phil Bader
To: ham-antennas@yahoogroups.com
Sent: Sunday, March 09, 2008 12:32 PM
Subject: Re: [ham-antennas] Dipole on my fence

There is a method where an antenna is mounted very low to the ground,on the order of several feet I think. The method is referred to as a "cloud warmer" due to it's very high (almost up) radiation angle. End feds,dipoles, and more comminly low band loop antennas are used.
Here is a url link to one of the designs.
http://www.hamuniverse.com/nvisbeam.html
Hope This Helps,
Phil
Philip Bader
pbader@...
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakelandarc.org/
Currently: Polk County School Board Electronics
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006

----- Original Message -----
From: pitbon
To: ham-antennas@yahoogroups.com
Sent: Sunday, March 09, 2008 1:34 AM
Subject: [ham-antennas] Dipole on my fence

Due to my HOA restrictions i want to try a dipole on my split rail fence.
Anyone tried this and had success?

The only thing im worried about is the feed line touching the
ground...is that a problem? I thought i had read that somewhere.

My fence is about 4 foot high but because of my lot lay out, the fence
in my back yard is about 20 foot higher than my ground floor level of
my home.
Can I just lay the feed line on the ground or what does anyone
suggest? Im of course trying to be stealthy with the whole thing so
any suggestions would be GREATLY appreciated!

Bonner KJ4BKK

No virus found in this incoming message.
Checked by AVG.
Version: 7.5.518 / Virus Database: 269.21.7/1319 - Release Date: 3/8/2008 10:14 AM

[Non-text portions of this message have been removed]

No virus found in this incoming message.
Checked by AVG.
Version: 7.5.518 / Virus Database: 269.21.7/1319 - Release Date: 3/8/2008 10:14 AM

[Non-text portions of this message have been removed]

No virus found in this incoming message.
Checked by AVG.
Version: 7.5.518 / Virus Database: 269.21.7/1322 - Release Date: 3/9/2008 12:17 PM

[Non-text portions of this message have been removed]

4368. RE: [ham-antennas] Dipole on my fence

Yahoo group: ham-antennas (2008)
Date: 2008-03-09 17:57:58 UTC
From: Mark Saunders, KJ7BS
Topic: 4359 Message: 4368

Bonner,

Your feedline can lay on the ground so long as it is coax. Open wire line will experience a lot of loss if laid on the ground or buried. As for the antenna, such low antenna will be a "local" antenna at best a few hundred miles as a dipole that close to the ground is an NVIS "Near Vertical Incident Skywave" where most if not all of your signal goes up instead of out. These make great antennas for geographical communications like during a disaster where you want to communicate with teams in the immediate or near immediate area.

Think about an end-fed wire antenna. If you make it/them out of small gauge wire, say 26 ga, nobody will be able to see it unless very close to the antenna.

Another alternative is the PAC-12 portable antenna. This antenna is designed for backpacking and portable use. I have one I use a lot. It is not a stacked set of beams but does quite well. This is a short vertical with radials and stands 10 - 12 feet tall. One option for this antenna is a coil that allows you to adjust the resonate frequency from 10 to 40 meters. The antenna easily handles 100w and I've made contact with Japan, Brazil, Alasks, Hawaii on it this far in 2008. http://www.pacificantenna.com/

Mark, KJ7BS
Glendale, AZ
Editor, The SKCC Centurion
Elecraft K2 S/N 0539
Fists # 2972 CC 1806
SKCC # 2240 C56 T20

MQFD # 128
QRP-ARCI # 12647
AZ ScQRPions

COGRC Emergency Communications

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of pitbon
Sent: Saturday, March 08, 2008 10:34 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Dipole on my fence

Due to my HOA restrictions i want to try a dipole on my split rail fence. Anyone tried this and had success?

The only thing im worried about is the feed line touching the ground...is that a problem? I thought i had read that somewhere.

My fence is about 4 foot high but because of my lot lay out, the fence in my back yard is about 20 foot higher than my ground floor level of my home.
Can I just lay the feed line on the ground or what does anyone suggest? Im of course trying to be stealthy with the whole thing so any suggestions would be GREATLY appreciated!

Bonner KJ4BKK

[Non-text portions of this message have been removed]

4369. Re: HELP FROM GROUP PLEASE

Yahoo group: ham-antennas (2008)
Date: 2008-03-09 19:47:31 UTC
From: stacywilliams6908
Topic: 4341 Message: 4369

--- In ham-antennas@yahoogroups.com, "Phil Bader" <PBADER@...> wrote:
>
> hello, all. I'm a new member to this forum. You know, Sam, if you
live in an upper floor apartment, there is no reason why you
can't "top feed" a wire suspended over the balcony railing. Many hams
have a small fishing reel with thin wire and a weight at the end.
Unreel it down for listening session. After unreeling to a good
length, clip a wire at the top (reel end) that goes over to your
radio. When done,unhook and reel it up. End-fed antennas don't care
which end! Less critical for SWL Vs transmitting.
> Respectfully,
> Phil
> Philip Bader
> pbader@...
> Amateur call: KI4NUC, Winter Haven, Fl.
> Member: Lakeland Amateur Radio Club
> http://www.lakelandarc.org/
> Currently: Polk County School Board Electronics
> Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006
>
>
> ----- Original Message -----
> From: Sam Saladino
> To: ham-antennas@yahoogroups.com
> Sent: Saturday, March 08, 2008 8:54 AM
> Subject: [ham-antennas] Re: HELP FROM GROUP PLEASE
>
>
> FORGOT TO ADD!
>
> Another of my older receivers is a Zenith Trans Oceanic R7000
that has
> a built-in Whip Antenna that's not even six feet long and even
that
> does a surprising job on reception.
>
> Sam
>
>
>
>
>
>
> ----------

>
>
> No virus found in this incoming message.
> Checked by AVG.
> Version: 7.5.518 / Virus Database: 269.21.6/1318 - Release Date:
3/7/2008 2:01 PM
>
>
> [Non-text portions of this message have been removed]
>
HI all,

I have the same king of dilema as Sam. Having considerded the
fishing rod senario, it seems relative simple to bring in your
antenna each time.

Also, an anttena such as this will not be as noticeable as a permanet
type.

4370. Re: [ham-antennas] Re: HELP FROM GROUP PLEASE

Yahoo group: ham-antennas (2008)
Date: 2008-03-10 01:56:27 UTC
From: Wayne
Topic: 4341 Message: 4370

Speaking of killing birds, I have evidently whacked a few with the two
meter magnet mount on my vehicle. Nice loud twang at 70 MPH....
regarding airports, there used to be a spec of only so many feet for each
so many feet from a runway, Got higher as you got farther away.
The information as I recallw an in the amateur handbook way back. Look
through one from the 50's or 60's, should be in there if I am not mistaken.
I would love to have a tower like they have at the fire station here,
nice tall, heavy wand well guyed. Looks to have 5 or 6 antennas on it,
including a loop dipole array...
I'm not sure how hight it is, but no lights on it, at east not that I
saw, while the cell phone tower north of town has strobe for day and
flashing red for night, so must be below the requirement for lights...
Looks to be at least 90 to 100 feet tall.

Wayne WA2YNE
Imperial, Tejas

On Sun, 09 Mar 2008 10:50:28 -0500, Dean L. <w5gxl@...> wrote:

> I think you will find the 200 ft FAA rule in all the land. And if
> you are close to an airport. and that goes out for miles,
> restrictions are lower. Some as low as 70 feet or less.
> Then you get into County and City restrictions. Permits, Boards for
> zoning variances. Every group has a say in your tower.
> I was turned down at one location because the locals thought it would
> kill the birds.
> But they still want there phones to work every where they wander.
> Even hams must look out for zoning of towers. Some governing bodies
> think a tower will fall straight over and not crumple if it falls...
> So you must have more space around your tower than it is tall..
> Sure nice to be retired...
> 73
> Dean L.
> W5GXL@...
>
>
>
--
Using Opera's revolutionary e-mail client: http://www.opera.com/mail/

4371. Re: Telrex Model Identification

Yahoo group: ham-antennas (2008)
Date: 2008-03-10 03:30:14 UTC
From: comtinker
Topic: 4304 Message: 4371

Pics have been posted of the antenna. If anymore is needed I have a
few more of the element lengths. Can anyone identify it?

Thanks

--- In ham-antennas@yahoogroups.com, "comtinker" <sgweb@...> wrote:
>
> I think you may be right. I did get a camera and will try to
figure
> out how to post a few pics when I get a chance and the weather
> permits. I do not have the antenna assembled but hopefully someone
> can identify it from the parts. The element isolation brackets
that
> are used look unique to me but then again this is the first Telrex
I
> have seen.
>
> Thanks
>
> --- In ham-antennas@yahoogroups.com, Dave Oldridge <doldridg@>
> wrote:
> >
> > On 4 Mar 2008 at 10:04, comtinker wrote:
> >
> > > Hello to all. I am new here, please look over my mistakes. I
> > > have a sort of a problem trying to ID a beam antenna. I don't
> > > have all the specs at the moment but maybe someone will know
> > > without all of them. The antenna has the name of Telrex on it
> > > and it's a 3 element beam with a boom just shy of 10 feet. The
> > > elements do not go through the boom. They are held in place
> > > with what appears to be bolt together insulators, which is what
> > > has the Telrex name on it. The shortest element is around 15
> > > foot with the longest element around 17 foot. Each element has
> > > what I assume to be some sort of matching attached to it in a
> > > sort of loop that is attached to the boom. Can anyone identify
> > > this antenna?
> >
> > Sounds like a Telrex 3-element 10 meter yagi. They used to be
> > famous for their very effective and sturdy beam antennas. W2HCW
> > used to dominate the North Atlantic path with a 3-element 80
> > meter beam they made for him. Of course his location helped,
> > too, along with a good amplifier, but he could also hear well...
> >
> > As far as I know, the company is defunct now. But if the beam
is

> > in good shape, it ought to be usable. Many of their antennas
are
> > still in service.
> >
> >
> > --
> >
> > Dave Oldridge
> > ICQ 1800667
> > VA7CZ
> >
>

4372. Re: [ham-antennas] Re: HELP FROM GROUP PLEASE

Yahoo group: ham-antennas (2008)
Date: 2008-03-10 04:48:05 UTC
From: Dean L.
Topic: 4341 Message: 4372

The way you find out is to go to the city. They will have this
drawing with all the distance and hight requirements on it.. If the
tower is on the side it can be higher than if it is off the end of
the runway. Also it depends on what kind of instrument landing
system they have or not. And even if you are still under the
drawings height the FAA office for your area can tell you what else
you must do... Lights or strobes or if it must be painted.
I have even ran into a blockage from a filing the local airport did
years ago for a second runway crossing the main runway.. As far as
the FAA was concerned it was in force...
Also... If you are near an AM radio station you may have to do some
Very Expensive work to replace the AM pattern of radiation. This can
be needed even if you are MILES away from the stations tower...
Everyone is Right and you are in the Wrong..

Dean L.
W5GXL@...

On Mar 9, 2008, at 8:56 PM, Wayne wrote:

> Speaking of killing birds, I have evidently whacked a few with
> the two
> meter magnet mount on my vehicle. Nice loud twang at 70 MPH....
> regarding airports, there used to be a spec of only so many feet
> for each
> so many feet from a runway, Got higher as you got farther away.
> The information as I recallw an in the amateur handbook way back.
> Look
> through one from the 50's or 60's, should be in there if I am not
> mistaken.
> I would love to have a tower like they have at the fire station
> here,
> nice tall, heavy wand well guyed. Looks to have 5 or 6 antennas on it,
> including a loop dipole array...
> I'm not sure how hight it is, but no lights on it, at east not
> that I
> saw, while the cell phone tower north of town has strobe for day and
> flashing red for night, so must be below the requirement for lights...
> Looks to be at least 90 to 100 feet tall.
>
> Wayne WA2YNE
> Imperial, Tejas
>
>
> On Sun, 09 Mar 2008 10:50:28 -0500, Dean L. <w5gxl@...> wrote:
>

>> I think you will find the 200 ft FAA rule in all the land. And if
>> you are close to an airport. and that goes out for miles,
>> restrictions are lower. Some as low as 70 feet or less.
>> Then you get into County and City restrictions. Permits, Boards for
>> zoning variances. Every group has a say in your tower.
>> I was turned down at one location because the locals thought it would
>> kill the birds.
>> But they still want there phones to work every where they wander.
>> Even hams must look out for zoning of towers. Some governing bodies
>> think a tower will fall straight over and not crumple if it falls...
>> So you must have more space around your tower than it is tall..
>> Sure nice to be retired...
>> 73
>> Dean L.
>> W5GXL@...
>>
>>
>>
> --
> Using Opera's revolutionary e-mail client: http://www.opera.com/mail/
>
>
> HAM ANTENNAS Anything and everything, tell us or ask questions.
> Replies go to ALL 974 members (as of 11/07/07, and attachments are
> NOT permitted.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
>
> Yahoo! Groups Links
>
>
>

[Non-text portions of this message have been removed]

4373. 144/440 antenna for a window

Yahoo group: ham-antennas (2008)
Date: 2008-03-11 03:01:57 UTC
From: John
Topic: 4373 Message: 4373

First off I am new to the group, so hi to all.
Now I am trying to get my uncle back on the air. He is 90 an has moved into a an assisted living trailer park. Can you believe it they can't put up any kind of antenna. (In a trailer park, go figure)
I managed to put up a wire for his HF, but the repeater work is not so easy. I remember someone making a dual band out of alarm tape on a window. Does anyone know how to do this? I tried to put him an antenna inside but it was hit and miss at best.
73 John KE5JRM

4374. RE: [ham-antennas] 144/440 antenna for a window

Yahoo group: ham-antennas (2008)
Date: 2008-03-11 04:12:42 UTC
From: James M.(Jim) Geidl
Topic: 4373 Message: 4374

I assume you are talking about 2m/220/440 repeaters. How about a nice HT?

Jim, K6JMG
//

> [mailto:ham-antennas@yahoogroups.com] On Behalf Of John
> Sent: Monday, March 10, 2008 7:02 PM
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] 144/440 antenna for a window
>
> First off I am new to the group, so hi to all.
> Now I am trying to get my uncle back on the air. He is 90 an
> has moved into a an assisted living trailer park. Can you
> believe it they can't put up any kind of antenna. (In a
> trailer park, go figure) I managed to put up a wire for his
> HF, but the repeater work is not so easy. I remember someone
> making a dual band out of alarm tape on a window. Does anyone
> know how to do this? I tried to put him an antenna inside but
> it was hit and miss at best.
> 73 John KE5JRM

4375. Re: [ham-antennas] 144/440 antenna for a window

Yahoo group: ham-antennas (2008)
Date: 2008-03-11 03:48:09 UTC
From: trucken4peace@yahoo.com
Topic: 4373 Message: 4375

How about a mag mount dual band on a tool box? Works for me. Does he have a vent he could use? I have not tried the vhf/uhf antenna but the HFp is great. Its an antenna that slides over a vent. It also has good reviews. www.ventenna.com I hope that helps.

KE7JSL
John Hinshaw
Sent via BlackBerry from T-Mobile

4376. Re: [ham-antennas] 144/440 antenna for a window

Yahoo group: ham-antennas (2008)
Date: 2008-03-11 04:20:30 UTC
From: Richard Arland, W3OSS
Topic: 4373 Message: 4376

I have found that a small (about 7-9 inch) pizza pan (steel, of course) works very well with a dual band V/UHF antenna.

73 Rich W3OSS

4377. Re: 144/440 antenna for a window

Yahoo group: ham-antennas (2008)
Date: 2008-03-11 06:02:50 UTC
From: John
Topic: 4373 Message: 4377

All Great ideas, but again it is a mobile home made of metal with metal blinds. I cannot put anything outside that looks like an antenna. The only thing I can think of is alarm tape on a window or something like that. He has an HT but the repeaters are about 15 miles away and the metal od the mobile home is blocking the signal. Outside it works like a charm. I tried to make one but the SWR was 5.1+ so I know I did something wrong.

4378. Re: 144/440 antenna for a window

Yahoo group: ham-antennas (2008)
Date: 2008-03-11 06:07:40 UTC
From: John
Topic: 4373 Message: 4378

Thanks for the site. Mobile homes have different types of vents but I bet this will come in handy.
John KE5JRM

4379. Re: [ham-antennas] Re: 144/440 antenna for a window

Yahoo group: ham-antennas (2008)
Date: 2008-03-11 09:27:02 UTC
From: hermit
Topic: 4373 Message: 4379

How abt a mobile HT antenna? They are so small and thin perhaps nobody would see it. Put it on the middle of the roof and for sure no one would see it.

Dick KB3OMJ

>All Great ideas, but again it is a mobile home made of metal with metal
>blinds. I cannot put anything outside that looks like an antenna. The
>only thing I can think of is alarm tape on a window or something like
>that. He has an HT but the repeaters are about 15 miles away and the
>metal od the mobile home is blocking the signal. Outside it works like
>a charm. I tried to make one but the SWR was 5.1+ so I know I did
>something wrong.

4380. Re: [ham-antennas] Re: 144/440 antenna for a window

Yahoo group: ham-antennas (2008)
Date: 2008-03-11 13:41:47 UTC
From: Phil Bader
Topic: 4373 Message: 4380

OK- A "work-around" here... Have you seen those flags everyone mounts on the front of their homes? The mast is usually 3-4 feet long,and slips into a wall mounted bracket that suspends the flag on an angle. Usually about head-high,and there are colorful flags to interchange for the seasons. Very commonly used. There is a J-pole antenna project using either 300 ohm or 450 ohm transmission line. This can be slipped into the PVC pipe with a cap on top,and a descrete exit hole at bottom for RG-58U coax. Usually these are 2 mtrs, but I thinh they can be made dual band 144/440. I will look it up and send link. This solves your problm: it's outside, high enough,and is a flag pole.
Best,
Phil
Philip Bader
pbader@...
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakelandarc.org/
Currently: Polk County School Board Electronics
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006

----- Original Message -----
From: John
To: ham-antennas@yahoogroups.com
Sent: Tuesday, March 11, 2008 2:02 AM
Subject: [ham-antennas] Re: 144/440 antenna for a window

All Great ideas, but again it is a mobile home made of metal with metal blinds. I cannot put anything outside that looks like an antenna. The only thing I can think of is alarm tape on a window or something like that. He has an HT but the repeaters are about 15 miles away and the metal od the mobile home is blocking the signal. Outside it works like a charm. I tried to make one but the SWR was 5.1+ so I know I did something wrong.

No virus found in this incoming message.
Checked by AVG.
Version: 7.5.518 / Virus Database: 269.21.7/1324 - Release Date: 3/10/2008 7:27 PM

[Non-text portions of this message have been removed]

4381. some J-Pole projects with flat lead (2 meters)

Yahoo group: ham-antennas (2008)
Date: 2008-03-11 13:57:34 UTC
From: Phil Bader
Topic: 4381 Message: 4381

The pdf is a good project. Also included a url for another:
http://home.comcast.net/~buck0/ll_coolj.html
Hope these help,
Phil
Philip Bader
pbader@...
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakelandarc.org/
Currently: Polk County School Board Electronics
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006

[Non-text portions of this message have been removed]

4382. Re: [ham-antennas] some J-Pole projects with flat lead (2 meters)

Yahoo group: ham-antennas (2008)
Date: 2008-03-11 13:59:29 UTC
From: Phil Bader
Topic: 4381 Message: 4382

OK, I see this forum scrubs any attachments- If you want, I can send theantenna pdf directly to interested persons. Sorry,
Phil
Philip Bader
pbader@...
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakelandarc.org/
Currently: Polk County School Board Electronics
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006

----- Original Message -----
From: Phil Bader
To: ham-antennas@yahoogroups.com
Sent: Tuesday, March 11, 2008 9:57 AM
Subject: [ham-antennas] some J-Pole projects with flat lead (2 meters)

The pdf is a good project. Also included a url for another:
http://home.comcast.net/~buck0/ll_coolj.html
Hope these help,
Phil
Philip Bader
pbader@...
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakelandarc.org/
Currently: Polk County School Board Electronics
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006

[Non-text portions of this message have been removed]

No virus found in this incoming message.
Checked by AVG.
Version: 7.5.518 / Virus Database: 269.21.7/1324 - Release Date: 3/10/2008 7:27 PM

[Non-text portions of this message have been removed]

4383. New file uploaded to ham-antennas

Yahoo group: ham-antennas (2008)
Date: 2008-03-11 14:04:44 UTC
From: ham-antennas@yahoogroups.com
Topic: 389 Message: 4383

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the ham-antennas
group.

File : /ARRL dual band J Pole.pdf
Uploaded by : philipbader <PBADER@...>
Description : A 2 mtr dual band J pole antenna project using flat lead. Can mount inside PVC pipe.

You can access this file at the URL:
http://groups.yahoo.com/group/ham-antennas/files/ARRL%20dual%20band%20J%20Pole.pdf

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/members/web/index.htmlfiles

Regards,

philipbader <PBADER@...>

4384. Re: [ham-antennas] Re: 144/440 antenna for a window

Yahoo group: ham-antennas (2008)
Date: 2008-03-11 15:39:54 UTC
From: Dean L.
Topic: 4373 Message: 4384

Get some 1 to 1 1/2 inch pvc pipe.. Make it into a nice
flag pole... put your antenna inside the pipe and
mount it to the side of your home.
Fly the flag a lot.... hi hi

Dean L.
W5GXL@...

On Mar 11, 2008, at 1:02 AM, John wrote:

> All Great ideas, but again it is a mobile home made of metal with
> metal
> blinds. I cannot put anything outside that looks like an antenna. The
> only thing I can think of is alarm tape on a window or something like
> that. He has an HT but the repeaters are about 15 miles away and the
> metal od the mobile home is blocking the signal. Outside it works like
> a charm. I tried to make one but the SWR was 5.1+ so I know I did
> something wrong.
>
>
>

[Non-text portions of this message have been removed]

4385. Re: 144/440 antenna for a window

Yahoo group: ham-antennas (2008)
Date: 2008-03-11 16:20:37 UTC
From: Ronald Smith, Jr.
Topic: 4373 Message: 4385

John,

How about a 2 meter j-pole antenna, check this site
<http://www.kb3kai.com/j-pole.php>
they have a picture of a field-deployed J-Pole
hanging from a tree and it is hard to see. Or hang it from a porch
roof. If there is a tree in the yard near the trailer you could
attach it with fishing line and run the coax to the trailer, just be
careful when you cut the lawn. HI,HI
And the antenna should not cost much to make.

73 Ron N2MSV

--- In ham-antennas@yahoogroups.com, "John" <john.casteel99@...>
wrote:
>
> First off I am new to the group, so hi to all.
> Now I am trying to get my uncle back on the air. He is 90 an has
moved
> into a an assisted living trailer park. Can you believe it they
can't
> put up any kind of antenna. (In a trailer park, go figure)
> I managed to put up a wire for his HF, but the repeater work is
not
so
> easy. I remember someone making a dual band out of alarm tape on a
> window. Does anyone know how to do this? I tried to put him an
antenna
> inside but it was hit and miss at best.
> 73 John KE5JRM
>

4386. Re: 144/440 antenna for a window

Yahoo group: ham-antennas (2008)
Date: 2008-03-11 16:26:01 UTC
From: Sam Saladino
Topic: 4373 Message: 4386

--- In ham-antennas@yahoogroups.com, "Dean L." <w5gxl@...> wrote:
>
> Get some 1 to 1 1/2 inch pvc pipe.. Make it into a nice
> flag pole... put your antenna inside the pipe and
> mount it to the side of your home.
> Fly the flag a lot.... hi hi
>
> Dean L.
> W5GXL@...

PVC and J-Poles made from Twin-Lead mounted inside the PVC make good companions for stealth operations. Does he have a SHED outdoors next to his trailer? What is that made of? Metal or Wood? If wood mount the antennas inside of there. If not.. can he have a shed? Lots of fairly cheap ones made from wood and plastic that would make a nice hiding place. The don't have to be big either.

4387. ARRL dual band J pole inside a PVC pipe. link

Yahoo group: ham-antennas (2008)
Date: 2008-03-11 16:30:59 UTC
From: Phil Bader
Topic: 4387 Message: 4387

Here's the link to the files page. Go down to the ARRL file. That's the one.
Phil
http://groups.yahoo.com/group/ham-antennas/files/
Philip Bader
pbader@...
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakelandarc.org/
Currently: Polk County School Board Electronics
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006

[Non-text portions of this message have been removed]

4388. Re: [ham-antennas] Re: 144/440 antenna for a window

Yahoo group: ham-antennas (2008)
Date: 2008-03-11 16:30:39 UTC
From: Arthur Nienhouse
Topic: 4373 Message: 4388

Two ideas come to mind one is put an old style am antenna
on the vertical but use a 5/8 wave 144mhz or dual band
whip and matching network at the base.

The other is 10 to 12 years ago a friend won as a door prize
a folding square dual band loop made by some company in
Germany, outer square element was 144 mhz
the inner square loop was 440 mhz was in the corner by the
feet, it was designed to fold up like an old carpenters wooden
rule.
The feed was in the corner and could be set in a window
polarization change was possible with how the
thing was hung in the window, not sure if coax was supplied or if
the length was part of the antenna network for tuning or what
connector was used probably bnc I just don't remember.

Back in the late 60's I worked at Cadillac there was a
mechanic who was changing the power antenna am/fm
radio antenna to work low power on 11 meters, later
some Cadillac cars even came with am/fm cb radios
I would think the same power antenna could be configured
to work 144/440 mhz

Regards
Art
ka9zap

4389. Re: [ham-antennas] Re: 144/440 antenna for a window

Yahoo group: ham-antennas (2008)
Date: 2008-03-11 20:58:24 UTC
From: Richard Arland, W3OSS
Topic: 4373 Message: 4389

I have used a Ventenna disguised VHF antenna for a few years. My son-in-law used it on Tyndall AFB for three years as he didn't want to go thru the hassle of getting persmission from the Base Commander, Civil Engineers, God, and who knows whom else.....it works great on VHF. I am unsure as to wheter or not they have a dual band or a UHF model, but if it is good 'nuff for the CIA, DIA, NSA, and a couple other three letter organizations that do clandestine work, I think it will work pretty well for us.

Do a google on "Ventenna" and check them out.

73 Rich W3OSS

4390. Re: 144/440 antenna for a window

Yahoo group: ham-antennas (2008)
Date: 2008-03-11 21:03:03 UTC
From: james27613
Topic: 4373 Message: 4390

hi john,

take a look at this antenna, called half square for 2m,
direct fed 50 ohm coax, you can hang it in front of the
window inside or outside the trailer.

http://www.cebik.com/vhf/hs.html

you can use white (or other color #12 thhn solid wire)
wire to match the color of the trailer.

or hang it inside behind the window shade, nobody will
ever see it and your uncle will be able to get on the repeaters.

73 james ke4drn

4391. Re: [ham-antennas] Re: 144/440 antenna for a window

Yahoo group: ham-antennas (2008)
Date: 2008-03-11 21:05:04 UTC
From: richard erickson
Topic: 4373 Message: 4391

My 5th wheel has an attached, exterior radio antenna
that could be replaced. Mine also has a crank upTV
antenna that I could attached to. A wire J Pole out
the window . .

Copper J Pole with plastic propellers and paint like a
art/craft project?? Anything hung as a decoration . .
vertically or horizontally. Decorative umbrella could
be a ground plane . .

Flag pole . . aluminum . . or wood with wire grooved
in and
feed under a mat?

My personal choice would be taking whatever you have
made work and disguise it with decorations so it
simply looks like something else. I would look for
some decoration type I had seen within the park . . .
stands with flower pots . . awnings with decorations
hangings . .

A potted rose bush . . What if you put appropriate
length
dipoles . . maybe stretched out on a one by six so you
could put that up on his roof. It could be outside
the aluminum skin but maybe only 4, 6, or 8 inches
high so not to be visible from the ground. Black
disappears . . black board . . black wire . . thin . .
The Wireman has this incredibly
strong black wire he markets as invisible . . and it
is.

Richard
WB6LUJ

Now I am trying to get my uncle back on the air. He is
90 an has moved into a an assisted living trailer
park.

Never miss a thing. Make Yahoo your home page.
http://www.yahoo.com/r/hs

4392. Re: [ham-antennas] Re: 144/440 antenna for a window

Yahoo group: ham-antennas (2008)
Date: 2008-03-11 21:31:15 UTC
From: Leonard K. Pennock
Topic: 4373 Message: 4392

I have the Dual band Ventenna. Works ok on UHF. Gain is not very high
but given it or having to use a indoor antenna there is no comparison.

Richard Arland, W3OSS wrote:
> I have used a Ventenna disguised VHF antenna for a few years. My son-in-law
> used it on Tyndall AFB for three years as he didn't want to go thru the
> hassle of getting persmission from the Base Commander, Civil Engineers, God,
> and who knows whom else.....it works great on VHF. I am unsure as to wheter
> or not they have a dual band or a UHF model, but if it is good 'nuff for the
> CIA, DIA, NSA, and a couple other three letter organizations that do
> clandestine work, I think it will work pretty well for us.
>
> Do a google on "Ventenna" and check them out.
>
> 73 Rich W3OSS

--
Leonard K. Pennock
AD7AS

Those who walk bravely through life, unafraid of loss or failure,
find that they very rarely lose or fail.

4393. Re: 144/440 antenna for a window

Yahoo group: ham-antennas (2008)
Date: 2008-03-12 00:33:01 UTC
From: ke4nu_7
Topic: 4373 Message: 4393

--Goto http://www.hamuniverse.com, follow the link to antenna page, there are various hf and vhf antennas and most are easy to build. I've even done a few myself..hope this helps...73, Alan

4394. Re: [ham-antennas] Dipole on my fence

Yahoo group: ham-antennas (2008)
Date: 2008-03-12 06:07:00 UTC
From: Dave Oldridge
Topic: 4359 Message: 4394

On 9 Mar 2008 at 12:32, Phil Bader wrote:

> There is a method where an antenna is mounted very low to the
> ground,on the order of several feet I think. The method is
> referred to as a "cloud warmer" due to it's very high (almost
> up) radiation angle. End feds,dipoles, and more comminly low
> band loop antennas are used.

A very good antenna for this is a lazy-H configuration, basically two double-zepp antennas in phase. Make it 76x38m and put it 10m up and, over normal ground, it will project a strong overhead lobe on 75m. It will be quite strong out to about 250 miles, then fall off by more than 10db as distance increases to 600 miles. After that it falls off very rapidly. The antenna should have good rejection for low-angle noise, both locally-generated QRM from non-radio devices and distant thunderstorm QRN from storms outside the footprint.

Of course it's large and the price of gain is real estate.

--

Dave Oldridge
ICQ 1800667
VA7CZ

4395. new ocf dipole

Yahoo group: ham-antennas (2008)
Date: 2008-03-12 12:56:40 UTC
From: Bill
Topic: 4395 Message: 4395

Made an ocf dipole based on the one in the ARRL antenna book. Just slapped it together and figured I'd trim it after getting it in place. I pulled it up on a very temporary mast to about 15ft at the feedpoint. Got a match on all but 75m, but the low end of 80m was good. Measured more precise and folded back the ends to what was given in the book, and it got a little better, but still had to improve. Added about 250pf in series with the long leg and now I'm good up to 3900kHz. I saw one design that used 470pf, so that's next. This weekend I hope to make a good mast that will get me up to about 35ft. That's just over roof height, so I think the xyl will not complain too much. It's almost flat on 40m and 20m. I was told I was 20 over in VA from NY with a barefoot IC-735 on 75m. I think the biggest hurdle I had to get over was the idea of end-fed, carried over from swl days. I had one fed through a xfmr I made and got a match from 80 up through 17, but I don't know how efficient it was. But I did talk into europe, through pileups, on 20m a couple of times.

I'm having lots of fun!

Bill KC2SUO

4396. Re: [ham-antennas] new ocf dipole

Yahoo group: ham-antennas (2008)
Date: 2008-03-12 13:55:01 UTC
From: Commander John
Topic: 4395 Message: 4396

Where did you find out about adding capacitance in the antenna?
john w9zy
xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

Bill <wild_bill_yonder@...> wrote:
Made an ocf dipole based on the one in the ARRL antenna book. Just
slapped it together and figured I'd trim it after getting it in place.
I pulled it up on a very temporary mast to about 15ft at the feedpoint.
Got a match on all but 75m, but the low end of 80m was good. Measured
more precise and folded back the ends to what was given in the book,
and it got a little better, but still had to improve. Added about 250pf
in series with the long leg and now I'm good up to 3900kHz. I saw one
design that used 470pf, so that's next. This weekend I hope to make a

W9ZY
.... Commander John ....

[Non-text portions of this message have been removed]

4397. Re: new ocf dipole

Yahoo group: ham-antennas (2008)
Date: 2008-03-12 15:43:47 UTC
From: Bill
Topic: 4395 Message: 4397

A couple of places, hamwaves.com is a good source. Also K3MT, seems like a couple more. The only thing to make sure of: standard ceramic or mica caps in the right voltage rating can handle the current of a couple hundred watts or so, but not full power, due to lead size. One thing I did was take 4 ceramics I got to experiment with and tied them all in parallel. The values add, the voltage rating stays the same, but the current is distributed over multiple wires(leads) instead of one tiny little lead. For full power it's recommended to use doorknob type high voltage caps.

Bill KC2SUO

--- In ham-antennas@yahoogroups.com, Commander John <crazytvjohn@...> wrote:
>
> Where did you find out about adding capacitance in the antenna?
> john w9zy
> xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
>
> Bill <wild_bill_yonder@...> wrote:
> Made an ocf dipole based on the one in the ARRL antenna book. >
>
>

4398. Re: [ham-antennas] some J-Pole projects with flat lead (2 meters)

Yahoo group: ham-antennas (2008)
Date: 2008-03-12 16:02:28 UTC
From: David Worthington
Topic: 4381 Message: 4398

Hi Phil,
I wouldn't mind having a copy.
TIA
David

--- Phil Bader <PBADER@...> wrote:

> OK, I see this forum scrubs any attachments- If you
> want, I can send theantenna pdf directly to
> interested persons. Sorry,
> Phil
> Philip Bader
> pbader@...
> Amateur call: KI4NUC, Winter Haven, Fl.
> Member: Lakeland Amateur Radio Club
> http://www.lakelandarc.org/
> Currently: Polk County School Board Electronics
> Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006
>
>
> ----- Original Message -----
> From: Phil Bader
> To: ham-antennas@yahoogroups.com
> Sent: Tuesday, March 11, 2008 9:57 AM
> Subject: [ham-antennas] some J-Pole projects with
> flat lead (2 meters)
>
>
> The pdf is a good project. Also included a url for
> another:
> http://home.comcast.net/~buck0/ll_coolj.html
> Hope these help,
> Phil
> Philip Bader
> pbader@...
> Amateur call: KI4NUC, Winter Haven, Fl.
> Member: Lakeland Amateur Radio Club
> http://www.lakelandarc.org/
> Currently: Polk County School Board Electronics
> Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006
>
> [Non-text portions of this message have been
> removed]
>
>

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>
>
> No virus found in this incoming message.
> Checked by AVG.
> Version: 7.5.518 / Virus Database: 269.21.7/1324 -
> Release Date: 3/10/2008 7:27 PM
>
>
> [Non-text portions of this message have been
> removed]
>
>

ARI
David Worthington
2519 62nd Street
Des Moines, IA
50322
phone 515-314-8528
fax 515-274-2557
KD0BQJ

Looking for last minute shopping deals?
Find them fast with Yahoo! Search.
http://tools.search.yahoo.com/newsearch/category.php?category=shopping

4399. Re: 144/440 antenna for a window

Yahoo group: ham-antennas (2008)
Date: 2008-03-12 20:28:32 UTC
From: John
Topic: 4373 Message: 4399

Thanks everyone who made suggestions. But my Uncle's nurse turned him in to the managment. He got a letter that told him to remove all radios and equipment from the property because it was a "danger to the safe operation of the park, and residents". I have moved him in with me and my wife until we can find something better.
73, KE5JRM

4400. Re: [ham-antennas] Re: 144/440 antenna for a window

Yahoo group: ham-antennas (2008)
Date: 2008-03-12 20:38:02 UTC
From: Phil Bader
Topic: 4373 Message: 4400

What a Gestapo!
Older folks have so few joys,ask so little and ham radio is one that anyone can enjoy. Then they better remove all microwave ovens (radiation) Tv's (high voltage Xray) florescent tubes (mercury) and table wine. And anything colorful,or happy. Might choke.
Sorry. That pushes my buttons. God Bless you for taking him from that atmosphere. You just don't know . He really appreciates your heart. You and your wife are honoring him with more decency than some do their parents. Hope it all gets ironed out.
Regards,
Phil
Philip Bader
pbader@...
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakelandarc.org/
Currently: Polk County School Board Electronics
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006

----- Original Message -----
From: John
To: ham-antennas@yahoogroups.com
Sent: Wednesday, March 12, 2008 4:28 PM
Subject: [ham-antennas] Re: 144/440 antenna for a window

Thanks everyone who made suggestions. But my Uncle's nurse turned him
in to the managment. He got a letter that told him to remove all radios
and equipment from the property because it was a "danger to the safe
operation of the park, and residents". I have moved him in with me and
my wife until we can find something better.
73, KE5JRM

No virus found in this incoming message.
Checked by AVG.
Version: 7.5.518 / Virus Database: 269.21.7/1324 - Release Date: 3/10/2008 7:27 PM

[Non-text portions of this message have been removed]

4401. Re: [ham-antennas] Re: 144/440 antenna for a window

Yahoo group: ham-antennas (2008)
Date: 2008-03-12 20:40:00 UTC
From: Leonard K. Pennock
Topic: 4373 Message: 4401

Hope you fired the nurse also.

I would also ask the park have they forced the removal of cordless
phones as the have the same risk.

On Wed, 12 Mar 2008, John wrote:

|*>Thanks everyone who made suggestions. But my Uncle's nurse turned him
|*>in to the managment. He got a letter that told him to remove all radios
|*>and equipment from the property because it was a "danger to the safe
|*>operation of the park, and residents". I have moved him in with me and
|*>my wife until we can find something better.
|*>73, KE5JRM
|*>

Leonard K. Pennock
AD7AS

Those who walk bravely through life, unafraid of loss or failure,
find that they very rarely lose or fail.

4402. Re: [ham-antennas] Re: 144/440 antenna for a window

Yahoo group: ham-antennas (2008)
Date: 2008-03-12 21:00:02 UTC
From: hermit
Topic: 4373 Message: 4402

Man, that sucks! It absolutely amazes me how society and those that care for older folks treat them! I am furious. Our nations senior citizens are limited it what they can do, and to take away a 2M radio because of some stupid rule is ridiculous. Danger to the park and it's residents - what a bunch of crapola THAT is.

I commend you and your wife for taking him in - kudos for you. The nurse needs to be tarred and feathered. Maybe get a big vat for management too. How absurd.

Tell your uncle I said *hi*.

73

Dick KB3OMJ

>Thanks everyone who made suggestions. But my Uncle's nurse turned him
>in to the managment. He got a letter that told him to remove all radios
>and equipment from the property because it was a "danger to the safe
>operation of the park, and residents". I have moved him in with me and
>my wife until we can find something better.
>73, KE5JRM

4403. Re: 144/440 antenna for a window

Yahoo group: ham-antennas (2008)
Date: 2008-03-12 21:01:57 UTC
From: Joe Oates
Topic: 4373 Message: 4403

I have a dusl band Ventenna in my antenna restricted neighborhood and it works great.

73,

Joe - WO8J

--- In ham-antennas@yahoogroups.com, trucken4peace@... wrote:
>
> How about a mag mount dual band on a tool box? Works for me. Does he have a vent he could use? I have not tried the vhf/uhf antenna but the HFp is great. Its an antenna that slides over a vent. It also has good reviews. www.ventenna.com I hope that helps.
>
> KE7JSL
> John Hinshaw
> Sent via BlackBerry from T-Mobile
>

4404. Re: [ham-antennas] Re: 144/440 antenna for a window

Yahoo group: ham-antennas (2008)
Date: 2008-03-12 21:07:37 UTC
From: Alan Wilson
Topic: 4373 Message: 4404

Thats too bad...guess his happiness means nothing to them(mgmt)...what a crock!

On 3/12/08, John <john.casteel99@...> wrote:
>
> Thanks everyone who made suggestions. But my Uncle's nurse turned him
> in to the managment. He got a letter that told him to remove all radios
> and equipment from the property because it was a "danger to the safe
> operation of the park, and residents". I have moved him in with me and
> my wife until we can find something better.
> 73, KE5JRM
>
>
>

--
Alan Wilson
67 Bullseye Lane
Victor, MT 59875
http://montanaham.tripod.com

[Non-text portions of this message have been removed]

4405. Re: [ham-antennas] Re: 144/440 antenna for a window

Yahoo group: ham-antennas (2008)
Date: 2008-03-12 21:16:08 UTC
From: Phil Bader
Topic: 4373 Message: 4405

I went to their web site. They are truely stealth...But in this case it sounds like the management didn't care if it was viewable or not. Their jaw was set to say "it goes!".
Philip Bader
pbader@...
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakelandarc.org/
Currently: Polk County School Board Electronics
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006

----- Original Message -----
From: Joe Oates
To: ham-antennas@yahoogroups.com
Sent: Wednesday, March 12, 2008 5:01 PM
Subject: [ham-antennas] Re: 144/440 antenna for a window

I have a dusl band Ventenna in my antenna restricted neighborhood and it works great.

73,

Joe - WO8J

--- In ham-antennas@yahoogroups.com, trucken4peace@... wrote:
>
> How about a mag mount dual band on a tool box? Works for me. Does he have a vent he could use? I have not tried the vhf/uhf antenna but the HFp is great. Its an antenna that slides over a vent. It also has good reviews. www.ventenna.com I hope that helps.
>
> KE7JSL
> John Hinshaw
> Sent via BlackBerry from T-Mobile
>

No virus found in this incoming message.
Checked by AVG.
Version: 7.5.518 / Virus Database: 269.21.7/1324 - Release Date: 3/10/2008 7:27 PM

[Non-text portions of this message have been removed]

4406. Re: [ham-antennas] Re: 144/440 antenna for a window

Yahoo group: ham-antennas (2008)
Date: 2008-03-12 21:17:31 UTC
From: Phil Bader
Topic: 4373 Message: 4406

Jon, BTW where do you live?
Phil
Philip Bader
pbader@...
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakelandarc.org/
Currently: Polk County School Board Electronics
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006

----- Original Message -----
From: John
To: ham-antennas@yahoogroups.com
Sent: Wednesday, March 12, 2008 4:28 PM
Subject: [ham-antennas] Re: 144/440 antenna for a window

Thanks everyone who made suggestions. But my Uncle's nurse turned him
in to the managment. He got a letter that told him to remove all radios
and equipment from the property because it was a "danger to the safe
operation of the park, and residents". I have moved him in with me and
my wife until we can find something better.
73, KE5JRM

No virus found in this incoming message.
Checked by AVG.
Version: 7.5.518 / Virus Database: 269.21.7/1324 - Release Date: 3/10/2008 7:27 PM

[Non-text portions of this message have been removed]

4407. Re: [ham-antennas] Re: 144/440 antenna for a window

Yahoo group: ham-antennas (2008)
Date: 2008-03-12 22:38:21 UTC
From: Richard Arland, W3OSS
Topic: 4373 Message: 4407

John,

Sorry to hear about the problems with 2M for your dad. Personal Care (?) homes are a sham. We took my wife's aging Aunt Betty in with us about 9 years ago. She is mildly retarded but at 76 years old (last Feb 5th) she has more on the ball than most of the nurses at the center she was at! We didn't like the conditions or the lack of supervision (1 nurse for 40 patients), etc.

God Bless you and your wife for stepping up to the plate.

My wife, Patricia, KB3MCT, and I both have seriously considered trying to find some financial backing for a facility that catered to elderly ham radio operators. Put several towers up on the roof, a set of all band dipoles, and presto: you have a octogenarian contest group!!

Seriously, I would love to see a facility that would allow radio antennas, even modest ones.

73 Rich W3OSS
----- Original Message -----
From: "John" <john.casteel99@...>
To: <ham-antennas@yahoogroups.com>
Sent: Wednesday, March 12, 2008 4:28 PM
Subject: [ham-antennas] Re: 144/440 antenna for a window

| Thanks everyone who made suggestions. But my Uncle's nurse turned him
| in to the managment. He got a letter that told him to remove all radios
| and equipment from the property because it was a "danger to the safe
| operation of the park, and residents". I have moved him in with me and
| my wife until we can find something better.
| 73, KE5JRM
|
|
|
| HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
to ALL 974 members (as of 11/07/07, and attachments are NOT permitted.
| Post message: ham-antennas@yahoogroups.com
| Subscribe: ham-antennas-subscribe@yahoogroups.com
| Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
| List owner: ham-antennas-owner@yahoogroups.com
|
| Yahoo! Groups Links
|
|
|

4408. RE: [ham-antennas] Re: 144/440 antenna for a window

Yahoo group: ham-antennas (2008)
Date: 2008-03-13 00:38:13 UTC
From: James M.(Jim) Geidl
Topic: 4373 Message: 4408

Rich,

If you include that the people can have pets I'll chip in.

Jim, K6JMG
//

> [mailto:ham-antennas@yahoogroups.com] On Behalf Of Richard
> Arland, W3OSS
> Sent: Wednesday, March 12, 2008 2:38 PM
> To: ham-antennas@yahoogroups.com
> Subject: Re: [ham-antennas] Re: 144/440 antenna for a window
>
> John,
>
> Sorry to hear about the problems with 2M for your dad.
> Personal Care (?) homes are a sham. We took my wife's aging
> Aunt Betty in with us about 9 years ago. She is mildly
> retarded but at 76 years old (last Feb 5th) she has more on
> the ball than most of the nurses at the center she was at! We
> didn't like the conditions or the lack of supervision (1
> nurse for 40 patients), etc.
>
> God Bless you and your wife for stepping up to the plate.
>
> My wife, Patricia, KB3MCT, and I both have seriously
> considered trying to find some financial backing for a
> facility that catered to elderly ham radio operators. Put
> several towers up on the roof, a set of all band dipoles, and
> presto: you have a octogenarian contest group!!
>
> Seriously, I would love to see a facility that would allow
> radio antennas, even modest ones.
>
> 73 Rich W3OSS
> ----- Original Message -----
> From: "John" <john.casteel99@...>
> To: <ham-antennas@yahoogroups.com>
> Sent: Wednesday, March 12, 2008 4:28 PM
> Subject: [ham-antennas] Re: 144/440 antenna for a window
>
>
> | Thanks everyone who made suggestions. But my Uncle's nurse
> turned him
> | in to the managment. He got a letter that told him to
> remove all radios

> | and equipment from the property because it was a "danger to the safe
> | operation of the park, and residents". I have moved him in
> with me and
> | my wife until we can find something better.
> | 73, KE5JRM

4409. Re: [ham-antennas] Re: 144/440 antenna for a window

Yahoo group: ham-antennas (2008)
Date: 2008-03-13 03:48:15 UTC
From: Raymond McKeever
Topic: 4373 Message: 4409

John,

As a RN and Ham...I am sorry he was turned in by his nurse. The nurse should have known better that the radios were needed for his mental R+R and his overall health and spirits. You should let that nurse know what he/she did and what the radios meant too him. I would write a letter to her/him. The radios should been ignored....sorry this happened to him...

73 Ray KB4OMO + RN

"Richard Arland, W3OSS" <richard.arland@...> wrote:
John,

Sorry to hear about the problems with 2M for your dad. Personal Care (?) homes are a sham. We took my wife's aging Aunt Betty in with us about 9 years ago. She is mildly retarded but at 76 years old (last Feb 5th) she has more on the ball than most of the nurses at the center she was at! We didn't like the conditions or the lack of supervision (1 nurse for 40 patients), etc.

God Bless you and your wife for stepping up to the plate.

My wife, Patricia, KB3MCT, and I both have seriously considered trying to find some financial backing for a facility that catered to elderly ham radio operators. Put several towers up on the roof, a set of all band dipoles, and presto: you have a octogenarian contest group!!

Seriously, I would love to see a facility that would allow radio antennas, even modest ones.

73 Rich W3OSS
----- Original Message -----
From: "John" <john.casteel99@...>
To: <ham-antennas@yahoogroups.com>
Sent: Wednesday, March 12, 2008 4:28 PM
Subject: [ham-antennas] Re: 144/440 antenna for a window

| Thanks everyone who made suggestions. But my Uncle's nurse turned him
| in to the managment. He got a letter that told him to remove all radios
| and equipment from the property because it was a "danger to the safe
| operation of the park, and residents". I have moved him in with me and
| my wife until we can find something better.
| 73, KE5JRM
|
|
|
| HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 974 members (as of 11/07/07, and attachments are NOT permitted.

| Post message: ham-antennas@yahoogroups.com
| Subscribe: ham-antennas-subscribe@yahoogroups.com
| Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
| List owner: ham-antennas-owner@yahoogroups.com
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| Yahoo! Groups Links
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|

Never miss a thing. Make Yahoo your homepage.

[Non-text portions of this message have been removed]

4410. Re: 144/440 antenna for a window

Yahoo group: ham-antennas (2008)
Date: 2008-03-13 12:42:42 UTC
From: steve95446
Topic: 4373 Message: 4410

Talk to your local newspaper or TV station- contact the ARRL and get them to say how safe radio is. Drag up his illustrious past as a war hero etc etc.

They'll cave in!

Steve G0KYA (UK - where we aren't quite so daft, but are getting there)

4411. Re: [ham-antennas] Re: 144/440 antenna for a window

Yahoo group: ham-antennas (2008)
Date: 2008-03-13 13:13:33 UTC
From: hermit
Topic: 4373 Message: 4411

Now that is an excellent idea. Even though you and your wife took your Uncle into your home, I think the local TV stations would have a field day with a story about what happened to him. Get the ARRL involved as suggested, or at least call them to find out what could be done. Perhaps local ham clubs could be interviewed as well.

Btw, what's the name of the facility?

Dick
KB3OMJ

>Talk to your local newspaper or TV station- contact the ARRL and get
>them to say how safe radio is. Drag up his illustrious past as a war
>hero etc etc.
>
>They'll cave in!
>
>Steve G0KYA (UK - where we aren't quite so daft, but are getting there)

4412. Detuning antenna?

Yahoo group: ham-antennas (2008)
Date: 2008-03-13 15:01:34 UTC
From: Melvin
Topic: 4412 Message: 4412

I have just put up a fullwave delta loop for 40 meters. I used a 4:1 balun and coax to feed it. Without my internal tuner the swr is great across the entire 40 (and also 15) meter band. When I use my tuner (I know, why would you do that if your swr is great) it has a problem tuning the antenna. I was just wondering if my tuner might have a problem or is it maybe detuning the antenna.
This is the first loop I have put up since having this antenna (FT450).

Thanks,

Melvin, AB5EQ

4413. RE: [ham-antennas] Detuning antenna?

Yahoo group: ham-antennas (2008)
Date: 2008-03-13 22:57:47 UTC
From: Callum M0MCX
Topic: 4412 Message: 4413

Hello Melvin,

I've been a bit of a full-wave loop freak for a couple of years and my 40m dedicated loop is fed like yours. I also get a great result on 20m too. Is yours horizontal or vertical?

I've never had a problem with the tuner on the loop, but I have heard that if the impedance is too close to ideal, the CPU in the internal tuner can throw a wobbly because the antenna isn't too far away from being a good match so it gives up. That's my theory anyway!!

(By the way, I've just designed a 2 element vertically polarised switchable delta loop that gives 3.6dbi gain at 10 degrees elevation - I shall be trying this next month at our next antenna-fest. Has anyone ever built one of these..?)

Cheers,

Callum McCormick

T: 07976 631881

http://www.m0mcx.co.uk/

While others were busy thinking outside the box, I cut it up because I needed some cardboard for a project I was making.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Melvin
Sent: 13 March 2008 15:02
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Detuning antenna?

I have just put up a fullwave delta loop for 40 meters. I used a 4:1 balun and coax to feed it. Without my internal tuner the swr is great across the entire 40 (and also 15) meter band. When I use my tuner (I know, why would you do that if your swr is great) it has a problem tuning the antenna. I was just wondering if my tuner might have a problem or is it maybe detuning the antenna.
This is the first loop I have put up since having this antenna (FT450).

Thanks,

Melvin, AB5EQ

[Non-text portions of this message have been removed]

4414. Re: [ham-antennas] Detuning antenna?

Yahoo group: ham-antennas (2008)
Date: 2008-03-13 23:49:37 UTC
From: Phil Bader
Topic: 4412 Message: 4414

Tell me: If you leave your tuner in circuit,but switch it to "bypass", another words it's in line but the tuning is not, how is your match? I wonder if just the extra line length and the box,etc has the effect.
Phil B
Philip Bader
pbader@...
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakelandarc.org/
Currently: Polk County School Board Electronics
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006

----- Original Message -----
From: Melvin
To: ham-antennas@yahoogroups.com
Sent: Thursday, March 13, 2008 11:01 AM
Subject: [ham-antennas] Detuning antenna?

I have just put up a fullwave delta loop for 40 meters. I used a 4:1 balun and coax to feed it. Without my internal tuner the swr is great across the entire 40 (and also 15) meter band. When I use my tuner (I know, why would you do that if your swr is great) it has a problem tuning the antenna. I was just wondering if my tuner might have a problem or is it maybe detuning the antenna.
This is the first loop I have put up since having this antenna (FT450).

Thanks,

Melvin, AB5EQ

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Checked by AVG.
Version: 7.5.519 / Virus Database: 269.21.7/1327 - Release Date: 3/12/2008 1:27 PM

[Non-text portions of this message have been removed]

4415. Re: Detuning antenna?

Yahoo group: ham-antennas (2008)
Date: 2008-03-14 01:11:43 UTC
From: Melvin
Topic: 4412 Message: 4415

I have the FT 450 and I change the setting from internal ATU to external atu, so I suppose its not in circuit.

Thanks for the reply

Melvin AB5EQ
--- In ham-antennas@yahoogroups.com, "Phil Bader" <PBADER@...> wrote:
>
> Tell me: If you leave your tuner in circuit,but switch it to "bypass", another words it's in line but the tuning is not, how is your match? I wonder if just the extra line length and the box,etc has the effect.
> Phil B
> Philip Bader
> pbader@...
> Amateur call: KI4NUC, Winter Haven, Fl.
> Member: Lakeland Amateur Radio Club
> http://www.lakelandarc.org/
> Currently: Polk County School Board Electronics
> Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006
>
>
> ----- Original Message -----
> From: Melvin
> To: ham-antennas@yahoogroups.com
> Sent: Thursday, March 13, 2008 11:01 AM
> Subject: [ham-antennas] Detuning antenna?
>
>
> I have just put up a fullwave delta loop for 40 meters. I used a 4:1
> balun and coax to feed it. Without my internal tuner the swr is great
> across the entire 40 (and also 15) meter band. When I use my tuner (I
> know, why would you do that if your swr is great) it has a problem
> tuning the antenna. I was just wondering if my tuner might have a
> problem or is it maybe detuning the antenna.
> This is the first loop I have put up since having this antenna (FT450).
>
> Thanks,
>
> Melvin, AB5EQ
>
>
>

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>
> No virus found in this incoming message.
> Checked by AVG.
> Version: 7.5.519 / Virus Database: 269.21.7/1327 - Release Date:
3/12/2008 1:27 PM
>
>
> [Non-text portions of this message have been removed]
>
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4416. Re: 144/440 antenna for a window

Yahoo group: ham-antennas (2008)
Date: 2008-03-14 01:51:04 UTC
From: Raymond Lucier
Topic: 4373 Message: 4416

--- In ham-antennas@yahoogroups.com, hermit <hermit@...> wrote:
>how about a 2 meter wire dipole hidden in a piece of pvc pipe and
hang a flag on it pvc pole surely they wouldnt object to someone
flying our country's flag.
>
> How abt a mobile HT antenna? They are so small and thin perhaps
> nobody would see it. Put it on the middle of the roof and for sure
no
> one would see it.
>
> Dick KB3OMJ
>
> >All Great ideas, but again it is a mobile home made of metal with
metal
> >blinds. I cannot put anything outside that looks like an antenna.
The
> >only thing I can think of is alarm tape on a window or something
like
> >that. He has an HT but the repeaters are about 15 miles away and
the
> >metal od the mobile home is blocking the signal. Outside it works
like
> >a charm. I tried to make one but the SWR was 5.1+ so I know I did
> >something wrong.
>

4417. 20m dipole

Yahoo group: ham-antennas (2008)
Date: 2008-03-14 15:35:14 UTC
From: Kenny Wyss
Topic: 4417 Message: 4417

Just wanted to see if anyone could make any recommendations on my next antenna build for 20m. I have been running a G5RV for over a year now, and have had excellent results, even working the DX pileups with only 100 watts. Have worked the world on that puppy. I would think that a properly tuned 20m dipole would even be better, so I was thinking of making one. Should I go halfwave or fullwave? Anyone have any great results on 20 with anything they'd like to recommend?

Thanks and 73,

Kenny, KB0NPW

4418. Re: [ham-antennas] 20m dipole

Yahoo group: ham-antennas (2008)
Date: 2008-03-14 15:43:49 UTC
From: Chris
Topic: 4417 Message: 4418

80m full wave loop would be my suggestion to try. Or more exactly, make it 4 full wavelengths at 20m so it is optimized for it. You would see some decent gain from that.

If you feed it with open wire or window line and use a manual tuner, you will minimize losses on a major scale, and it could be tuned from easily 80m and up that way as well.

Others to look at, a 'double bazooka' which is basically a collinear wire antenna, again has some gain.

Or if you really want to get fancy, look into a Lazy-H though if I recall that will be bidirectional so you have to position it to point where you mostly work.

http://www.cebik.com will have info on the Lazy-H and HOPL's (horizontally polarized loops) to read about.

On Fri, Mar 14, 2008 at 11:35 AM, Kenny Wyss
<kenny@...> wrote:
> Just wanted to see if anyone could make any recommendations on my next
> antenna build for 20m. I have been running a G5RV for over a year now,
> and have had excellent results, even working the DX pileups with only
> 100 watts. Have worked the world on that puppy. I would think that a
> properly tuned 20m dipole would even be better, so I was thinking of
> making one. Should I go halfwave or fullwave? Anyone have any great
> results on 20 with anything they'd like to recommend?
>
> Thanks and 73,
>
> Kenny, KB0NPW
>
>
> ----------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 974
members (as of 11/07/07, and attachments are NOT permitted.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
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>

4419. Re: [ham-antennas] Re: 144/440 antenna for a window

Yahoo group: ham-antennas (2008)
Date: 2008-03-14 22:58:26 UTC
From: Forrest Plumstead
Topic: 4373 Message: 4419

Here in Hampton Roads, Va we have a Ham in his 70s. He is bed ridden in a nursing home run by Sentra Hospital system . They have no problems with his hobby. Some of the members of the Chesapeake Amateur Radio Service W4CAR got together and set him up with a pair of HTs a simple ground plane (SP?) vertical antenna and a J-Pole. With these antennas he is able to work all the numerous repeaters in the area except one, on low - med pwr. If Al did not have that he would be reduced to staring at 4 walls taking pills, shots, and meals and not very much else. With the friends he has made he has plenty of visitors. I'm glad to call him my friend. Is ham radio good for shut ins? You bet!

73s Forrest WB5HQO

On Wed, Mar 12, 2008 at 9:48 PM, Raymond McKeever <kb4omo@...> wrote:

> John,
>
> As a RN and Ham...I am sorry he was turned in by his nurse. The nurse
> should have known better that the radios were needed for his mental R+R and
> his overall health and spirits. You should let that nurse know what he/she
> did and what the radios meant too him. I would write a letter to her/him.
> The radios should been ignored....sorry this happened to him...
>
> 73 Ray KB4OMO + RN
>
>
> "Richard Arland, W3OSS" <richard.arland@...<richard.arland%40verizon.net>>
> wrote:
> John,
>
> Sorry to hear about the problems with 2M for your dad. Personal Care (?)
> homes are a sham. We took my wife's aging Aunt Betty in with us about 9
> years ago. She is mildly retarded but at 76 years old (last Feb 5th) she
> has
> more on the ball than most of the nurses at the center she was at! We
> didn't
> like the conditions or the lack of supervision (1 nurse for 40 patients),
> etc.
>
> God Bless you and your wife for stepping up to the plate.
>
> My wife, Patricia, KB3MCT, and I both have seriously considered trying to
> find some financial backing for a facility that catered to elderly ham
> radio
> operators. Put several towers up on the roof, a set of all band dipoles,
> and

> presto: you have a octogenarian contest group!!
>
> Seriously, I would love to see a facility that would allow radio antennas,
>
> even modest ones.
>
> 73 Rich W3OSS
> ----- Original Message -----
> From: "John" <john.casteel99@... <john.casteel99%40yahoo.com>>
> To: <ham-antennas@yahoogroups.com <ham-antennas%40yahoogroups.com>>
> Sent: Wednesday, March 12, 2008 4:28 PM
> Subject: [ham-antennas] Re: 144/440 antenna for a window
>
> | Thanks everyone who made suggestions. But my Uncle's nurse turned him
> | in to the managment. He got a letter that told him to remove all radios
> | and equipment from the property because it was a "danger to the safe
> | operation of the park, and residents". I have moved him in with me and
> | my wife until we can find something better.
> | 73, KE5JRM
> |
> |
> |
> | HAM ANTENNAS Anything and everything, tell us or ask questions. Replies
> go
> to ALL 974 members (as of 11/07/07, and attachments are NOT permitted.
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ham-antennas-subscribe@yahoogroups.com<ham-antennas-subscribe%40yahoogroups.com>
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> |
> | Yahoo! Groups Links
> |
> |
> |
>
> ---
> Never miss a thing. Make Yahoo your homepage.
>
> [Non-text portions of this message have been removed]
>
>
>

--
Forrest Plumstead fplum1@...
PLUMSTEAD-L List master
http://lists.rootsweb.com/index/surname/p/plumstead.html
Plumstead and Associated Families:

http://freepages.genealogy.rootsweb.com/~fplum/
Military Kool Lynx: http://geocities.com/fplum/
Ham Radio WB5HQO http://forrest.3h.com/main.html
Photos: http://myspace.com/fplum7755

[Non-text portions of this message have been removed]

4420. Re: [ham-antennas] Re: 144/440 antenna for a window

Yahoo group: ham-antennas (2008)
Date: 2008-03-14 23:25:17 UTC
From: Phil Bader
Topic: 4373 Message: 4420

Churches have a shut-in outreach ministry. The same could be adopted to homebound,or institutionalised senior hams.
Senior-Ham outreach!
Phil B
Philip Bader
pbader@...
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakelandarc.org/
Currently: Polk County School Board Electronics
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006

----- Original Message -----
From: Forrest Plumstead
To: ham-antennas@yahoogroups.com
Sent: Friday, March 14, 2008 6:58 PM
Subject: Re: [ham-antennas] Re: 144/440 antenna for a window

Here in Hampton Roads, Va we have a Ham in his 70s. He is bed ridden in a nursing home run by Sentra Hospital system . They have no problems with his hobby. Some of the members of the Chesapeake Amateur Radio Service W4CAR got together and set him up with a pair of HTs a simple ground plane (SP?) vertical antenna and a J-Pole. With these antennas he is able to work all the numerous repeaters in the area except one, on low - med pwr. If Al did not have that he would be reduced to staring at 4 walls taking pills, shots, and meals and not very much else. With the friends he has made he has plenty of visitors. I'm glad to call him my friend. Is ham radio good for shut ins? You bet!

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> The radios should been ignored....sorry this happened to him...
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> 73 Ray KB4OMO + RN
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> Seriously, I would love to see a facility that would allow radio antennas,
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> even modest ones.
>
> 73 Rich W3OSS
> ----- Original Message -----
> From: "John" <john.casteel99@... <john.casteel99%40yahoo.com>>
> To: <ham-antennas@yahoogroups.com <ham-antennas%40yahoogroups.com>>
> Sent: Wednesday, March 12, 2008 4:28 PM
> Subject: [ham-antennas] Re: 144/440 antenna for a window
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> |
> |
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> to ALL 974 members (as of 11/07/07, and attachments are NOT permitted.
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> |

> | Yahoo! Groups Links
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> ---
> Never miss a thing. Make Yahoo your homepage.
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> [Non-text portions of this message have been removed]
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>

--
Forrest Plumstead fplum1@...
PLUMSTEAD-L List master
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Plumstead and Associated Families:
http://freepages.genealogy.rootsweb.com/~fplum/
Military Kool Lynx: http://geocities.com/fplum/
Ham Radio WB5HQO http://forrest.3h.com/main.html
Photos: http://myspace.com/fplum7755

[Non-text portions of this message have been removed]

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Version: 7.5.519 / Virus Database: 269.21.7/1329 - Release Date: 3/14/2008 12:33 PM

[Non-text portions of this message have been removed]

4421. RG-6 Coax

Yahoo group: ham-antennas (2008)
Date: 2008-03-15 03:43:39 UTC
From: Kenneth L Head
Topic: 4421 Message: 4421

Anyone have any pro's and con's about this kind of cable. I know it is 75 ohm. Any information would be helpful.

Ken
n4pwp

4422. Una Pole Antenna by Andrews

Yahoo group: ham-antennas (2008)
Date: 2008-03-15 03:53:13 UTC
From: rrath
Topic: 4422 Message: 4422

Hello to the group. I just bought a vhf una pole antenna. Question is, How well will it work as a simplex repeater antenna. On the freq that I will be using, the swr is 1.4 to 1 @ about 80 ohms. Your thoughts? Thank you.

Rod kc7vqr

[Non-text portions of this message have been removed]

4423. Re: [ham-antennas] RG-6 Coax

Yahoo group: ham-antennas (2008)
Date: 2008-03-15 13:55:48 UTC
From: Rob - G4LMW
Topic: 4421 Message: 4423

Hi Ken

I use RG-6 for all my feeds (because I can get the stuff for nothing as I work in the CATV industry here in the UK). I never have any problems. The cable itself is usually of a good spec (losses similar to RG-213).

Of course, the natural impedence of a dipole is 75-ohm so it lends itself well to that use. Most transceivers can handle impedences between 35 and 75 ohms (check out the specifications) and in any case, a tuner will null out any mis-match.

"suck it and see" is always my approach !

Good Luck

73, Rob

----- Original Message -----
From: Kenneth L Head
To: ham-antennas@yahoogroups.com
Sent: Saturday, March 15, 2008 3:43 AM
Subject: [ham-antennas] RG-6 Coax

Anyone have any pro's and con's about this kind of cable. I know it is
75 ohm. Any information would be helpful.

Ken
n4pwp

No virus found in this incoming message.
Checked by AVG.
Version: 7.5.519 / Virus Database: 269.21.7/1329 - Release Date: 14/03/2008 12:33

[Non-text portions of this message have been removed]

4424. Re: [ham-antennas] RG-6 Coax

Yahoo group: ham-antennas (2008)
Date: 2008-03-15 15:09:38 UTC
From: Phil Bader
Topic: 4421 Message: 4424

I used RG6 with all my MATV installations in the latter years of my service shop for UHF/VHF Tv antennas.
Before that it was RG59- very lossy. The newer RG6 is lower loss,has a good solid shield,and is low loss up into the UHF. Only problem is it has steel braid, and aluminum foil under that. Can't really solder to that. The more traditional coaxes used for ham is usually RG58u (mobile coax) and RG8U. Both lossy especially as you go up in the UHF frequency. As the other fellow points out, in the HF, if a tuner is used, so what? And with the RG6's good UHF characteristics, is't a shoe-in for 2 meters and up.
I just don't know how flexable it would be hanging from a dipole swinging to and fro for years.
Best,
Phil B
Philip Bader
pbader@...
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakelandarc.org/
Currently: Polk County School Board Electronics
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006

----- Original Message -----
From: Kenneth L Head
To: ham-antennas@yahoogroups.com
Sent: Friday, March 14, 2008 11:43 PM
Subject: [ham-antennas] RG-6 Coax

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Ken
n4pwp

No virus found in this incoming message.
Checked by AVG.
Version: 7.5.519 / Virus Database: 269.21.7/1329 - Release Date: 3/14/2008 12:33 PM

[Non-text portions of this message have been removed]

4425. Re: RG-6 Coax

Yahoo group: ham-antennas (2008)
Date: 2008-03-15 15:13:03 UTC
From: kb3ccn
Topic: 4421 Message: 4425

use the self support rg6 , like what is used for drops, that will
keep the stress off of the connectors.

73
N3QAM

4426. Re: [ham-antennas] RG-6 Coax

Yahoo group: ham-antennas (2008)
Date: 2008-03-15 19:36:09 UTC
From: Rob - G4LMW
Topic: 4421 Message: 4426

Phil is quite right about the soldering problems. I am ok 'cos I have "snap-and-seal" f connecting equipment so no soldering necessary.

So far as the flexibility goes, I agree, I would not want the solid cable to be flapping in the wind. I use RG6 for my dipoles but the cable is strapped to the pole 2 or 3 feet from the centre feed point.

Regards
Rob

----- Original Message -----
From: Phil Bader
To: ham-antennas@yahoogroups.com
Sent: Saturday, March 15, 2008 3:09 PM
Subject: Re: [ham-antennas] RG-6 Coax

I used RG6 with all my MATV installations in the latter years of my service shop for UHF/VHF Tv antennas.
Before that it was RG59- very lossy. The newer RG6 is lower loss,has a good solid shield,and is low loss up into the UHF. Only problem is it has steel braid, and aluminum foil under that. Can't really solder to that. The more traditional coaxes used for ham is usually RG58u (mobile coax) and RG8U. Both lossy especially as you go up in the UHF frequency. As the other fellow points out, in the HF, if a tuner is used, so what? And with the RG6's good UHF characteristics, is't a shoe-in for 2 meters and up.
I just don't know how flexable it would be hanging from a dipole swinging to and fro for years.
Best,
Phil B
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Member: Lakeland Amateur Radio Club
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To: ham-antennas@yahoogroups.com
Sent: Friday, March 14, 2008 11:43 PM
Subject: [ham-antennas] RG-6 Coax

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No virus found in this incoming message.
Checked by AVG.
Version: 7.5.519 / Virus Database: 269.21.7/1329 - Release Date: 3/14/2008 12:33 PM

[Non-text portions of this message have been removed]

No virus found in this incoming message.
Checked by AVG.
Version: 7.5.519 / Virus Database: 269.21.7/1329 - Release Date: 14/03/2008 12:33

[Non-text portions of this message have been removed]

4427. Re: 20m dipole

Yahoo group: ham-antennas (2008)
Date: 2008-03-15 20:09:45 UTC
From: steve95446
Topic: 4417 Message: 4427

I spent two days doing back to back tests between a G5RV and dipoles at the same height.

The half wave dipoles were consistently better on each band - usually 1-2 S points better, sometimes more.

I couldn't believe the results so repeated the tests again in a different location. Same results.

I can give you the full test result sheet if you want.

Steve G0kYA

4428. Re: [ham-antennas] Re: 20m dipole

Yahoo group: ham-antennas (2008)
Date: 2008-03-15 20:33:49 UTC
From: W8OKN
Topic: 4417 Message: 4428

Appreciate that report.

Can you tell us a tad about the feed lines of both set ups?

W8OKN

----- Original Message -----
From: steve95446
To: ham-antennas@yahoogroups.com
Sent: Saturday, March 15, 2008 4:09 PM
Subject: [ham-antennas] Re: 20m dipole

I spent two days doing back to back tests between a G5RV and dipoles
at the same height.

The half wave dipoles were consistently better on each band - usually
1-2 S points better, sometimes more.

I couldn't believe the results so repeated the tests again in a
different location. Same results.

I can give you the full test result sheet if you want.

Steve G0kYA

No virus found in this incoming message.
Checked by AVG.
Version: 7.5.519 / Virus Database: 269.21.7/1329 - Release Date: 3/14/2008 12:33 PM

[Non-text portions of this message have been removed]

4429. Re: [ham-antennas] Re: 20m dipole

Yahoo group: ham-antennas (2008)
Date: 2008-03-15 20:34:21 UTC
From: Phil Bader
Topic: 4417 Message: 4429

Isn't the point of the G5RV that it is one antenna for multi-band use? I would imagine that a dipole, cut and tuned to a dedicated frequency would be more efficient and perorm better. But, you would have to have many antennas to cover it all. I guess it's about compromise. These military type 15 foot vertical whips used on trucks for HF use with a tuner is really a trade off too,but it's a practical compromise. Were your test antennas up relatively high, or like a NVIS?
What you say makes sense,tho. Whenever possible, go for the tuned dipole.
Best,
Phil

Philip Bader
pbader@...
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakelandarc.org/
Currently: Polk County School Board Electronics
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006

----- Original Message -----
From: steve95446
To: ham-antennas@yahoogroups.com
Sent: Saturday, March 15, 2008 4:09 PM
Subject: [ham-antennas] Re: 20m dipole

I spent two days doing back to back tests between a G5RV and dipoles
at the same height.

The half wave dipoles were consistently better on each band - usually
1-2 S points better, sometimes more.

I couldn't believe the results so repeated the tests again in a
different location. Same results.

I can give you the full test result sheet if you want.

Steve G0kYA

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Checked by AVG.
Version: 7.5.519 / Virus Database: 269.21.7/1329 - Release Date: 3/14/2008 12:33 PM

[Non-text portions of this message have been removed]

4430. Re: [ham-antennas] Re: 20m dipole

Yahoo group: ham-antennas (2008)
Date: 2008-03-15 20:40:44 UTC
From: W8OKN
Topic: 4417 Message: 4430

With ladder line, the losses can be very, very low. But with coax, even part of the way, the G5RV would see some of the signal lost in the mismatch. So, I can see a dipole performing better.

W8OKN

----- Original Message -----
From: Phil Bader
To: ham-antennas@yahoogroups.com
Sent: Saturday, March 15, 2008 4:34 PM
Subject: Re: [ham-antennas] Re: 20m dipole

Isn't the point of the G5RV that it is one antenna for multi-band use? I would imagine that a dipole, cut and tuned to a dedicated frequency would be more efficient and perorm better. But, you would have to have many antennas to cover it all. I guess it's about compromise. These military type 15 foot vertical whips used on trucks for HF use with a tuner is really a trade off too,but it's a practical compromise. Were your test antennas up relatively high, or like a NVIS?
What you say makes sense,tho. Whenever possible, go for the tuned dipole.
Best,
Phil

Philip Bader
pbader@...
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakelandarc.org/
Currently: Polk County School Board Electronics
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006

----- Original Message -----
From: steve95446
To: ham-antennas@yahoogroups.com
Sent: Saturday, March 15, 2008 4:09 PM
Subject: [ham-antennas] Re: 20m dipole

I spent two days doing back to back tests between a G5RV and dipoles at the same height.

The half wave dipoles were consistently better on each band - usually 1-2 S points better, sometimes more.

I couldn't believe the results so repeated the tests again in a different location. Same results.

I can give you the full test result sheet if you want.

Steve G0kYA

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Version: 7.5.519 / Virus Database: 269.21.7/1329 - Release Date: 3/14/2008 12:33 PM

[Non-text portions of this message have been removed]

No virus found in this incoming message.
Checked by AVG.
Version: 7.5.519 / Virus Database: 269.21.7/1329 - Release Date: 3/14/2008 12:33 PM

[Non-text portions of this message have been removed]

4431. Re: [ham-antennas] Re: 20m dipole

Yahoo group: ham-antennas (2008)
Date: 2008-03-15 21:39:14 UTC
From: Ken Burchfield
Topic: 4417 Message: 4431

test result sheet
Steve,
Would be interesting, Did you do other bands, besides 20?
73 Ken

PacketRadio is Still Alive.....Mississippi.....145.010.....Simplex.....1200 Baud

----- Original Message ----
From: steve95446 <steve@...>
To: ham-antennas@yahoogroups.com
Sent: Saturday, March 15, 2008 2:09:45 PM
Subject: [ham-antennas] Re: 20m dipole

I spent two days doing back to back tests between a G5RV and dipoles
at the same height.

The half wave dipoles were consistently better on each band - usually
1-2 S points better, sometimes more.

I couldn't believe the results so repeated the tests again in a
different location. Same results.

I can give you the full test result sheet if you want.

Steve G0kYA

<!-- #ygrp-mkp{ border:1px solid #d8d8d8;font-family:Arial;margin:14px 0px;padding:0px
14px;} #ygrp-mkp hr{ border:1px solid #d8d8d8;} #ygrp-mkp #hd{
color:#628c2a;font-size:85%;font-weight:bold;line-height:122%;margin:10px 0px;} #ygrp-mkp
#ads{ margin-bottom:10px;} #ygrp-mkp .ad{ padding:0 0;} #ygrp-mkp .ad a{
color:#0000ff;text-decoration:none;} --> <!-- #ygrp-sponsor #ygrp-lc{ font-family:Arial;}
#ygrp-sponsor #ygrp-lc #hd{ margin:10px
0px;font-weight:bold;font-size:78%;line-height:122%;} #ygrp-sponsor #ygrp-lc .ad{
margin-bottom:10px;padding:0 0;} --> <!-- #ygrp-mlmsg {font-size:13px;font-family:arial,
helvetica, clean, sans-serif;} #ygrp-mlmsg table {font-size:inherit;font:100%;}
#ygrp-mlmsg select, input, textarea {font:99% arial, helvetica, clean, sans-serif;}
#ygrp-mlmsg pre, code {font:115% monospace;} #ygrp-mlmsg * {line-height:1.22em;}
#ygrp-text{ font-family:Georgia; } #ygrp-text p{ margin:0 0 1em 0;}
#ygrp-tpmsgs{ font-family:Arial; clear:both;} #ygrp-vitnav{
padding-top:10px;font-family:Verdana;font-size:77%;margin:0;} #ygrp-vitnav a{ padding:0
1px;} #ygrp-actbar{ clear:both;margin:25px
0;white-space:nowrap;color:#666;text-align:right;} #ygrp-actbar .left{
float:left;white-space:nowrap;} .bld{font-weight:bold;} #ygrp-grft{
font-family:Verdana;font-size:77%;padding:15px 0;} #ygrp-ft{
font-family:verdana;font-size:77%;border-top:1px solid #666; padding:5px 0; } #ygrp-mlmsg
#logo{ padding-bottom:10px;} #ygrp-reco { margin-bottom:20px;padding:0px;} #ygrp-reco
#reco-head { font-weight:bold;color:#ff7900;} #reco-grpname{

font-weight:bold;margin-top:10px;} #reco-category{ font-size:77%;} #reco-desc{
font-size:77%;} #ygrp-vital{ background-color:#e0ecee;margin-bottom:20px;padding:2px 0 8px
8px;} #ygrp-vital #vithd{
font-size:77%;font-family:Verdana;font-weight:bold;color:#333;text-transform:uppercase;}
#ygrp-vital ul{ padding:0;margin:2px 0;}
#ygrp-vital ul li{ list-style-type:none;clear:both;border:1px solid #e0ecee; } #ygrp-vital
ul li .ct{
font-weight:bold;color:#ff7900;float:right;width:2em;text-align:right;padding-right:.5em;}
#ygrp-vital ul li .cat{ font-weight:bold;} #ygrp-vital a{ text-decoration:none;}
#ygrp-vital a:hover{ text-decoration:underline;} #ygrp-sponsor #hd{
color:#999;font-size:77%;} #ygrp-sponsor #ov{ padding:6px
13px;background-color:#e0ecee;margin-bottom:20px;} #ygrp-sponsor #ov ul{ padding:0 0 0
8px;margin:0;} #ygrp-sponsor #ov li{ list-style-type:square;padding:6px 0;font-size:77%;}
#ygrp-sponsor #ov li a{ text-decoration:none;font-size:130%;} #ygrp-sponsor #nc{
background-color:#eee;margin-bottom:20px;padding:0 8px;} #ygrp-sponsor .ad{ padding:8px
0;} #ygrp-sponsor .ad #hd1{
font-family:Arial;font-weight:bold;color:#628c2a;font-size:100%;line-height:122%;}
#ygrp-sponsor .ad a{ text-decoration:none;} #ygrp-sponsor .ad a:hover{
text-decoration:underline;}
#ygrp-sponsor .ad p{ margin:0;} o{font-size:0;} .MsoNormal{ margin:0 0 0 0;} #ygrp-text
tt{ font-size:120%;} blockquote{margin:0 0 0 4px;} .replbq{margin:4;} -->

Never miss a thing. Make Yahoo your home page.
http://www.yahoo.com/r/hs

[Non-text portions of this message have been removed]

4432. Re: 144/440 antenna for a window

Yahoo group: ham-antennas (2008)
Date: 2008-03-16 00:40:41 UTC
From: John
Topic: 4373 Message: 4432

Hi all,
Thanks for all the kind words. We live in Oklahoma.
We have moved my uncle back into his home and hired a live in nurse.
That will be better for him all the way around. We had tried to get him
closer to us but we might as well lock him up into a prison. I spent
the day wiring his house with web cams. So he will have all his rigs
just like always. Should have done this to start with.
73 John KE5JRM

4433. Re: RG-6 Coax

Yahoo group: ham-antennas (2008)
Date: 2008-03-16 01:33:52 UTC
From: Kenneth L Head
Topic: 4421 Message: 4433

Thanks everyone for your input on this cable. A friend of mine gave me about 1000 feet of this cable, and was just curious about any info I could find before using. I do use a tuner, so, maybe I won't have too many problems.

Thanks again...
Ken

--- In ham-antennas@yahoogroups.com, "Rob - G4LMW" <G4LMW@...> wrote:
>
> Phil is quite right about the soldering problems. I am ok 'cos I have "snap-and-seal" f connecting equipment so no soldering necessary.
>
> So far as the flexibility goes, I agree, I would not want the solid cable to be flapping in the wind. I use RG6 for my dipoles but the cable is strapped to the pole 2 or 3 feet from the centre feed point.
>
> Regards
> Rob
>
>
> ----- Original Message -----
> From: Phil Bader
> To: ham-antennas@yahoogroups.com
> Sent: Saturday, March 15, 2008 3:09 PM
> Subject: Re: [ham-antennas] RG-6 Coax
>
>
> I used RG6 with all my MATV installations in the latter years of my service shop for UHF/VHF Tv antennas.
> Before that it was RG59- very lossy. The newer RG6 is lower loss,has a good solid shield,and is low loss up into the UHF. Only problem is it has steel braid, and aluminum foil under that. Can't really solder to that. The more traditional coaxes used for ham is usually RG58u (mobile coax) and RG8U. Both lossy especially as you go up in the UHF frequency. As the other fellow points out, in the HF, if a tuner is used, so what? And with the RG6's good UHF characteristics, is't a shoe-in for 2 meters and up.
> I just don't know how flexable it would be hanging from a dipole swinging to and fro for years.
> Best,
> Phil B
> Philip Bader
> pbader@...
> Amateur call: KI4NUC, Winter Haven, Fl.

> Member: Lakeland Amateur Radio Club
> http://www.lakelandarc.org/
> Currently: Polk County School Board Electronics
> Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006
>
> ----- Original Message -----
> From: Kenneth L Head
> To: ham-antennas@yahoogroups.com
> Sent: Friday, March 14, 2008 11:43 PM
> Subject: [ham-antennas] RG-6 Coax
>
> Anyone have any pro's and con's about this kind of cable. I know
it is
> 75 ohm. Any information would be helpful.
>
> Ken
> n4pwp
>
> ---
>
> No virus found in this incoming message.
> Checked by AVG.
> Version: 7.5.519 / Virus Database: 269.21.7/1329 - Release Date:
3/14/2008 12:33 PM
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> [Non-text portions of this message have been removed]
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> ---

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>
> No virus found in this incoming message.
> Checked by AVG.
> Version: 7.5.519 / Virus Database: 269.21.7/1329 - Release Date:
14/03/2008 12:33
>
>
> [Non-text portions of this message have been removed]
>

4434. Looking for opinions on the SuperAntennas YP-3 yagi

Yahoo group: ham-antennas (2008)
Date: 2008-03-16 04:56:02 UTC
From: Mark Lunday, WD4ELG
Topic: 4434 Message: 4434

Looks like a nifty setup. A bit pricey, but it sure is portable. Before I save up my cash and buy this, I am interested in anyone who has some experience with it.

http://www.superantennas.com/html/yp-3_yagi_info.html

Thanks.

Mark Lunday
WD4ELG
wd4elg@...
http://wd4elg.net

4435. Re: G5RV

Yahoo group: ham-antennas (2008)
Date: 2008-03-16 13:19:27 UTC
From: steve95446
Topic: 4417 Message: 4435

Hi,

I have uploaded the G5RV v dipoles file as a PDF. It is called G5RV_v_dipoles.pdf in the files section

For the record it was fed with 35 feet of RG8. I would have expected the SWR on 14MHz to be lower, but it was the same when fed with 25 feet of RG58 in another location (4.5:1).

Steve G0KYA

4436. Re: [ham-antennas] Re: G5RV

Yahoo group: ham-antennas (2008)
Date: 2008-03-16 14:08:59 UTC
From: Ken Burchfield
Topic: 565 Message: 4436

Hi Steve , Thanks for the information on the comparison of the your G5RV and the Dipole.
My Question, Was your G5RV build with matching section as described by Louis Varney,
You show that 20 meters had a very bad swr. I believe with the matching section that 20 meters should have had much better match.
http://www.qsl.net/aa3px/g5rv.htm
Thanks
73 Ken
Thanks

PacketRadio is Still Alive.....Mississippi.....145.010.....Simplex.....1200 Baud

----- Original Message ----
From: steve95446 <steve@...>
To: ham-antennas@yahoogroups.com
Sent: Sunday, March 16, 2008 7:19:27 AM
Subject: [ham-antennas] Re: G5RV

Hi,

I have uploaded the G5RV v dipoles file as a PDF. It is called
G5RV_v_dipoles. pdf in the files section

For the record it was fed with 35 feet of RG8. I would have expected
the SWR on 14MHz to be lower, but it was the same when fed with 25
feet of RG58 in another location (4.5:1).

Steve G0KYA

Never miss a thing. Make Yahoo your home page.
http://www.yahoo.com/r/hs

[Non-text portions of this message have been removed]

4437. Re: G5RV

Yahoo group: ham-antennas (2008)
Date: 2008-03-16 14:41:41 UTC
From: steve95446
Topic: 565 Message: 4437

Hi, it was a commercially-produced G5RV with 102 ft length and 30ft 6 inches of windowed ladder line - I think it was the 300OOhm type with a spacing of just over half an inch.

I haven't measured it to see if the length was correct, but if I model it in MMana I get, low and behold, an SWR of 1:4.95 on 20m.

I guess the matching line is too short.

I'll look into it.

Steve G0KYA

4438. Re: G5RV

Yahoo group: ham-antennas (2008)
Date: 2008-03-16 15:16:38 UTC
From: steve95446
Topic: 565 Message: 4438

I think we are getting somewhere now. When tested, the top of the G5RV was hoisted on a 10m fibreglass pole. The end of the ladder line was basically at ground height. The ends were supported in an inverted V configuration at a height of about 2m (6ft).

I have now modelled this with MMANA and it is a lousy performer!

Radiation is basically upwards on 80-17m and SWR performance is also poor.

It seems that to get a G5RV to perform well it is much, much better as a flat top. And if you can get it higher even better.

As a lowish inverted V it doesn't work too well, which is probably what we saw in the results. I hope this helps.

Regards, Steve G0KYA

4439. Station Earth

Yahoo group: ham-antennas (2008)
Date: 2008-03-16 17:12:15 UTC
From: Callum M0MCX
Topic: 4439 Message: 4439

I have just added 2 x 4 foot copper rods as well as a decent amount of 7 core heavy duty earth wire which I stripped of insulator before laying into the ground about 6 feet from the shack here.

I'm only 5 years late (!) to get a proper station ground in because I was taught prior to taking my first exam that this is absolutely de rigour for any ham station. A necessity!

The thing is, I just don't understand why?

!

Callum McCormick

<http://www.m0mcx.co.uk/> http://www.m0mcx.co.uk/

[Non-text portions of this message have been removed]

4440. Re: [SPAM][ham-antennas] Re: G5RV

Yahoo group: ham-antennas (2008)
Date: 2008-03-16 18:45:30 UTC
From: Bill Coulson
Topic: 565 Message: 4440

I too have a commercially made G5RV that I use exclusively. The configuration is up approximately 35 feet I use RG59u. The dipole is a winner for getting on HF 15, 20, 40 and 75 meters. It will perform on 160 meters as well but with modification.

For what it is you cannot beat if for time and money.

Bill Coulson
Colville, WA

----- Original Message -----
From: steve95446
To: ham-antennas@yahoogroups.com
Sent: Sunday, March 16, 2008 7:41 AM
Subject: [SPAM][ham-antennas] Re: G5RV

Hi, it was a commercially-produced G5RV with 102 ft length and 30ft 6 inches of windowed ladder line - I think it was the 300Ohm type with a spacing of just over half an inch.

I haven't measured it to see if the length was correct, but if I model it in MMana I get, low and behold, an SWR of 1:4.95 on 20m.

I guess the matching line is too short.

I'll look into it.

Steve G0KYA

[Non-text portions of this message have been removed]

4441. Re: [SPAM][ham-antennas] Re: G5RV

Yahoo group: ham-antennas (2008)
Date: 2008-03-16 19:18:17 UTC
From: Phil Bader
Topic: 565 Message: 4441

Bill, and all:
I think you hit the nail on the head: "For what it is..."
True. I think we come to expect a certain antenna to be the "be all" antenna for everything. There is always compromise with any design. If one antenna was to be used overall, this is a good one. Don't throw it out because of a few flaws.
Best,
Phil
Philip Bader
pbader@...
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakelandarc.org/
Currently: Polk County School Board Electronics
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006

----- Original Message -----
From: Bill Coulson
To: ham-antennas@yahoogroups.com
Sent: Sunday, March 16, 2008 2:45 PM
Subject: Re: [SPAM][ham-antennas] Re: G5RV

I too have a commercially made G5RV that I use exclusively. The configuration is up approximately 35 feet I use RG59u. The dipole is a winner for getting on HF 15, 20, 40 and 75 meters. It will perform on 160 meters as well but with modification.

For what it is you cannot beat if for time and money.

Bill Coulson
Colville, WA

----- Original Message -----
From: steve95446
To: ham-antennas@yahoogroups.com
Sent: Sunday, March 16, 2008 7:41 AM
Subject: [SPAM][ham-antennas] Re: G5RV

Hi, it was a commercially-produced G5RV with 102 ft length and 30ft 6 inches of windowed ladder line - I think it was the 300Ohm type with a spacing of just over half an inch.

I haven't measured it to see if the length was correct, but if I model it in MMana I get, low and behold, an SWR of 1:4.95 on 20m.

I guess the matching line is too short.

I'll look into it.

Steve G0KYA

[Non-text portions of this message have been removed]

No virus found in this incoming message.
Checked by AVG.
Version: 7.5.519 / Virus Database: 269.21.7/1331 - Release Date: 3/16/2008 10:34 AM

[Non-text portions of this message have been removed]

4442. Re: Re: G5RV

Yahoo group: ham-antennas (2008)
Date: 2008-03-16 19:45:18 UTC
From: Dave
Topic: 565 Message: 4442

I don't know if "compromise" is the right word here.

If you want an antenna to be superlative at one thing, then you want
it to reject other things.

If you want the antenna to be a monster DX antenna, then you optimize
it for low-angle radiation - and MINIMIZE the high angle radiation,
because this improves your receive performance - you don't want to
hear noise from those directions.

This is not a compromise...it's the desired behavior.

Similarly, NVIS operation intentionlly excludes low-angle radiation,
because to the NVIS operator, DX is noise.

Neither is a compromise; both are optimized for their intended operations.

It's not a matter than you can't have a do-everything antenna - it's
that you don't want one!

Dave W8NF

--- In ham-antennas@yahoogroups.com, "Phil Bader" <PBADER@...> wrote:
>
> Bill, and all:
> I think you hit the nail on the head: "For what it is..."
> True. I think we come to expect a certain antenna to be the "be
all" antenna for everything. There is always compromise with any
design. If one antenna was to be used overall, this is a good one.
Don't throw it out because of a few flaws.
> Best,
> Phil
> Philip Bader
> pbader@...
> Amateur call: KI4NUC, Winter Haven, Fl.
> Member: Lakeland Amateur Radio Club
> http://www.lakelandarc.org/
> Currently: Polk County School Board Electronics
> Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006
>
>
> ----- Original Message -----
> From: Bill Coulson
> To: ham-antennas@yahoogroups.com
> Sent: Sunday, March 16, 2008 2:45 PM
> Subject: Re: [SPAM][ham-antennas] Re: G5RV
>

>
> I too have a commercially made G5RV that I use exclusively. The
configuration is up approximately 35 feet I use RG59u. The dipole is a
winner for getting on HF 15, 20, 40 and 75 meters. It will perform on
160 meters as well but with modification.
>
> For what it is you cannot beat if for time and money.
>
> Bill Coulson
> Colville, WA
>
> ----- Original Message -----
> From: steve95446
> To: ham-antennas@yahoogroups.com
> Sent: Sunday, March 16, 2008 7:41 AM
> Subject: [SPAM][ham-antennas] Re: G5RV
>
> Hi, it was a commercially-produced G5RV with 102 ft length and 30ft 6
> inches of windowed ladder line - I think it was the 300Ohm type with
> a spacing of just over half an inch.
>
> I haven't measured it to see if the length was correct, but if I
model
> it in MMana I get, low and behold, an SWR of 1:4.95 on 20m.
>
> I guess the matching line is too short.
>
> I'll look into it.
>
> Steve G0KYA
>
> [Non-text portions of this message have been removed]
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>
> No virus found in this incoming message.
> Checked by AVG.
> Version: 7.5.519 / Virus Database: 269.21.7/1331 - Release Date:
3/16/2008 10:34 AM
>
>
> [Non-text portions of this message have been removed]
>

4443. Re: [ham-antennas] Re: Re: G5RV

Yahoo group: ham-antennas (2008)
Date: 2008-03-16 19:51:14 UTC
From: W8OKN
Topic: 565 Message: 4443

Dave,

That was VERY well said. In fact, I don't think I've ever heard it said better.

W8OKN

----- Original Message -----
From: Dave
To: ham-antennas@yahoogroups.com
Sent: Sunday, March 16, 2008 3:45 PM
Subject: [ham-antennas] Re: Re: G5RV

I don't know if "compromise" is the right word here.

If you want an antenna to be superlative at one thing, then you want
it to reject other things.

If you want the antenna to be a monster DX antenna, then you optimize
it for low-angle radiation - and MINIMIZE the high angle radiation,
because this improves your receive performance - you don't want to
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Similarly, NVIS operation intentionlly excludes low-angle radiation,
because to the NVIS operator, DX is noise.

Neither is a compromise; both are optimized for their intended operations.

It's not a matter than you can't have a do-everything antenna - it's
that you don't want one!

Dave W8NF

--- In ham-antennas@yahoogroups.com, "Phil Bader" <PBADER@...> wrote:
>
> Bill, and all:
> I think you hit the nail on the head: "For what it is..."
> True. I think we come to expect a certain antenna to be the "be
all" antenna for everything. There is always compromise with any
design. If one antenna was to be used overall, this is a good one.
Don't throw it out because of a few flaws.
> Best,
> Phil
> Philip Bader
> pbader@...
> Amateur call: KI4NUC, Winter Haven, Fl.
> Member: Lakeland Amateur Radio Club

> http://www.lakelandarc.org/
> Currently: Polk County School Board Electronics
> Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006
>
>
> ----- Original Message -----
> From: Bill Coulson
> To: ham-antennas@yahoogroups.com
> Sent: Sunday, March 16, 2008 2:45 PM
> Subject: Re: [SPAM][ham-antennas] Re: G5RV
>
>
> I too have a commercially made G5RV that I use exclusively. The
configuration is up approximately 35 feet I use RG59u. The dipole is a
winner for getting on HF 15, 20, 40 and 75 meters. It will perform on
160 meters as well but with modification.
>
> For what it is you cannot beat if for time and money.
>
> Bill Coulson
> Colville, WA
>
> ----- Original Message -----
> From: steve95446
> To: ham-antennas@yahoogroups.com
> Sent: Sunday, March 16, 2008 7:41 AM
> Subject: [SPAM][ham-antennas] Re: G5RV
>
> Hi, it was a commercially-produced G5RV with 102 ft length and 30ft 6
> inches of windowed ladder line - I think it was the 300OOhm type with
> a spacing of just over half an inch.
>
> I haven't measured it to see if the length was correct, but if I
model
> it in MMana I get, low and behold, an SWR of 1:4.95 on 20m.
>
> I guess the matching line is too short.
>
> I'll look into it.
>
> Steve G0KYA
>
> [Non-text portions of this message have been removed]
>
>
>
>
>
>
>

>
>
> No virus found in this incoming message.
> Checked by AVG.
> Version: 7.5.519 / Virus Database: 269.21.7/1331 - Release Date:
3/16/2008 10:34 AM
>
>
> [Non-text portions of this message have been removed]
>

No virus found in this incoming message.
Checked by AVG.
Version: 7.5.519 / Virus Database: 269.21.7/1331 - Release Date: 3/16/2008 10:34 AM

[Non-text portions of this message have been removed]

4444. Re: [ham-antennas] Re: Re: G5RV

Yahoo group: ham-antennas (2008)
Date: 2008-03-16 20:17:53 UTC
From: Phil Bader
Topic: 565 Message: 4444

Well, now as far as not wanting an "everything antenna", Sometimes it's not want but rather need. Many must choose due to space and other restrictions , one everything antenna of sorts. I simply meant sometimes one indeed does compromise for sake of space,heigth,etc in order to get on the air. And any antenna system has it's strengths and weaknesses.
Best,
Phil
Philip Bader
pbader@...
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakelandarc.org/
Currently: Polk County School Board Electronics
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006

----- Original Message -----
From: Dave
To: ham-antennas@yahoogroups.com
Sent: Sunday, March 16, 2008 3:45 PM
Subject: [ham-antennas] Re: Re: G5RV

I don't know if "compromise" is the right word here.

If you want an antenna to be superlative at one thing, then you want
it to reject other things.

If you want the antenna to be a monster DX antenna, then you optimize
it for low-angle radiation - and MINIMIZE the high angle radiation,
because this improves your receive performance - you don't want to
hear noise from those directions.

This is not a compromise...it's the desired behavior.

Similarly, NVIS operation intentionlly excludes low-angle radiation,
because to the NVIS operator, DX is noise.

Neither is a compromise; both are optimized for their intended operations.

It's not a matter than you can't have a do-everything antenna - it's
that you don't want one!

Dave W8NF

--- In ham-antennas@yahoogroups.com, "Phil Bader" <PBADER@...> wrote:
>
> Bill, and all:
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> True. I think we come to expect a certain antenna to be the "be

all" antenna for everything. There is always compromise with any
design. If one antenna was to be used overall, this is a good one.
Don't throw it out because of a few flaws.
> Best,
> Phil
> Philip Bader
> pbader@...
> Amateur call: KI4NUC, Winter Haven, Fl.
> Member: Lakeland Amateur Radio Club
> http://www.lakelandarc.org/
> Currently: Polk County School Board Electronics
> Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006
>
>
> ----- Original Message -----
> From: Bill Coulson
> To: ham-antennas@yahoogroups.com
> Sent: Sunday, March 16, 2008 2:45 PM
> Subject: Re: [SPAM][ham-antennas] Re: G5RV
>
>
> I too have a commercially made G5RV that I use exclusively. The
configuration is up approximately 35 feet I use RG59u. The dipole is a
winner for getting on HF 15, 20, 40 and 75 meters. It will perform on
160 meters as well but with modification.
>
> For what it is you cannot beat if for time and money.
>
> Bill Coulson
> Colville, WA
>
> ----- Original Message -----
> From: steve95446
> To: ham-antennas@yahoogroups.com
> Sent: Sunday, March 16, 2008 7:41 AM
> Subject: [SPAM][ham-antennas] Re: G5RV
>
> Hi, it was a commercially-produced G5RV with 102 ft length and 30ft 6
> inches of windowed ladder line - I think it was the 300Ohm type with
> a spacing of just over half an inch.
>
> I haven't measured it to see if the length was correct, but if I
model
> it in MMana I get, low and behold, an SWR of 1:4.95 on 20m.
>
> I guess the matching line is too short.
>
> I'll look into it.
>
> Steve G0KYA

>
> [Non-text portions of this message have been removed]
>
>
>
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>
>
>

>
>
> No virus found in this incoming message.
> Checked by AVG.
> Version: 7.5.519 / Virus Database: 269.21.7/1331 - Release Date:
3/16/2008 10:34 AM
>
>
> [Non-text portions of this message have been removed]
>

No virus found in this incoming message.
Checked by AVG.
Version: 7.5.519 / Virus Database: 269.21.7/1331 - Release Date: 3/16/2008 10:34 AM

[Non-text portions of this message have been removed]

4445. Re: [SPAM][ham-antennas] Re: G5RV

Yahoo group: ham-antennas (2008)
Date: 2008-03-16 21:34:07 UTC
From: Ken Burchfield
Topic: 565 Message: 4445

Steve,
I think that you maybe finding the "flaw " in the Setup for the G5RV as you have indicate. Hope you find the reason for the high swr on 20 meters for it and will report back on the project.
Thanks 73 Ken

PacketRadio is Still Alive.....Mississippi.....145.010.....Simplex.....1200 Baud

----- Original Message ----
From: Phil Bader <PBADER@...>
To: ham-antennas@yahoogroups.com
Sent: Sunday, March 16, 2008 1:18:17 PM
Subject: Re: [SPAM][ham-antennas] Re: G5RV

Bill, and all:
I think you hit the nail on the head: "For what it is..."
True. I think we come to expect a certain antenna to be the "be all" antenna for everything. There is always compromise with any design. If one antenna was to be used overall, this is a good one. Don't throw it out because of a few flaws.
Best,
Phil
Philip Bader
pbader@tampabay. rr.com
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakeland arc.org/
Currently: Polk County School Board Electronics
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006

----- Original Message -----
From: Bill Coulson
To: ham-antennas@ yahoogroups. com
Sent: Sunday, March 16, 2008 2:45 PM
Subject: Re: [SPAM][ham-antennas] Re: G5RV

I too have a commercially made G5RV that I use exclusively. The configuration is up approximately 35 feet I use RG59u. The dipole is a winner for getting on HF 15, 20, 40 and 75 meters. It will perform on 160 meters as well but with modification.

For what it is you cannot beat if for time and money.

Bill Coulson
Colville, WA

----- Original Message -----
From: steve95446
To: ham-antennas@ yahoogroups. com

Sent: Sunday, March 16, 2008 7:41 AM
Subject: [SPAM][ham-antennas] Re: G5RV

Hi, it was a commercially- produced G5RV with 102 ft length and 30ft 6 inches of windowed ladder line - I think it was the 300Ohm type with a spacing of just over half an inch.

I haven't measured it to see if the length was correct, but if I model it in MMana I get, low and behold, an SWR of 1:4.95 on 20m.

I guess the matching line is too short.

I'll look into it.

Steve G0KYA

Never miss a thing. Make Yahoo your home page.
http://www.yahoo.com/r/hs

[Non-text portions of this message have been removed]

4446. Re: [ham-antennas] Re: 20m dipole

Yahoo group: ham-antennas (2008)
Date: 2008-03-17 02:23:52 UTC
From: Wayne
Topic: 4417 Message: 4446

I can beleive that there is a difference.
I personally do not like the idea of an antenna that cannot work at some part of the band without a tuner. And the G5RV is known to need a tuner on any band, period.
I can run my dipole system on the top end of the 75 meter band without a tuner.
I used to have a 20/40 meter dipole, two dipoles with common center, and they could be used on part of the two bands without a tuner. And they most likely radiated reasonably well.
At one point, I put together a 75 meter dipole, left it long till I went to set it up. Took it on a camping trip, set it up and then tuned it for best SWR where I was going tooperate. Worked very well for me, and I did not have to mess with a tuner.
Simpler is far often actually better...
YMMV

Wayne WA2YNE
Imperial, Tejas

On Sat, 15 Mar 2008 15:09:45 -0500, steve95446 <steve@...>
wrote:

> I spent two days doing back to back tests between a G5RV and dipoles
> at the same height.
>
> The half wave dipoles were consistently better on each band - usually
> 1-2 S points better, sometimes more.
>
> I couldn't believe the results so repeated the tests again in a
> different location. Same results.
>
> I can give you the full test result sheet if you want.
>
> Steve G0kYA
>

--
Using Opera's revolutionary e-mail client: http://www.opera.com/mail/

4447. Link Antenna Tuner

Yahoo group: ham-antennas (2008)
Date: 2008-03-17 18:24:44 UTC
From: aa5wg
Topic: 4447 Message: 4447

Hi everyone:
I read a center fed multiband dipole, with open ladder line, should have its "transmission line" cut at even or odd 1/4 wave lengths for a given frequency. The starting point for measuring the 1/4 wavelengths sections starts at the antenna input and extends all the way to the link antenna coupler.

Another book said the even or odd 1/4 wavelength measurments starts at the end of the antenna and extends down the transmision line to the link antenna coupler.

Which of the above starting points for measuring even or odd 1/4 wavelength lengths is correct (antenna input or at the end of the antenna)?

Thank you.
Chuck - AA5WG

4448. Re: [ham-antennas] Link Antenna Tuner

Yahoo group: ham-antennas (2008)
Date: 2008-03-17 19:55:43 UTC
From: patrick.obrien47
Topic: 4447 Message: 4448

HI Chuck.
Check the ZS6BKW multi band antenna
I heard about in the hfpack group i think?
formula L1 horizontal wire is 204/Flow and L2 vertical feed 400 ohm is 92/Flow

Patrick GW1SXN
----- Original Message -----
From: aa5wg
To: ham-antennas@yahoogroups.com
Sent: Monday, March 17, 2008 6:24 PM
Subject: [ham-antennas] Link Antenna Tuner

Hi everyone:
I read a center fed multiband dipole, with open ladder line, should have its "transmission line" cut at even or odd 1/4 wave lengths for a given frequency. The starting point for measuring the 1/4 wavelengths sections starts at the antenna input and extends all the way to the link antenna coupler.

Another book said the even or odd 1/4 wavelength measurments starts at the end of the antenna and extends down the transmision line to the link antenna coupler.

Which of the above starting points for measuring even or odd 1/4 wavelength lengths is correct (antenna input or at the end of the antenna)?

Thank you.
Chuck - AA5WG

No virus found in this incoming message.
Checked by AVG.
Version: 7.5.519 / Virus Database: 269.21.7/1331 - Release Date: 16/03/2008 10:34

[Non-text portions of this message have been removed]

4449. Re: [ham-antennas] Dipole on my fence

Yahoo group: ham-antennas (2008)
Date: 2008-03-17 21:56:14 UTC
From: Ken Burchfield
Topic: 4359 Message: 4449

Bonner/Jim,
I have had direct burial RG8 buried for several years with any problem, it goes out to the back yard and feeds my antenna there about 75 ' away.
Now grant you there are some feed lines that will not tolerate being on or near the ground like twin lead, open line and the like.
Depends on what band and what your operation if the 4' will do, NVIS on 75 should work good, and I have worked AZ from MS when he was using 2 ft off the ground NVIS on 20 meters running 100 watts and less.
Hope you will give it a try and give us a report, I think you will be surprised!
73 Ken

PacketRadio is Still Alive.....Mississippi.....145.010.....Simplex.....1200 Baud

----- Original Message ----
From: James M.(Jim) Geidl <jgeidl@...>
To: ham-antennas@yahoogroups.com
Sent: Sunday, March 9, 2008 12:10:30 AM
Subject: RE: [ham-antennas] Dipole on my fence

Bonner,

Contact Sherman, WA6TVS, I think he has his Cobra Ultralite running along a fence. I can tell you from talking to him that it works great.

Jim, K6JMG
//

> [mailto:ham-antennas@ yahoogroups. com] On Behalf Of pitbon
> Sent: Saturday, March 08, 2008 9:34 PM
> To: ham-antennas@ yahoogroups. com
> Subject: [ham-antennas] Dipole on my fence
>
> Due to my HOA restrictions i want to try a dipole on my split
> rail fence.
> Anyone tried this and had success?
>
> The only thing im worried about is the feed line touching the
> ground...is that a problem? I thought i had read that somewhere.
>
> My fence is about 4 foot high but because of my lot lay out,
> the fence in my back yard is about 20 foot higher than my
> ground floor level of my home.
> Can I just lay the feed line on the ground or what does
> anyone suggest? Im of course trying to be stealthy with the
> whole thing so any suggestions would be GREATLY appreciated!
>

>
> Bonner KJ4BKK
>

<!-- #ygrp-mkp{ border:1px solid #d8d8d8;font-family:Arial;margin:14px 0px;padding:0px 14px;} #ygrp-mkp hr{ border:1px solid #d8d8d8;} #ygrp-mkp #hd{ color:#628c2a;font-size:85%;font-weight:bold;line-height:122%;margin:10px 0px;} #ygrp-mkp #ads{ margin-bottom:10px;} #ygrp-mkp .ad{ padding:0 0;} #ygrp-mkp .ad a{ color:#0000ff;text-decoration:none;} --> <!-- #ygrp-sponsor #ygrp-lc{ font-family:Arial;} #ygrp-sponsor #ygrp-lc #hd{ margin:10px 0px;font-weight:bold;font-size:78%;line-height:122%;} #ygrp-sponsor #ygrp-lc .ad{ margin-bottom:10px;padding:0 0;} --> <!-- #ygrp-mlmsg {font-size:13px;font-family:arial, helvetica, clean, sans-serif;} #ygrp-mlmsg table {font-size:inherit;font:100%;} #ygrp-mlmsg select, input, textarea {font:99% arial, helvetica, clean, sans-serif;} #ygrp-mlmsg pre, code {font:115% monospace;} #ygrp-mlmsg * {line-height:1.22em;} #ygrp-text{ font-family:Georgia; } #ygrp-text p{ margin:0 0 1em 0;} #ygrp-tpmsgs{ font-family:Arial; clear:both;} #ygrp-vitnav{ padding-top:10px;font-family:Verdana;font-size:77%;margin:0;} #ygrp-vitnav a{ padding:0 1px;} #ygrp-actbar{ clear:both;margin:25px 0;white-space:nowrap;color:#666;text-align:right;} #ygrp-actbar .left{ float:left;white-space:nowrap;} .bld{font-weight:bold;} #ygrp-grft{ font-family:Verdana;font-size:77%;padding:15px 0;} #ygrp-ft{ font-family:verdana;font-size:77%;border-top:1px solid #666; padding:5px 0; } #ygrp-mlmsg #logo{ padding-bottom:10px;} #ygrp-vital{ background-color:#e0ecee;margin-bottom:20px;padding:2px 0 8px 8px;} #ygrp-vital #vithd{ font-size:77%;font-family:Verdana;font-weight:bold;color:#333;text-transform:uppercase;} #ygrp-vital ul{ padding:0;margin:2px 0;} #ygrp-vital ul li{ list-style-type:none;clear:both;border:1px solid #e0ecee; } #ygrp-vital ul li .ct{ font-weight:bold;color:#ff7900;float:right;width:2em;text-align:right;padding-right:.5em;} #ygrp-vital ul li .cat{ font-weight:bold;} #ygrp-vital a{ text-decoration:none;} #ygrp-vital a:hover{ text-decoration:underline;} #ygrp-sponsor #hd{ color:#999;font-size:77%;} #ygrp-sponsor #ov{ padding:6px 13px;background-color:#e0ecee;margin-bottom:20px;} #ygrp-sponsor #ov ul{ padding:0 0 0 8px;margin:0;} #ygrp-sponsor #ov li{ list-style-type:square;padding:6px 0;font-size:77%;} #ygrp-sponsor #ov li a{ text-decoration:none;font-size:130%;} #ygrp-sponsor #nc{ background-color:#eee;margin-bottom:20px;padding:0 8px;} #ygrp-sponsor .ad{ padding:8px 0;} #ygrp-sponsor .ad #hd1{ font-family:Arial;font-weight:bold;color:#628c2a;font-size:100%;line-height:122%;} #ygrp-sponsor .ad a{ text-decoration:none;} #ygrp-sponsor .ad a:hover{ text-decoration:underline;} #ygrp-sponsor .ad p{ margin:0;} o{font-size:0;} .MsoNormal{ margin:0 0 0 0;} #ygrp-text tt{ font-size:120%;} blockquote{margin:0 0 0 4px;} .replbq{margin:4;} -->

_____
Do You Yahoo!?
Tired of spam? Yahoo! Mail has the best spam protection around
http://mail.yahoo.com

[Non-text portions of this message have been removed]

4450. Re: [ham-antennas] Link Antenna Tuner

Yahoo group: ham-antennas (2008)
Date: 2008-03-17 23:55:29 UTC
From: Chuck Pool
Topic: 4447 Message: 4450

Hi Patrick:
I will check it out.
Thank you.
Chuck

"patrick.obrien47" <patrick.obrien47@...> wrote:
HI Chuck.
Check the ZS6BKW multi band antenna
I heard about in the hfpack group i think?
formula L1 horizontal wire is 204/Flow and L2 vertical feed 400 ohm is 92/Flow

Patrick GW1SXN
----- Original Message -----
From: aa5wg
To: ham-antennas@yahoogroups.com
Sent: Monday, March 17, 2008 6:24 PM
Subject: [ham-antennas] Link Antenna Tuner

Hi everyone:
I read a center fed multiband dipole, with open ladder line, should
have its "transmission line" cut at even or odd 1/4 wave lengths
for a given frequency. The starting point for measuring the 1/4
wavelengths sections starts at the antenna input and extends all the
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Another book said the even or odd 1/4 wavelength measurments starts at
the end of the antenna and extends down the transmision line to the
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Which of the above starting points for measuring even or odd 1/4
wavelength lengths is correct (antenna input or at the end of the
antenna)?

Thank you.
Chuck - AA5WG

No virus found in this incoming message.
Checked by AVG.
Version: 7.5.519 / Virus Database: 269.21.7/1331 - Release Date: 16/03/2008 10:34

[Non-text portions of this message have been removed]

Be a better friend, newshound, and know-it-all with Yahoo! Mobile. Try it now.

[Non-text portions of this message have been removed]

4451. Antenna Tuner Help

Yahoo group: ham-antennas (2008)
Date: 2008-03-18 15:27:17 UTC
From: vk5abc
Topic: 4451 Message: 4451

Hello Everyone
I would like to build a remotely operated balanced input either 300 ohms or 450 ohms input, it needs to handle up to 1.5kW. I need some ideas, as I really don't know where to start, I don't have circuit. So you folks have the floor. BTW I have never build an antenna tuner before.

73 Lee VK5ABC

4452. Re: Antenna Tuner Help

Yahoo group: ham-antennas (2008)
Date: 2008-03-19 06:34:32 UTC
From: Puck
Topic: 4451 Message: 4452

--- In ham-antennas@yahoogroups.com, "vk5abc" <vk5abc@...> wrote:
>
> Hello Everyone
> I would like to build a remotely operated balanced input either 300
> ohms or 450 ohms input, it needs to handle up to 1.5kW. I need some
> ideas, as I really don't know where to start, I don't have circuit.
> So you folks have the floor. BTW I have never build an antenna tuner
> before.
>
> 73 Lee VK5ABC
>

Here's one idea.

http://www.somis.org/bbat.html

Puck, W4PM

4453. Quad Questions

Yahoo group: ham-antennas (2008)
Date: 2008-03-19 07:37:55 UTC
From: Keith
Topic: 4453 Message: 4453

I realize this group is for ham antennas but are questions about 11 meter antennas permitted here?
I have questions about quad antennas I haven't found suitable answers to on the internet or in any antenna books I've read.

I've received conflicting answers about questions I've asked a few extra class hams that should be in the know.
The conflicting answers I get have merit in some ways but they can't both be true.

Thanks

KM

4454. Re: [ham-antennas] Quad Questions

Yahoo group: ham-antennas (2008)
Date: 2008-03-19 09:33:25 UTC
From: Walter A. Breining
Topic: 4453 Message: 4454

What do you need to know?
----- Original Message -----
From: Keith
To: ham-antennas@yahoogroups.com
Sent: Wednesday, March 19, 2008 02:37
Subject: [ham-antennas] Quad Questions

I realize this group is for ham antennas but are questions about 11
meter antennas permitted here?
I have questions about quad antennas I haven't found suitable answers
to on the internet or in any antenna books I've read.

I've received conflicting answers about questions I've asked a few
extra class hams that should be in the know.
The conflicting answers I get have merit in some ways but they can't
both be true.

Thanks

KM

No virus found in this incoming message.
Checked by AVG.
Version: 7.5.519 / Virus Database: 269.21.7/1333 - Release Date: 3/18/2008 08:10

[Non-text portions of this message have been removed]

4455. Rotator help emotator 1102MXX

Yahoo group: ham-antennas (2008)
Date: 2008-03-19 11:11:12 UTC
From: vk5abc
Topic: 4455 Message: 4455

Hello Everyone
I have or should I say I had, a rotator. I need to find a replacement round 8 pin connector (about 21mm) on the rotator. Either I find the correct socket or I find something similar plug and socket. it only uses 7 of the 8 pins the brand is emotator Your help suggestions are needed.

73 Lee

4456. RE: [ham-antennas] Quad Questions

Yahoo group: ham-antennas (2008)
Date: 2008-03-19 11:53:16 UTC
From: AE5MH
Topic: 4453 Message: 4456

Only if we actually know what it is that your concerned about can we then blow giant holes in it!

[;-0

-----Original Message-----
From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Keith
Sent: Wednesday, March 19, 2008 2:38 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Quad Questions

I realize this group is for ham antennas but are questions about 11 meter antennas permitted here?
I have questions about quad antennas I haven't found suitable answers to on the internet or in any antenna books I've read.

I've received conflicting answers about questions I've asked a few extra class hams that should be in the know.
The conflicting answers I get have merit in some ways but they can't both be true.

Thanks

KM

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 974 members (as of 11/07/07, and attachments are NOT permitted.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

4457. Re: [ham-antennas] Quad Questions

Yahoo group: ham-antennas (2008)
Date: 2008-03-19 22:41:36 UTC
From: N0ATH
Topic: 4453 Message: 4457

I am certainly not smart enough to dispute anything
from the fellows that write the books but I would be
more than happy to try and assist with your project. It
doesn't (normally) make any difference as to what
frequency the antenna is used on the recipe is still
the same - If I can help you Keith I will sure give it a try.
Just another dumb extra here though /
N?ATH / Dave

----- Original Message -----
From: "AE5MH" <ae5mh@...>
To: <ham-antennas@yahoogroups.com>
Sent: Wednesday, March 19, 2008 6:53 AM
Subject: RE: [ham-antennas] Quad Questions

Only if we actually know what it is that your concerned about can we then
blow giant holes in it!

[;-0

-----Original Message-----
From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On
Behalf Of Keith
Sent: Wednesday, March 19, 2008 2:38 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Quad Questions

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I have questions about quad antennas I haven't found suitable answers
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I've received conflicting answers about questions I've asked a few
extra class hams that should be in the know.
The conflicting answers I get have merit in some ways but they can't
both be true.

Thanks

KM

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
to ALL 974 members (as of 11/07/07, and attachments are NOT permitted.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com

Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

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List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

4458. Re: [ham-antennas] Re: Antenna Tuner Help

Yahoo group: ham-antennas (2008)
Date: 2008-03-19 23:42:11 UTC
From: Chuck Pool
Topic: 4451 Message: 4458

Thank you Lee, but I am sticking the the link antenna tuner.
73,
Chuck

Puck <hmmjr@...> wrote:
--- In ham-antennas@yahoogroups.com, "vk5abc" <vk5abc@...> wrote:
>
> Hello Everyone
> I would like to build a remotely operated balanced input either 300
> ohms or 450 ohms input, it needs to handle up to 1.5kW. I need some
> ideas, as I really don't know where to start, I don't have circuit.
> So you folks have the floor. BTW I have never build an antenna tuner
> before.
>
> 73 Lee VK5ABC
>

Here's one idea.

http://www.somis.org/bbat.html

Puck, W4PM

Never miss a thing. Make Yahoo your homepage.

[Non-text portions of this message have been removed]

4459. RE: [ham-antennas] Quad Questions

Yahoo group: ham-antennas (2008)
Date: 2008-03-19 23:50:02 UTC
From: Callum M0MCX
Topic: 4453 Message: 4459

Hello Keith,

I have built a few 11 meter antennas in my time. The best one was a mono-band 3 element yagi for 11m. It was marvellous and I had it up at around 80 feet or so. Quads can be great but a mono-band quad is hardly worthwhile for you. Hams generally build them because they are easy(ish) to make into multi-band antennas to suit 20, 15 and 10m (for instance).

I did once have a manufactured quad made by (I think Avanti). It was a PDL-2 ☐ damned fantastic beast it was - and switchable from vertical to horizontal too. Bulky though. The three element was lots easier and simple to maintain, more so than the quad!

Anyway ☐ shoot away old boy, have no fear here. Antennas are fun regardless of frequency :)

Callum McCormick
T: 07976 631881
http://www.m0mcx.co.uk/

While others were busy thinking outside the box, I cut it up because I needed some cardboard for a project I was making.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Keith
Sent: 19 March 2008 07:38
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Quad Questions

I realize this group is for ham antennas but are questions about 11 meter antennas permitted here?
I have questions about quad antennas I haven't found suitable answers to on the internet or in any antenna books I've read.

I've received conflicting answers about questions I've asked a few extra class hams that should be in the know.
The conflicting answers I get have merit in some ways but they can't both be true.

Thanks

KM

4460. Re: Quad Questions

Yahoo group: ham-antennas (2008)
Date: 2008-03-20 06:03:34 UTC
From: Keith
Topic: 4453 Message: 4460

My first question is about a matching system for the quad.
I've ruled out the available manufactured Baluns due to their physical size.
Regardless of the way they are orientated on the spreader arm they will put the driven loop out of alignment.
Two points of the driven loop will be misaligned with the rest of the loops making the driven loop larger than the reflector on one side.
I don't want it being confused as to which direction it should be directional.

That leaves two types of matching systems that I'm aware of, a 1/4 WL of 75 ohm coax for a matching system or a coax Balun like "The Ugly Balun".
Both can be done in a way that doesn't misassign the driven loop from the other loops.

Which is better, a 1/4 WL of 75 ohm coax or a coax Balun?
What about a 1/4 WL of 75 ohm coax made into a coax Balun?
Would there be any advantage in using the 1/4 WL of 75 ohm coax in a coax Balun?

I'm leaning towards the coax "Ugly" Balun for the simple reason it offers the option of dual polarity with a single coax feedline if done correctly and I have yet to figure out that option with a 1/4 WL of 75 ohm coax.
I have an MFJ 259B and use it to do my coax and tune my omni ground plane which is spot on and works well for the location it's in being I'm located down in a hole in a flood zone and my nearest neighbors are at 100-200 feet higher elevation.
To be on the same playing field with them I would have to have a 150-200 foot tower to be near the same elevation antenna wise.
On a small lot with limited room to work with I want to maximize a directional antenna the best I can whatever it may be.

The max boom length I can do here is about 22 feet with the best location on a 7,500 square foot lot.
Not a lot of room to work with having trees, storage buildings and such to work around.
That leads me to my next question.
I would love to build a six element quad but just don't have enough room for it, the best I can do is a 5 element on a 22 foot boom and that's a squeeze with a little tree trimming.

My next question is about conductive material inside the loops of the quad.
A 5 element will place the first director within a foot of the

support mast.
What effect will a conductive mast have being that close to the first director loop?
Would a nonconductive mast be better in that situation?
With a nonconductive mast and the coax feedline ran outside the loops so not to interfere is my thoughts on the deal.

I've read about wire size ratio having an effect and comes into play in a quad design but my thoughts are on that at 11 meters the ratio is so small it doesn't matter much, it's a very small ratio compared to the loop size.
It may be enough of a factor in higher frequencies when the ratio is higher but not that big of a deal at 11 meters.
That's what I've been told by some that are in the know but have been told different by others about the conductive mast part of the design.
It is a small ratio of the loop size at 11 meters but the conductive mast is also 50% of the pattern when vertical mode.

Will a conductive mast less than a foot from the first director have an adverse effect on the antenna or not?
I think it will and I should use a non conductive mast with the coax outside the loop so there is nothing conductive inside the loops.

Enough for now, it's late here.

Thanks

Keith

--- In ham-antennas@yahoogroups.com, "Walter A. Breining" <n9wb@...> wrote:
>
> What do you need to know?
> ----- Original Message -----
> From: Keith
> To: ham-antennas@yahoogroups.com
> Sent: Wednesday, March 19, 2008 02:37
> Subject: [ham-antennas] Quad Questions
>
>
> I realize this group is for ham antennas but are questions about 11
> meter antennas permitted here?
> I have questions about quad antennas I haven't found suitable answers
> to on the internet or in any antenna books I've read.
>
> I've received conflicting answers about questions I've asked a few
> extra class hams that should be in the know.
> The conflicting answers I get have merit in some ways but they can't

> both be true.
>
> Thanks
>
> KM
>
>
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>
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> ----------

>
>
> No virus found in this incoming message.
> Checked by AVG.
> Version: 7.5.519 / Virus Database: 269.21.7/1333 - Release Date:
3/18/2008 08:10
>
>
> [Non-text portions of this message have been removed]
>

4461. Re: [ham-antennas] Re: 20m dipole

Yahoo group: ham-antennas (2008)
Date: 2008-03-20 09:32:18 UTC
From: Walter A. Breining
Topic: 4417 Message: 4461

This makes sense. The matching/feed system in the G5RV is lossy. I recommend multiple dipoles on the same feed line over the G5RV.

Vy 73, Walt, N9WB

----- Original Message -----
From: steve95446
To: ham-antennas@yahoogroups.com
Sent: Saturday, March 15, 2008 16:09
Subject: [ham-antennas] Re: 20m dipole

I spent two days doing back to back tests between a G5RV and dipoles at the same height.

The half wave dipoles were consistently better on each band - usually 1-2 S points better, sometimes more.

I couldn't believe the results so repeated the tests again in a different location. Same results.

I can give you the full test result sheet if you want.

Steve G0kYA

No virus found in this incoming message.
Checked by AVG.
Version: 7.5.519 / Virus Database: 269.21.7/1329 - Release Date: 3/14/2008 12:33

[Non-text portions of this message have been removed]

4462. Re: Quad Questions

Yahoo group: ham-antennas (2008)
Date: 2008-03-20 15:15:03 UTC
From: Brian Hall
Topic: 4453 Message: 4462

If you're only running 5W (any more than that on 11M is illegal), then neither the balun or conductive mast issue is anything to be concerned about.

I also agree with another poster that suggested a yagi was a better design for a monoband gain antenna in your situation.

Brian AC7NA

P.S. Borrow a copy of the ARRL Antenna Book from one of your Extra friends. It will explain in detail anything you need to know in order to understand anteena theory and operation, including quads.

--- In ham-antennas@yahoogroups.com, "N0ATH" <n0ath@...> wrote:
>
> I am certainly not smart enough to dispute anything
> from the fellows that write the books but I would be
> more than happy to try and assist with your project. It
> doesn't (normally) make any difference as to what
> frequency the antenna is used on the recipe is still
> the same - If I can help you Keith I will sure give it a try.
> Just another dumb extra here though /
> NØATH / Dave
>
> ----- Original Message -----
> From: "AE5MH" <ae5mh@...>
> To: <ham-antennas@yahoogroups.com>
> Sent: Wednesday, March 19, 2008 6:53 AM
> Subject: RE: [ham-antennas] Quad Questions
>
>
> Only if we actually know what it is that your concerned about can
we then
> blow giant holes in it!
>
> [;-0
>
> -----Original Message-----
> From: ham-antennas@yahoogroups.com [mailto:ham-
antennas@yahoogroups.com] On
> Behalf Of Keith
> Sent: Wednesday, March 19, 2008 2:38 AM
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] Quad Questions
>
> I realize this group is for ham antennas but are questions about 11

> meter antennas permitted here?
> I have questions about quad antennas I haven't found suitable
answers
> to on the internet or in any antenna books I've read.
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> I've received conflicting answers about questions I've asked a few
> extra class hams that should be in the know.
> The conflicting answers I get have merit in some ways but they can't
> both be true.
>
> Thanks
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> KM
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> ---
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Replies go
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> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
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>
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>

4463. RE: [ham-antennas] Re: Quad Questions

Yahoo group: ham-antennas (2008)
Date: 2008-03-20 16:13:05 UTC
From: Callum M0MCX
Topic: 4453 Message: 4463

Keith,

Frankly, I would say the 1/4 wave stub sounds the best matching idea since it's cheap and easy. Work out the natural impedance then match it afterwards.

For the wavelength you are on, with the horizontal polarisation, I would not worry in the slightest about the tower getting in the way of you antenna. Plenty of people do this with 6, 2 and 70cms quads on aluminium poles and they never complain. Lower down the frequency spectrum, this will be a breeze.

In terms of flood plain and competing with stations 200 feet above you, for DX this is irrelevant - unless you are trying to communicate line of sight (ground wave). DX will only require a 5 to 10 degree elevation from you to horizon.

May I ask what antenna you are running with now...?

Callum McCormick

T: 07976 631881

http://www.m0mcx.co.uk/

While others were busy thinking outside the box, I cut it up because I needed some cardboard for a project I was making.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Keith
Sent: 20 March 2008 06:04
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: Quad Questions

My first question is about a matching system for the quad.
I've ruled out the available manufactured Baluns due to their physical size.
Regardless of the way they are orientated on the spreader arm they will put the driven loop out of alignment.
Two points of the driven loop will be misaligned with the rest of the loops making the driven loop larger than the reflector on one side.
I don't want it being confused as to which direction it should be directional.

That leaves two types of matching systems that I'm aware of, a 1/4 WL of 75 ohm coax for a matching system or a coax Balun like "The Ugly Balun".
Both can be done in a way that doesn't misassign the driven loop from

the other loops.

Which is better, a 1/4 WL of 75 ohm coax or a coax Balun?
What about a 1/4 WL of 75 ohm coax made into a coax Balun?
Would there be any advantage in using the 1/4 WL of 75 ohm coax in a coax Balun?

I'm leaning towards the coax "Ugly" Balun for the simple reason it offers the option of dual polarity with a single coax feedline if done correctly and I have yet to figure out that option with a 1/4 WL of 75 ohm coax.
I have an MFJ 259B and use it to do my coax and tune my omni ground plane which is spot on and works well for the location it's in being I'm located down in a hole in a flood zone and my nearest neighbors are at 100-200 feet higher elevation.
To be on the same playing field with them I would have to have a 150-200 foot tower to be near the same elevation antenna wise.
On a small lot with limited room to work with I want to maximize a directional antenna the best I can whatever it may be.

The max boom length I can do here is about 22 feet with the best location on a 7,500 square foot lot.
Not a lot of room to work with having trees, storage buildings and such to work around.
That leads me to my next question.
I would love to build a six element quad but just don't have enough room for it, the best I can do is a 5 element on a 22 foot boom and that's a squeeze with a little tree trimming.

My next question is about conductive material inside the loops of the quad.
A 5 element will place the first director within a foot of the support mast.
What effect will a conductive mast have being that close to the first director loop?
Would a nonconductive mast be better in that situation?
With a nonconductive mast and the coax feedline ran outside the loops so not to interfere is my thoughts on the deal.

I've read about wire size ratio having an effect and comes into play in a quad design but my thoughts are on that at 11 meters the ratio is so small it doesn't matter much, it's a very small ratio compared to the loop size.
It may be enough of a factor in higher frequencies when the ratio is higher but not that big of a deal at 11 meters.
That's what I've been told by some that are in the know but have been told different by others about the conductive mast part of the design.
It is a small ratio of the loop size at 11 meters but the conductive mast is also 50% of the pattern when vertical mode.

Will a conductive mast less than a foot from the first director have an adverse effect on the antenna or not?

I think it will and I should use a non conductive mast with the coax
outside the loop so there is nothing conductive inside the loops.

Enough for now, it's late here.

Thanks

Keith

--- In ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
, "Walter A. Breining" <n9wb@...>
wrote:
>
> What do you need to know?
> ----- Original Message -----
> From: Keith
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Sent: Wednesday, March 19, 2008 02:37
> Subject: [ham-antennas] Quad Questions
>
>
> I realize this group is for ham antennas but are questions about
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> I've received conflicting answers about questions I've asked a
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> The conflicting answers I get have merit in some ways but they
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> Thanks
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> KM
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> Version: 7.5.519 / Virus Database: 269.21.7/1333 - Release Date:

3/18/2008 08:10
>
>
> [Non-text portions of this message have been removed]
>

[Non-text portions of this message have been removed]

4464. Re: Quad Questions

Yahoo group: ham-antennas (2008)
Date: 2008-03-20 19:12:33 UTC
From: Keith
Topic: 4453 Message: 4464

Callum

For my omni I'm currently running a .640 23' DC ground version of the
Avanti Sigma with dual tuning slides I built.
It works well, no more static charge build up and a lot less noise.
I can hear better than those at higher elevations with taller
antennas.

The quad will be used mostly on vertical, that's why my concern with
the mast being close to the first director.
If it were horizontal only it wouldn't matter.
I plan to make it dual polarity switchable with a single coax
feedline after I get the matching system worked out and working well.
I would love to build a 6 element quad but only have enough room for
a 5 element with a 22' boom.

I ran a PDL 2 for a while but wasn't crazy about it.
My omni could hear better than the PDL 2. The only advantage the PDL
2 had was good back rejection but it had a wide pattern on the front
end.

Keith

--- In ham-antennas@yahoogroups.com, "Callum M0MCX" <callum@...>
wrote:
>
> Keith,
>
>
>
> Frankly, I would say the 1/4 wave stub sounds the best matching
idea since
> it's cheap and easy. Work out the natural impedance then match it
> afterwards.
>
>
>
> For the wavelength you are on, with the horizontal polarisation, I
would not
> worry in the slightest about the tower getting in the way of you
antenna.
> Plenty of people do this with 6, 2 and 70cms quads on aluminium
poles and
> they never complain. Lower down the frequency spectrum, this will
be a
> breeze.

>
>
>
> In terms of flood plain and competing with stations 200 feet above
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> DX this is irrelevant - unless you are trying to communicate line
of sight
> (ground wave). DX will only require a 5 to 10 degree elevation from
you to
> horizon.
>
>
>
> May I ask what antenna you are running with now...?
>
>
>
>
>
> Callum McCormick
>
> T: 07976 631881
>
> http://www.m0mcx.co.uk/
>
>
>
> While others were busy thinking outside the box, I cut it up
because I
> needed some cardboard for a project I was making.
>

4465. Re: Quad Questions

Yahoo group: ham-antennas (2008)
Date: 2008-03-20 19:22:31 UTC
From: Ian Miller
Topic: 4453 Message: 4465

Keith

As a kid, before I got my ticket, I did alot of experimenting with antennas for 11M.

Here are some of the results.

I experimented with the Quad design. It was a big monster even on 11.

Using a quad reflector behind a home-made veritcal dipole (like the shakespear big stick) gave a 1/2 dB signal gain to a station I was pointed to who was a few miles away.

It worked, not as well as I expected.

Now, as far as matching goes, being that I have built quads and quagis for 2 meters and 440mhs, a full wave loop (as I remember reading) is very close to 50 ohms at resonance. I have never used any kind on matching device on my 2 meter quad, or the 44o quad. I was able to trim them to low SWR at the band centers, with a direct connect to RG213. Using 1/4" soft copper pipe for the elements gave me a very good band width - more than 10 mhz on 2 meters before the SWR approaches 2:1

Bear in mind that a 11meter quad is a big beast. You may want to consider making a yagi. Also, a vertically polarized antenna will always be "noisier" than a horizontal antenna - man-made noise is vertically polarized in nature. But since most CB ops use vertical antennas, best to stay that way.

Good luck with the project - sounds interesting.

Ian
VA2IR
Montreal, Canada
IRLP Node 2570

4466. RE: [ham-antennas] Re: Quad Questions

Yahoo group: ham-antennas (2008)
Date: 2008-03-21 12:24:03 UTC
From: Callum M0MCX
Topic: 4453 Message: 4466

Some good pointers from Ian..

Keith - I now realise why vertical polarisation is important. I did place my 3 element beam in a vertical configuration once and the gain was great. The driven element was only about 18 inches from a scaffolding pole that held it up and the feedpoint was same distance from the rotator too. Seemed to make no difference. Just go build it my friend and don't worry about the tower causing pattern deformation. There's nothing you can do about it anyway.

Have you thought about a yagi instead of a quad..? You could build it lots easier, more elements and probably just as good an antenna..?

I'll be happy to model one for you on a boom length of 22 feet, say a 4 element..? At least with a 4 element version, the driven element and reflector are further away from the tower.

?

Cheers,

Callum McCormick

T: 07976 631881

http://www.m0mcx.co.uk/

While others were busy thinking outside the box, I cut it up because I needed some cardboard for a project I was making.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Ian Miller
Sent: 20 March 2008 19:23
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: Quad Questions

Keith

As a kid, before I got my ticket, I did alot of experimenting with antennas for 11M.

Here are some of the results.

I experimented with the Quad design. It was a big monster even on 11.

Using a quad reflector behind a home-made veritcal dipole (like the shakespear big stick) gave a 1/2 dB signal gain to a station I was pointed to who was a few miles away.

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Bear in mind that a 11meter quad is a big beast. You may want to consider making a yagi. Also, a vertically polarized antenna will always be "noisier" than a horizontal antenna - man-made noise is vertically polarized in nature. But since most CB ops use vertical antennas, best to stay that way.

Good luck with the project - sounds interesting.

Ian
VA2IR
Montreal, Canada
IRLP Node 2570

[Non-text portions of this message have been removed]

4467. Alpha Delta Coax Switches FS

Yahoo group: ham-antennas (2008)
Date: 2008-03-21 16:42:23 UTC
From: Ken Simpson, W8EK
Topic: 4467 Message: 4467

For Sale:

Coax switches by Alpha Delta

Delta 4
This is a coax switch designed to switch four antennas.
It actually has a fifth position that will ground all antennas.
There is also a special lightning arrester "plug" built in
that can be changed if you get hit. The switch is of strip
line type construction so that it provides a good impedance
match at higher frequencies; it is rated for use through 450
MHz. Of course it will handle a full 1500 Watts. SO-239
connectors. This is a very high quality coax switch!
This particular switch works just like it should, and looks
very close to new. With paper work for $65 .

Delta 2
Same as Delta 4 above, except it will only switch two
antennas, and has a third position to ground all antennas.
This one also works great and looks great also.
With paper work for $40

Prices do not include shipping from Florida.

Thanks.

73,

Ken, W8EK

Ken Simpson
E-mail to W8EK@... or W8EK@...
Voice Phone (352) 732-8400

4468. Dipole

Yahoo group: ham-antennas (2008)
Date: 2008-03-21 15:45:10 UTC
From: Rakesh Kapoor
Topic: 4468 Message: 4468

I made a dipole on 20m and fed it directly with RG58U and SWR is I:1.5 on 14.150 BUT BUT the length of the dipole each side, after trimming, comes to 14feet instead of 16.9, what could be wrong??? why SWR is low even when the length of each side of dipole is not as per formula, that is 16.9 feet ??????

4469. RE: [ham-antennas] Alpha Delta Coax Switches FS

Yahoo group: ham-antennas (2008)
Date: 2008-03-21 17:23:21 UTC
From: James M.(Jim) Geidl
Topic: 4467 Message: 4469

Ken,

I'll take them both if you will pay the shipping to CA.

Jim

James M. "Jim" Geidl, K6JMG
www.spinochio.com
1732 Whitman Road
Concord, CA 94518
925 969-1367

The information in this email may be confidential, privileged, and protected from disclosure. This email is intended to be reviewed by only the individual or organization named above. If you are not the intended recipient or an authorized representative of the intended recipient, you are hereby notified that any review, dissemination or copying of this email and its attachments, if any, or the information contained herein is prohibited. If you have received this email in error, please immediately notify the sender by return email and delete this email from your system. Thank You

> -----Original Message-----
> From: ham-antennas@yahoogroups.com
> [mailto:ham-antennas@yahoogroups.com] On Behalf Of Ken Simpson, W8EK
> Sent: Friday, March 21, 2008 8:42 AM
> To: ham-antennas@yahoogroups.com; HamGear at Onelist (HamGear
> at Onelist); Ham-Radio Yahoo; hamradio2 Yahoo
> Subject: [ham-antennas] Alpha Delta Coax Switches FS
>
>
> For Sale:
>
> Coax switches by Alpha Delta
>
> Delta 4
> This is a coax switch designed to switch four antennas.
> It actually has a fifth position that will ground all antennas.
> There is also a special lightning arrester "plug" built in
> that can be changed if you get hit. The switch is of strip
> line type construction so that it provides a good impedance
> match at higher frequencies; it is rated for use through 450
> MHz. Of course it will handle a full 1500 Watts. SO-239
> connectors. This is a very high quality coax switch!
> This particular switch works just like it should, and looks
> very close to new. With paper work for $65 .
>

> Delta 2
> Same as Delta 4 above, except it will only switch two
> antennas, and has a third position to ground all antennas.
> This one also works great and looks great also.
> With paper work for $40
>
> Prices do not include shipping from Florida.
>
> Thanks.
>
> 73,
>
> Ken, W8EK
>
> Ken Simpson
> E-mail to W8EK@... or W8EK@... Voice Phone
> (352) 732-8400
>
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> ---
>
> HAM ANTENNAS Anything and everything, tell us or ask
> questions. Replies go to ALL 974 members (as of 11/07/07, and
> attachments are NOT permitted.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>

4470. Re: [ham-antennas] Dipole

Yahoo group: ham-antennas (2008)
Date: 2008-03-21 16:47:21 UTC
From: trucken4peace@yahoo.com
Topic: 4468 Message: 4470

14feet instead of 16.9, what could be wrong???

Lots of reasons. From how high it is off the ground (ground loss), type of wire (gauge, covered or bare), how close it is to metal (gutters, tower, shed) and pronbably others. All that being said if all connections are correct don't worry about length. Remember a lot of antenna math is in a perfect world. Just like one antenna works for one ham but not another. As long as the swr is low to make the radio happy have fun...

KE7JSL
John Hinshaw
Sent via BlackBerry from T-Mobile

4471. Re: Quad Questions

Yahoo group: ham-antennas (2008)
Date: 2008-03-21 18:07:01 UTC
From: Wayne Leake
Topic: 4453 Message: 4471

Regardless of what many are doing out there, a few things for 11 meter operation have not changed. It is illegal to have an antenna mounter higher than 20 feet above a tree, house, or building, including an existing tower for other services. Otherwise it is 60 feet for an antenna and tower/mast put up just for CB use.
External amplifiers are not legal in any sahpe or form. this does not include receiver preamps.
Someone in one of the answers mentioned DX. In all of the USA and areas controlled by same, it is illegal on 11 meter class D CB to talk, or attempt to talk more than 250 Kilometers, about 153 miles.

I am not an expert on Quads, preferring Yagi designs, but I have seen a few drawbacks along the line with them.
Support arms breaking, usually not made strong enough. PVC is a poor choice for anything below the two meter band, in my opinion, and even there one needs to consider it is weak and will deteriorate in the sun and heat. Even Fiberglas, if not well designed and protected, will deteriorate.. I once got a handful of fiberglas splinters from a fiberglas anenna that I was going to salvage to use on ten meters.
The polarization can be off kilter if the desing or antenna is not fed correctly. Trying for dual polarity from one feed line didvides the siganl between the two, so will not work as well as using two feedlines, or a switching system at the antenna feed.
I once looked at a quad made for 11 meters being sold as dual polarity. Turns out it was neither, but halfway in between. While it worked, it was a severe compromise. For most legal 11 meter use, it is better to simply stick with vertical polarity, as very few mobiles will be using horizontal...
Using a non metallic mast to mount a large 11 meter quad is begging for trouble down the road. Simply not sturdy enough to support such an item. Even using too weak a metal mast can be a problem eventually.
Designe right, the metal mast will have little effect on the antennas elements, as long as not mounted so element is too close. And, as was pointed out, with horizontal polarity, the vertical mast will heve negligible effect.
YMMV

Wayne WA2YNE
Imperial Tejas, Pecos River Valley...

--- In ham-antennas@yahoogroups.com, "Keith" <keithmatthews@...> wrote:
>
> I realize this group is for ham antennas but are questions about 11
> meter antennas permitted here?
> I have questions about quad antennas I haven't found suitable answers
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>
> I've received conflicting answers about questions I've asked a few
> extra class hams that should be in the know.
> The conflicting answers I get have merit in some ways but they can't
> both be true.
>
> Thanks
>
> KM
>

4472. Re: [ham-antennas] Dipole

Yahoo group: ham-antennas (2008)
Date: 2008-03-21 18:55:39 UTC
From: W8OKN
Topic: 4468 Message: 4472

Very true. I've been surprised more than once with my calculations. It is very common to have to make adjustments, and sometimes way off from what you expected. I find this to be true with verticals, dipoles, J-Poles and so forth. Verticals can vary tremendously with the surrounding objects, grounding and radials, etc.

There are times when it is a bad sign. For instance, I had a dipole for 10m that had a perfect match across the entire band, on the first try. Well, I also had a ton of coaxial loss. Good matches with verticals (50 ohms) is bad a thing. A good vertical should be in the range of more like 35 ohms.

Experimenting with antennas is a ton of fun.

W8OKN

----- Original Message -----
From: trucken4peace@...
To: ham-antennas@yahoogroups.com
Sent: Friday, March 21, 2008 12:47 PM
Subject: Re: [ham-antennas] Dipole

14feet instead of 16.9, what could be wrong???

Lots of reasons. From how high it is off the ground (ground loss), type of wire (gauge, covered or bare), how close it is to metal (gutters, tower, shed) and pronbably others. All that being said if all connections are correct don't worry about length. Remember a lot of antenna math is in a perfect world. Just like one antenna works for one ham but not another. As long as the swr is low to make the radio happy have fun...

KE7JSL
John Hinshaw
Sent via BlackBerry from T-Mobile

No virus found in this incoming message.
Checked by AVG.
Version: 7.5.519 / Virus Database: 269.21.8/1337 - Release Date: 3/20/2008 8:10 PM

[Non-text portions of this message have been removed]

4473. RE: [ham-antennas] Re: Quad Questions

Yahoo group: ham-antennas (2008)
Date: 2008-03-21 20:30:55 UTC
From: Callum M0MCX
Topic: 4453 Message: 4473

I'll be off-line for a few days so I'll reply now. In my country, nobody gives a stuff what you do with RF in the community, as long as you don't cause local interference (and you are respectful .. which is mandatory in my book anyway).

Some people seem to get extremely irate because a particular rule says one darned thing and someone else goes and does another. I originally started off as an 11 meter operator and almost exclusively talked to the USA with my 11m yagi. The local authorities actually worked WITH me to get over the RF issues I was having next door - and allowed me to continue operating illegally then! 25 years later, some folks seem to think that I must have been a retard to be involved with this stuff. Actually, maybe I was - but I don't care because nobody got hurt and it did no harm to anyone anywhere. I only passed on pleasure by exchanging happy messages around the world, much as I do now.

Today, I'm the founder/owner of a 10 million dollar enterprise (actually, it's more like seven million dollars [converting from pounds] - but it doesn't sound quite right..!) which is proof that exposing yourself to lots of RF when you are young makes a difference when you're older :) - Enjoy your radios folks, you only live once!!

Wyane, I am not being desrepecting you Sir - you sound like an honest, down to earth guy and your advice is sound; it's the anonomous folks that cause intentional QRM, complain without names and QSK with sad comments about everyone else that need to be named and shamed...

Go on Keith - build it man and I'll talk to you over here in the UK on any frequency you like. Although 10m would be a whole lot easier!! :)

Callum McCormick

http://www.m0mcx.co.uk/

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Wayne Leake
Sent: 21 March 2008 18:07
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: Quad Questions

Regardless of what many are doing out there, a few things for 11 meter operation have not changed. It is illegal to have an antenna mounter higher than 20 feet above a tree, house, or building, including an existing tower for other services. Otherwise it is 60 feet for an antenna and tower/mast put up just for CB use.
External amplifiers are not legal in any sahpe or form. this does not include receiver preamps.

Someone in one of the answers mentioned DX. In all of the USA and areas controlled by same, it is illegal on 11 meter class D CB to talk, or attempt to talk more than 250 Kilometers, about 153 miles.

I am not an expert on Quads, preferring Yagi designs, but I have seen a few drawbacks along the line with them.
Support arms breaking, usually not made strong enough. PVC is a poor choice for anything below the two meter band, in my opinion, and even there one needs to consider it is weak and will deteriorate in the sun and heat. Even Fiberglas, if not well designed and protected, will deteriorate.. I once got a handful of fiberglas splinters from a fiberglas anenna that I was going to salvage to use on ten meters.
The polarization can be off kilter if the desing or antenna is not fed correctly. Trying for dual polarity from one feed line didvides the siganl between the two, so will not work as well as using two feedlines, or a switching system at the antenna feed.
I once looked at a quad made for 11 meters being sold as dual polarity. Turns out it was neither, but halfway in between. While it worked, it was a severe compromise. For most legal 11 meter use, it is better to simply stick with vertical polarity, as very few mobiles will be using horizontal...
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YMMV

Wayne WA2YNE
Imperial Tejas, Pecos River Valley...

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>
> Thanks
>
> KM
>

[Non-text portions of this message have been removed]

4474. RE: [ham-antennas] Re: Quad Questions

Yahoo group: ham-antennas (2008)
Date: 2008-03-21 22:11:02 UTC
From: NS5B@comcast.net
Topic: 4453 Message: 4474

I have to admit that I also enjoyed 11 meters as well back in the early 70's. And at one time, I had a Moonraker 6 antenna and a Johnson radio that did a real good job. Thats how I started learning how radios worked, and how to repair simple circuits. And with only 5 watts, I had to make up the difference with the antenna. That helped me learn about element length, spacing, feedline, boom lengths, and SWR. All of which have helped me to today. So, if it hadn't been for "CB" radios, and wanting more out of it as far as where I could talk, and not restricted to certain "channels", I may have never moved up to Ham Radio.

As far as the quad, I would agree, feed each separately. A-B switch....one for H, one for V.

---------- Original message ----------
From: "Callum M0MCX" <callum@...>
I'll be off-line for a few days so I'll reply now. In my country, nobody gives a stuff what you do with RF in the community, as long as you don't cause local interference (and you are respectful .. which is mandatory in my book anyway).

Some people seem to get extremely irate because a particular rule says one darned thing and someone else goes and does another. I originally started off as an 11 meter operator and almost exclusively talked to the USA with my 11m yagi. The local authorities actually worked WITH me to get over the RF issues I was having next door - and allowed me to continue operating illegally then! 25 years later, some folks seem to think that I must have been a retard to be involved with this stuff. Actually, maybe I was - but I don't care because nobody got hurt and it did no harm to anyone anywhere. I only passed on pleasure by exchanging happy messages around the world, much as I do now.

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Go on Keith - build it man and I'll talk to you over here in the UK on any frequency you like. Although 10m would be a whole lot easier!! :)

Callum McCormick

http://www.m0mcx.co.uk/

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Wayne Leake
Sent: 21 March 2008 18:07
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: Quad Questions

Regardless of what many are doing out there, a few things for 11 meter operation have not changed. It is illegal to have an antenna mounter higher than 20 feet above a tree, house, or building, including an existing tower for other services. Otherwise it is 60 feet for an antenna and tower/mast put up just for CB use.
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YMMV

Wayne WA2YNE
Imperial Tejas, Pecos River Valley...

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, "Keith" <keithmatthews@...> wrote:
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> I have questions about quad antennas I haven't found suitable answers

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>
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> Thanks
>
> KM
>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

4475. Crushcraft 440 stacked dipole - Info/identify please?

Yahoo group: ham-antennas (2008)
Date: 2008-03-22 14:02:30 UTC
From: John P.
Topic: 4417 Message: 4475

I was given a Crushcraft (stamped name) 440 stacked vertical dipole. It is 4 elements that have been mounted on an 8 foot boom (vertical). It has the coaxial feeds all set up.
I am trying to identify this item and have been unable to locate any data at all.

Can anyone offer any info please?

Thanks

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[Non-text portions of this message have been removed]

4476. Re: [ham-antennas] Crushcraft 440 stacked dipole - Info/identify please?

Yahoo group: ham-antennas (2008)
Date: 2008-03-22 15:56:41 UTC
From: Phil Bader
Topic: 4417 Message: 4476

Well, first, it's Cushcraft, not cRushcraft, so maybe hard to search. Went to their site,searched 440, and vertical. Try here.
http://www.cushcraft.com/Wireless_Product_Details.asp?style_id=6&catid=77&group_id=1726
HTH,
Phil B
Philip Bader
pbader@...
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakelandarc.org/
Currently: Polk County School Board Electronics
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006

----- Original Message -----
From: John P.
To: ham-antennas@yahoogroups.com
Sent: Saturday, March 22, 2008 10:02 AM
Subject: [ham-antennas] Crushcraft 440 stacked dipole - Info/identify please?

I was given a Crushcraft (stamped name) 440 stacked vertical dipole. It is 4 elements that have been mounted on an 8 foot boom (vertical). It has the coaxial feeds all set up.
I am trying to identify this item and have been unable to locate any data at all.

Can anyone offer any info please?

Thanks

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[Non-text portions of this message have been removed]

No virus found in this incoming message.
Checked by AVG.
Version: 7.5.519 / Virus Database: 269.21.8/1338 - Release Date: 3/21/2008 5:52 PM

[Non-text portions of this message have been removed]

4477. Re: [ham-antennas] Crushcraft 440 stacked dipole - Info/identify please?

Yahoo group: ham-antennas (2008)
Date: 2008-03-22 16:08:07 UTC
From: W5CPT
Topic: 4417 Message: 4477

Is it an 8 foot mast with 4 loops spaced from top to bottom with the feedlines molded into each other with one connector at the end? If so, it is probably a Commercial antenna cut for a commercial band. They show up at hamfests from time to time and not usable on the Ham Bands. You can usually rotate the loops around the mast and vary the pattern of the antenna to favor (or eliminate) one direction. The best way to find out if it is useable is to get an Antenna Analyzer and sweep it to find its' tuned frequency. They are tuned very sharp and as I said probably can not be used on the ham band.

And yes, it is also probably a Cushcraft which make Ham antennas but also builds commercial stuff also.

The masts are usually pretty stout and can be used to hold up another antenna !!

Clint - W5CPT

----- Original Message -----
From: John P.
To: ham-antennas@yahoogroups.com
Sent: Saturday, March 22, 2008 9:02 AM
Subject: [ham-antennas] Crushcraft 440 stacked dipole - Info/identify please?

I was given a Crushcraft (stamped name) 440 stacked vertical dipole. It is 4 elements that have been mounted on an 8 foot boom (vertical). It has the coaxial feeds all set up.
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Thanks

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[Non-text portions of this message have been removed]

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4478. Re: [ham-antennas] Cushcraft 440 stacked dipole - Info/identify please?

Yahoo group: ham-antennas (2008)
Date: 2008-03-22 16:13:17 UTC
From: John P.
Topic: 4417 Message: 4478

Woops!

Misspelled it there but the link provided does not appear to be the antenna. As set up it consists of 4 dipoles, oriented vertically on an 8 foot vertical boom. The boots on the coax connectors say Cushcraft but I can not find any model/ID number on it.

Thanks!

Phil Bader <PBADER@...> wrote:
Well, first, it's Cushcraft, not cRushcraft, so maybe hard to search. Went to their site,searched 440, and vertical. Try here.
http://www.cushcraft.com/Wireless_Product_Details.asp?style_id=6&catid=77&group_id=1726
HTH,
Phil B
Philip Bader
pbader@...
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakelandarc.org/
Currently: Polk County School Board Electronics
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006

----- Original Message -----
From: John P.
To: ham-antennas@yahoogroups.com
Sent: Saturday, March 22, 2008 10:02 AM
Subject: [ham-antennas] Crushcraft 440 stacked dipole - Info/identify please?

I was given a Crushcraft (stamped name) 440 stacked vertical dipole. It is 4 elements that have been mounted on an 8 foot boom (vertical). It has the coaxial feeds all set up.
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Can anyone offer any info please?

Thanks

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[Non-text portions of this message have been removed]

No virus found in this incoming message.
Checked by AVG.
Version: 7.5.519 / Virus Database: 269.21.8/1338 - Release Date: 3/21/2008 5:52 PM

[Non-text portions of this message have been removed]

Never miss a thing. Make Yahoo your homepage.

[Non-text portions of this message have been removed]

4479. Re: [ham-antennas] Cushcraft 440 stacked dipole - Info/identify please?

Yahoo group: ham-antennas (2008)
Date: 2008-03-22 16:15:12 UTC
From: Phil Bader
Topic: 4417 Message: 4479

UHF broadband arrays:
http://www.cushcraft.com/comm/support/pdf/BBARRAYS.PDF
I've seen these on wrecker businesses. 470 MHz business band UHF stuff.
Phil B
Philip Bader
pbader@...
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakelandarc.org/
Currently: Polk County School Board Electronics
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006

----- Original Message -----
From: John P.
To: ham-antennas@yahoogroups.com
Sent: Saturday, March 22, 2008 12:13 PM
Subject: Re: [ham-antennas] Cushcraft 440 stacked dipole - Info/identify please?

Woops!

Misspelled it there but the link provided does not appear to be the antenna. As set up it consists of 4 dipoles, oriented vertically on an 8 foot vertical boom. The boots on the coax connectors say Cushcraft but I can not find any model/ID number on it.

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Currently: Polk County School Board Electronics
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From: John P.
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Sent: Saturday, March 22, 2008 10:02 AM
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Version: 7.5.519 / Virus Database: 269.21.8/1338 - Release Date: 3/21/2008 5:52 PM

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[Non-text portions of this message have been removed]

4480. Re: [ham-antennas] Crushcraft 440 stacked dipole - Info/identify please?

Yahoo group: ham-antennas (2008)
Date: 2008-03-22 16:16:46 UTC
From: John P.
Topic: 4417 Message: 4480

No loops on this one. Just 4 dipoles vertically oriented on a vertical mast. It does have the feedlines molded into each other with one connector at the end/center.

Thanks!

W5CPT <w5cpt@...> wrote:
Is it an 8 foot mast with 4 loops spaced from top to bottom with the feedlines molded into each other with one connector at the end? If so, it is probably a Commercial antenna cut for a commercial band. They show up at hamfests from time to time and not usable on the Ham Bands. You can usually rotate the loops around the mast and vary the pattern of the antenna to favor (or eliminate) one direction. The best way to find out if it is useable is to get an Antenna Analyzer and sweep it to find its' tuned frequency. They are tuned very sharp and as I said probably can not be used on the ham band.

And yes, it is also probably a Cushcraft which make Ham antennas but also builds commercial stuff also.

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Clint - W5CPT

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[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

Never miss a thing. Make Yahoo your homepage.

[Non-text portions of this message have been removed]

4481. Re: [ham-antennas] Cushcraft 440 stacked dipole - Info/identify please?

Yahoo group: ham-antennas (2008)
Date: 2008-03-22 16:18:50 UTC
From: Phil Bader
Topic: 4417 Message: 4481

I goofed- no loops. I agree it must be a business band antenna tho. Will continue search-
Phil B
Philip Bader
pbader@...
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakelandarc.org/
Currently: Polk County School Board Electronics
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006

----- Original Message -----
From: Phil Bader
To: ham-antennas@yahoogroups.com
Sent: Saturday, March 22, 2008 12:15 PM
Subject: Re: [ham-antennas] Cushcraft 440 stacked dipole - Info/identify please?

UHF broadband arrays:
http://www.cushcraft.com/comm/support/pdf/BBARRAYS.PDF
I've seen these on wrecker businesses. 470 MHz business band UHF stuff.
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----- Original Message -----
From: John P.
To: ham-antennas@yahoogroups.com
Sent: Saturday, March 22, 2008 12:13 PM
Subject: Re: [ham-antennas] Cushcraft 440 stacked dipole - Info/identify please?

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----- Original Message -----
From: John P.
To: ham-antennas@yahoogroups.com
Sent: Saturday, March 22, 2008 10:02 AM
Subject: [ham-antennas] Crushcraft 440 stacked dipole - Info/identify please?

I was given a Crushcraft (stamped name) 440 stacked vertical dipole. It is 4 elements that have been mounted on an 8 foot boom (vertical). It has the coaxial feeds all set up.
I am trying to identify this item and have been unable to locate any data at all.

Can anyone offer any info please?

Thanks

Looking for last minute shopping deals? Find them fast with Yahoo! Search.

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Checked by AVG.
Version: 7.5.519 / Virus Database: 269.21.8/1338 - Release Date: 3/21/2008 5:52 PM

[Non-text portions of this message have been removed]

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4482. Re: [ham-antennas] Cushcraft 440 stacked dipole - Info/identify please?

Yahoo group: ham-antennas (2008)
Date: 2008-03-22 16:27:43 UTC
From: John P.
Topic: 4417 Message: 4482

That was closer but not quite.

I can also tell you that each of the dipoles has a gama match. Maybe that helps.

Thanks for your efforts!!

73

Phil Bader <PBADER@...> wrote:
I goofed- no loops. I agree it must be a business band antenna tho. Will continue search-
Phil B
Philip Bader
pbader@...
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakelandarc.org/
Currently: Polk County School Board Electronics
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006

----- Original Message -----
From: Phil Bader
To: ham-antennas@yahoogroups.com
Sent: Saturday, March 22, 2008 12:15 PM
Subject: Re: [ham-antennas] Cushcraft 440 stacked dipole - Info/identify please?

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From: John P.
To: ham-antennas@yahoogroups.com
Sent: Saturday, March 22, 2008 12:13 PM
Subject: Re: [ham-antennas] Cushcraft 440 stacked dipole - Info/identify please?

Woops!

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coax connectors say Cushcraft but I can not find any model/ID number on it.

Thanks!

Phil Bader <PBADER@...> wrote:
Well, first, it's Cushcraft, not cRushcraft, so maybe hard to search. Went to their site,searched 440, and vertical. Try here.
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HTH,
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4483. Re: [ham-antennas] !!!Cushcraft 440 stacked dipole - Info/identify please?

Yahoo group: ham-antennas (2008)
Date: 2008-03-22 16:49:34 UTC
From: John P.
Topic: 4417 Message: 4483

I think I found it!

Here are 2 related links. The picture in the PDF looks exactly like the 4 dipole array that I have here!

http://www.eham.net/forums/TowerTalk/1322

http://www.cushcraft.com/support/pdf/951282.pdf

It seems that it is a Ham antenna and not a commercial one

Comments welcome!!

Phil Bader <PBADER@...> wrote:
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Phil B
Philip Bader
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4484. Re: [ham-antennas] !!!Cushcraft 440 stacked dipole - Info/identify please?

Yahoo group: ham-antennas (2008)
Date: 2008-03-22 17:19:27 UTC
From: Phil Bader
Topic: 4417 Message: 4484

OK, now these are on the same principle as the loops going up the sides as I sent you.My example was simply folded dipoles. Common antenna type used in the business band 470MHz service. They had a directional design. Position those dipoles around the pole. When we submitted our request for a 470 business band channel the FCC researched our areas taking into account other nearby station licencees, terain,etc. Some antennas had to have directional abilities to avoid interference to other services,etc., as wea the actual freq. given. Good hunting!
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Philip Bader
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----- Original Message -----
From: John P.
To: ham-antennas@yahoogroups.com
Sent: Saturday, March 22, 2008 12:49 PM
Subject: Re: [ham-antennas] !!!Cushcraft 440 stacked dipole - Info/identify please?

I think I found it!

Here are 2 related links. The picture in the PDF looks exactly like the 4 dipole array that I have here!

http://www.eham.net/forums/TowerTalk/1322

http://www.cushcraft.com/support/pdf/951282.pdf

It seems that it is a Ham antenna and not a commercial one

Comments welcome!!

Phil Bader <PBADER@...> wrote:
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4485. Re: [ham-antennas] !!!Cushcraft 440 stacked dipole - Info/identify please?

Yahoo group: ham-antennas (2008)
Date: 2008-03-22 17:39:54 UTC
From: John P.
Topic: 4417 Message: 4485

Now that I have the info on it I will either try to put it on eBay (probably without the mast), or take the complete assembly to the local swap meet in a couple of months. I will research further though, to see what a fair price range would be.

Who knows what may come of it!

73's

Phil Bader <PBADER@...> wrote:
OK, now these are on the same principle as the loops going up the sides as I sent you.My example was simply folded dipoles. Common antenna type used in the business band 470MHz service. They had a directional design. Position those dipoles around the pole. When we submitted our request for a 470 business band channel the FCC researched our areas taking into account other nearby station licencees, terain,etc. Some antennas had to have directional abilities to avoid interference to other services,etc., as wea the actual freq. given. Good hunting!
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Sent: Saturday, March 22, 2008 12:49 PM
Subject: Re: [ham-antennas] !!!Cushcraft 440 stacked dipole - Info/identify please?

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Sent: Saturday, March 22, 2008 12:15 PM
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4486. Engineering Calculator Tool Online / FREE RF & Microwave Magazine Subscriptions

Yahoo group: ham-antennas (2008)
Date: 2008-03-25 09:56:17 UTC
From: risabhmodi
Topic: 4486 Message: 4486

check this website www.calculatoredge.com an online line website which has several engineering equations and formula calculator tool. I found this very useful tool.

You can also subscribe FREE Technical / Engineering magazines, provided you qualify.

Tom

4487. Re: Engineering Calculator Tool Online / FREE RF & Microwave Magazine Subscriptions

Yahoo group: ham-antennas (2008)
Date: 2008-03-25 11:04:09 UTC
From: wv4i
Topic: 4486 Message: 4487

Great site. Thanks for post. Link, WV4I....

--- In ham-antennas@yahoogroups.com, "risabhmodi" <risabhmodi@...>
wrote:
>
> check this website www.calculatoredge.com an online line website which
> has several engineering equations and formula calculator tool. I
> found this very useful tool.
>
> You can also subscribe FREE Technical / Engineering magazines,
> provided you qualify.
>
> Tom
>

4488. effective Ground Radial System

Yahoo group: ham-antennas (2008)
Date: 2008-03-26 16:19:13 UTC
From: Steve Hunt
Topic: 4488 Message: 4488

Hi all,

I am new to the group, new to HF and new to building Antenna's.

Wow... alot of NEW's just call me Newbee

I need to build a Radial System for my newly aquired Zero Five 43' Vertical.

My Back Yard is 75' wide and 85' long and I will try to cover as much ground as I can. I have read so many Articles on effective Radial's that my Head is spinning.

I want to lay the Radials (I will try to cut 120 Radials) on top of the grass and use 5" SOD-Staples or just buy some 10 AWG solid copper and make my own staples... So I can staple the Radials down and let the grass grow over the Radials.

My big Q is: Is it important to use Nr 14 AWG solid copper wire? or can I use 16 or even 18 gauge? possibly even stranded?

I am having a hard time finding 14 AWG solid copper cheap!!

I really can't spend 300$ just for the Radial System.

Can someone offer a website and order nr for the wire I would need?

And last.. maybe some advise?

I do have some obsticles in the Yard... and I know... they really do not matter as long as I cover as much ground as possible. The Antenna is 43' Tall and I will cut the Radials at mostly 45'... about 30 Radials will only be 20' but to one side I can cut about 20 Radials to 100' (into the neighbors yard). I live in NH and I guess what I have been told the ground-conductivity is "Average".

73 to all
Steve, W1CDX

4489. Re: [ham-antennas] effective Ground Radial System

Yahoo group: ham-antennas (2008)
Date: 2008-03-26 16:39:31 UTC
From: N0ATH
Topic: 4488 Message: 4489

Hello Steve - I think you have pretty much already engineered about everything - Sounds like a pretty decent system and as you say, you are already covering about every sq. inch that is available to you. With the price of copper being what it is, You would possibly be ahead by buying your copper locally as to avoid shipping cost. I know there will be a few with the impression that 14 would be better than 16 or 18 but with the amount of radials you are planning I doubt you could ever tell the difference other than with a fancy piece of software. I seriously doubt the difference would ever be seen or heard on your signal. I think you have it worked out pretty well for a Newbie or an Oldie either one. Will be good to hear your big signal and see how it goes for you ---- 73 de N?ATH / Dave

----- Original Message -----
From: "Steve Hunt" <HuntUSA@...>
To: <ham-antennas@yahoogroups.com>
Sent: Wednesday, March 26, 2008 11:19 AM
Subject: [ham-antennas] effective Ground Radial System

Hi all,

I am new to the group, new to HF and new to building Antenna's.

Wow... alot of NEW's just call me Newbee

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My Back Yard is 75' wide and 85' long and I will try to cover as much ground as I can. I have read so many Articles on effective Radial's that my Head is spinning.

I want to lay the Radials (I will try to cut 120 Radials) on top of the grass and use 5" SOD-Staples or just buy some 10 AWG solid copper and make my own staples... So I can staple the Radials down and let the grass grow over the Radials.

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73 to all
Steve, W1CDX

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 974 members (as of 11/07/07,
and attachments are NOT permitted.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

4490. Re: [ham-antennas] effective Ground Radial System

Yahoo group: ham-antennas (2008)
Date: 2008-03-26 17:31:42 UTC
From: Arthur Nienhouse
Topic: 4488 Message: 4490

Hi Steve
I cut up 1000 ft of #14 house wire into 66ft lengths then wound
them to the spool hooking the ends to gather then installed them
out and around on a home brew spool caddy using 3/32 welding
rod or clothes hangers cut up and bent over length about 6" for
staples if radial length is a problem bend them around.

But what really did the trick was the Aluminum Gutter Guard
stapled to the ground same as the wire. The ends were captured
to 6 ground stakes that had the top end drilled and tapped 1/4 x 20
each 2 ft from each tower leg in a circle around the Hy Tower legs
I used stainless hardware threaded rod, nuts and bolts and 3" fender
washers with 1/4" center hole the sandwich was buttered with
Noalox from the electrical supply house 8 years ago. It still is
performing well the gutter guard caused the feed impedance to
go low requiring a step up coil across the feed to get to 50 ohms.

You can see the Hy Tower rebuild and the motorized air core
inductor that puts the antenna on 160 with very good performance,
at ka9zap.com
The 40 meter stub had to be made of much stiffer tubing 1" to stop
it from flexing in the wind which would change the swr tuning on 160.
The grass grew and all the wire and gutter guard can not be seen.
The yard is very small 50 ft on a side with the antenna off center.

Regards
Art
ka9zap

4491. Re: effective Ground Radial System

Yahoo group: ham-antennas (2008)
Date: 2008-03-27 01:03:38 UTC
From: ke4vyn
Topic: 4488 Message: 4491

The size of the wire does not matter as it not carrying 'current' in
the traditional sense.

You may try salvage yards, as the have piles of with that the
will 'back-sell' you at slightly more than scrap prices.

As you dont care about looks or kinks, ect. your gonna bury it
remember.

100 radials is about the ARRL feasible limit, I think.

Lee
KE4VYN

--- In ham-antennas@yahoogroups.com, "Steve Hunt" <HuntUSA@...> wrote:
>
> Hi all,
>
> I am new to the group, new to HF and new to building Antenna's.
>
> Wow... alot of NEW's just call me Newbee
>
> I need to build a Radial System for my newly aquired Zero Five 43'
> Vertical.
>
> My Back Yard is 75' wide and 85' long and I will try to cover as
much
> ground as I can. I have read so many Articles on effective Radial's
> that my Head is spinning.
>
> I want to lay the Radials (I will try to cut 120 Radials) on top of
the
> grass and use 5" SOD-Staples or just buy some 10 AWG solid copper
and
> make my own staples... So I can staple the Radials down and let the
> grass grow over the Radials.
>
> My big Q is: Is it important to use Nr 14 AWG solid copper wire? or
can
> I use 16 or even 18 gauge? possibly even stranded?
>
> I am having a hard time finding 14 AWG solid copper cheap!!
>
> I really can't spend 300$ just for the Radial System.
>
> Can someone offer a website and order nr for the wire I would need?

>
> And last.. maybe some advise?
>
> I do have some obsticles in the Yard... and I know... they really
do
> not matter as long as I cover as much ground as possible. The
Antenna
> is 43' Tall and I will cut the Radials at mostly 45'... about 30
> Radials will only be 20' but to one side I can cut about 20 Radials
to
> 100' (into the neighbors yard). I live in NH and I guess what I
have
> been told the ground-conductivity is "Average".
>
> 73 to all
> Steve, W1CDX
>

4492. Homebrew QUAD

Yahoo group: ham-antennas (2008)
Date: 2008-03-27 05:10:59 UTC
From: Saailin
Topic: 4492 Message: 4492

Dear All,

Namaste!

I would like to homebrew a QUAD antenna for 2m at least 4 element. I have copper pipes lying with me can any one share this info with me.

73,
Sai.....De VU2SGW
www.vu2sgw.blogspot.com

4493. Re: effective Ground Radial System

Yahoo group: ham-antennas (2008)
Date: 2008-03-27 14:23:34 UTC
From: Dave
Topic: 4488 Message: 4493

I bought a half mile of aluminum electric fence wire from my local agricultural supply store for $35 last year.

But...if you can get the base of the vertical off the ground by 12-15 feet, you then only need 2-4 tuned radials per band. I put four tuned radials under mine, for each of 80/40/20 meters; that seems to do it for all bands. If I can hear DX with this antenna, I can work it. This was not true when it was ground-mounted with lots of radials.

Go to the ARRL website and google "W2FMI" and read his articles on elevated radial fields from the 1980s.

A simple and very effective vertical can be "planted" using one 12 foot 4X4 post to hold the vertical in the air, and two more to hold the ends of tuned radials. If the radials are high enough, not only is the whole system de-coupled from the lossy earth, but family, lawnmowers and tractors can safely traverl under them.

Dave W8NF

--- In ham-antennas@yahoogroups.com, "ke4vyn" <Pistolero_onion@...> wrote:
>
> The size of the wire does not matter as it not carrying 'current' in
> the traditional sense.
>
> You may try salvage yards, as the have piles of with that the
> will 'back-sell' you at slightly more than scrap prices.
>
> As you dont care about looks or kinks, ect. your gonna bury it
> remember.
>
> 100 radials is about the ARRL feasible limit, I think.
>
> Lee
> KE4VYN
>
>
> --- In ham-antennas@yahoogroups.com, "Steve Hunt" <HuntUSA@> wrote:
> >
> > Hi all,
> >
> > I am new to the group, new to HF and new to building Antenna's.
> >
> > Wow... alot of NEW's just call me Newbee
> >
> > I need to build a Radial System for my newly aquired Zero Five 43'

> > Vertical.
> >
> > My Back Yard is 75' wide and 85' long and I will try to cover as
> much
> > ground as I can. I have read so many Articles on effective Radial's
> > that my Head is spinning.
> >
> > I want to lay the Radials (I will try to cut 120 Radials) on top of
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> > grass and use 5" SOD-Staples or just buy some 10 AWG solid copper
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> > make my own staples... So I can staple the Radials down and let the
> > grass grow over the Radials.
> >
> > My big Q is: Is it important to use Nr 14 AWG solid copper wire? or
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> >
> > I am having a hard time finding 14 AWG solid copper cheap!!
> >
> > I really can't spend 300$ just for the Radial System.
> >
> > Can someone offer a website and order nr for the wire I would need?
> >
> > And last.. maybe some advise?
> >
> > I do have some obsticles in the Yard... and I know... they really
> do
> > not matter as long as I cover as much ground as possible. The
> Antenna
> > is 43' Tall and I will cut the Radials at mostly 45'... about 30
> > Radials will only be 20' but to one side I can cut about 20 Radials
> to
> > 100' (into the neighbors yard). I live in NH and I guess what I
> have
> > been told the ground-conductivity is "Average".
> >
> > 73 to all
> > Steve, W1CDX
> >
>

4494. Re: [ham-antennas] Re: effective Ground Radial System

Yahoo group: ham-antennas (2008)
Date: 2008-03-27 18:44:44 UTC
From: Wayne
Topic: 4488 Message: 4494

2640 feet of aluminum wire? What gauge was it?
Most of the aluminum wire I have dealt with was 12 or 14 solid, and was
far more costly than that. We used to buy it in boxes that were 50 foot
coils, for antenna ground leads when we installed TV antennas. But those
were maybe 500 feet per box. Don't recall exactly now.
And aluminum has gone up a lot since back then.
YMMV

Wayne WA2YNE
Imperial, Tejas

On Thu, 27 Mar 2008 09:23:34 -0500, Dave <emailw8nf@...> wrote:

> I bought a half mile of aluminum electric fence wire from my local
> agricultural supply store for $35 last year.
>
> But...if you can get the base of the vertical off the ground by 12-15
> feet, you then only need 2-4 tuned radials per band. I put four tuned
> radials under mine, for each of 80/40/20 meters; that seems to do it
> for all bands. If I can hear DX with this antenna, I can work it.
> This was not true when it was ground-mounted with lots of radials.
>
> Go to the ARRL website and google "W2FMI" and read his articles on
> elevated radial fields from the 1980s.
>
> A simple and very effective vertical can be "planted" using one 12
> foot 4X4 post to hold the vertical in the air, and two more to hold
> the ends of tuned radials. If the radials are high enough, not only
> is the whole system de-coupled from the lossy earth, but family,
> lawnmowers and tractors can safely traverl under them.
>
> Dave W8NF
>
> --- In ham-antennas@yahoogroups.com, "ke4vyn" <Pistolero_onion@...>
> wrote:
>>
>> The size of the wire does not matter as it not carrying 'current' in
>> the traditional sense.
>>
>> You may try salvage yards, as the have piles of with that the
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>>
>> 100 radials is about the ARRL feasible limit, I think.

```
>>
>> Lee
>> KE4VYN
--
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```

4495. trees

Yahoo group: ham-antennas (2008)
Date: 2008-03-27 20:00:16 UTC
From: Bill Coulson
Topic: 4495 Message: 4495

For those of you who have not read..... any thoughts or opinions?

http://www.rexresearch.com/squier/squier.htm

and

http://w5jgv.com/tree_antenna/index.htm

Bill Coulson
Colville, WA

4496. RE: [ham-antennas] trees

Yahoo group: ham-antennas (2008)
Date: 2008-03-27 20:09:22 UTC
From: Kirk Morrison
Topic: 4495 Message: 4496

They will detune an antenna which means that they should work as an antenna but you would need a really wild match box to use one, it seems to my mind, but then I have loaded up string dipped in saltwater and it worked until it dried out. I think it is more amazing what wont work.

Kirk KA4PXK

> To: ham-antennas@yahoogroups.com
> From: wcoulson@...
> Date: Thu, 27 Mar 2008 13:00:16 -0700
> Subject: [ham-antennas] trees
>
>
> For those of you who have not read..... any thoughts or opinions?
>
> http://www.rexresearch.com/squier/squier.htm
>
> and
>
> http://w5jgv.com/tree_antenna/index.htm
>
> Bill Coulson
> Colville, WA
>
>

Watch “Cause Effect,” a show about real people making a real difference. Learn more.
http://im.live.com/Messenger/IM/MTV/?source=text_watchcause

4497. Re: effective Ground Radial System

Yahoo group: ham-antennas (2008)
Date: 2008-03-27 21:15:39 UTC
From: Dave
Topic: 4488 Message: 4497

--- In ham-antennas@yahoogroups.com, Wayne <wa2yne@...> wrote:
>
> 2640 feet of aluminum wire? What gauge was it?
> Most of the aluminum wire I have dealt with was 12 or 14 solid,
and was
> far more costly than that. We used to buy it in boxes that were 50
foot
> coils, for antenna ground leads when we installed TV antennas. But
those
> were maybe 500 feet per box. Don't recall exactly now.
> And aluminum has gone up a lot since back then.
> YMMV
>
> Wayne WA2YNE
> Imperial, Tejas

The antenna ground lead aluminum was typically 8 or 10 gauge.

Electric fence wire is available as 17 or 14 gauge. I used 17 gauge.
Aluminum can support itself without sag for a longer distance than
copper because of its lower weight...that's why the power drop to your
house is aluminum, not copper.

Dave W8NF

4498. Re: [ham-antennas] Re: effective Ground Radial System

Yahoo group: ham-antennas (2008)
Date: 2008-03-27 21:26:31 UTC
From: danny garvin
Topic: 4488 Message: 4498

That is the same price that I saw for a 1/2 mile of 14g galvinized steel wire at Rual King are you sure that not what you bought?

----- Original Message ----
From: Wayne <wa2yne@...>
To: ham-antennas@yahoogroups.com
Sent: Thursday, March 27, 2008 1:44:44 PM
Subject: Re: [ham-antennas] Re: effective Ground Radial System

2640 feet of aluminum wire? What gauge was it?
Most of the aluminum wire I have dealt with was 12 or 14 solid, and was
far more costly than that. We used to buy it in boxes that were 50 foot
coils, for antenna ground leads when we installed TV antennas. But those
were maybe 500 feet per box. Don't recall exactly now.
And aluminum has gone up a lot since back then.
YMMV

Wayne WA2YNE
Imperial, Tejas

On Thu, 27 Mar 2008 09:23:34 -0500, Dave <emailw8nf@...> wrote:

> I bought a half mile of aluminum electric fence wire from my local
> agricultural supply store for $35 last year.
>
> But...if you can get the base of the vertical off the ground by 12-15
> feet, you then only need 2-4 tuned radials per band. I put four tuned
> radials under mine, for each of 80/40/20 meters; that seems to do it
> for all bands. If I can hear DX with this antenna, I can work it.
> This was not true when it was ground-mounted with lots of radials.
>
> Go to the ARRL website and google "W2FMI" and read his articles on
> elevated radial fields from the 1980s.
>
> A simple and very effective vertical can be "planted" using one 12
> foot 4X4 post to hold the vertical in the air, and two more to hold
> the ends of tuned radials. If the radials are high enough, not only
> is the whole system de-coupled from the lossy earth, but family,
> lawnmowers and tractors can safely traverl under them.
>
> Dave W8NF
>
> --- In ham-antennas@yahoogroups.com, "ke4vyn" <Pistolero_onion@...>
> wrote:
>>
>> The size of the wire does not matter as it not carrying 'current' in

>> the traditional sense.
>>
>> You may try salvage yards, as the have piles of with that the
>> will 'back-sell' you at slightly more than scrap prices.
>>
>> As you dont care about looks or kinks, ect. your gonna bury it
>> remember.
>>
>> 100 radials is about the ARRL feasible limit, I think.
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>> Lee
>> KE4VYN
--
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Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

[Non-text portions of this message have been removed]

4499. 2M ground-plane

Yahoo group: ham-antennas (2008)
Date: 2008-03-27 23:11:43 UTC
From: Dick Williams
Topic: 4499 Message: 4499

I am assembling parts for a 2M ground-plane antenna and I would like to get recommendations for what type of wire I should use for the radials and the vertical.

73

Dick Williams KB3OMJ

4500. Re: [ham-antennas] 2M ground-plane

Yahoo group: ham-antennas (2008)
Date: 2008-03-28 01:42:25 UTC
From: Wayne
Topic: 4499 Message: 4500

It is easier to build a J Pole, which will give good results.
I have been using a dual band J Pole for several years now, in 3 different locations.
Aluminum rod and tubing along with a heavy aluminum angle are the basic pars I used, along with a U Bolt clamp, and 3/8" by 24 nuts and washers, plus an adapter from Radio Shack for the feed.
I also built one for the 222 to 2225 MHz band first.

Many make theirs from Copper pipe and fittings, but I have seen too many problems with those, including using coax cable with an open end that will allow water to get in. the type I use allows me to use any good cable with PL259 connectors, and tape it over to help keep water and moisture out.

As far as I know, it has better gain compared to a ground plane, is broader banded and very durable when well constructed.
YMMV

Wayne WA2YNE
Imperial, Tejas

On Thu, 27 Mar 2008 18:11:43 -0500, Dick Williams <hermit@...>
wrote:

> I am assembling parts for a 2M ground-plane antenna and I would like
> to get recommendations for what type of wire I should use for the
> radials and the vertical.
>
> 73
>
> Dick Williams KB3OMJ
>

--
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4501. Re: [ham-antennas] 2M ground-plane

Yahoo group: ham-antennas (2008)
Date: 2008-03-28 03:43:14 UTC
From: richard erickson
Topic: 4499 Message: 4501

Aluminum rod and tubing along with a heavy
aluminum angle are the basic pars I used, along with
a U Bolt clamp, and 3/8" by 24 nuts and washers, plus
an adapter from Radio Shack for the feed.
****
Do you have any pictures of what this looks like?

Richard
WB6LUJ

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http://mobile.yahoo.com/;_ylt=Ahu06i62sR8HDtDypao8Wcj9tAcJ

4502. Re: effective Ground Radial System

Yahoo group: ham-antennas (2008)
Date: 2008-03-28 04:39:17 UTC
From: Dave
Topic: 4488 Message: 4502

You made me go look at the receipt. I was in error in a couple ways. First off, yes it's aluminum...I knew I'd got that part right. But...the spool is 1/4 mile, not 1/2, and it's 14 gauge, not 17. Price paid was $36.50 last year from Pacific Harvest, an ag supply store here in Oregon. I'm sure it's gone up since then, as all metals have risen.

Dave W8NF

--- In ham-antennas@yahoogroups.com, danny garvin <grailknight_2@...> wrote:
>
> That is the same price that I saw for a 1/2 mile of 14g galvinized steel wire at Rual King are you sure that not what you bought?
>
>
> ----- Original Message ----
> From: Wayne <wa2yne@...>
> To: ham-antennas@yahoogroups.com
> Sent: Thursday, March 27, 2008 1:44:44 PM
> Subject: Re: [ham-antennas] Re: effective Ground Radial System
>
> 2640 feet of aluminum wire? What gauge was it?
> Most of the aluminum wire I have dealt with was 12 or 14 solid, and was
> far more costly than that. We used to buy it in boxes that were 50 foot
> coils, for antenna ground leads when we installed TV antennas. But those
> were maybe 500 feet per box. Don't recall exactly now.
> And aluminum has gone up a lot since back then.
> YMMV
>
> Wayne WA2YNE
> Imperial, Tejas
>
> On Thu, 27 Mar 2008 09:23:34 -0500, Dave <emailw8nf@...> wrote:
>
> > I bought a half mile of aluminum electric fence wire from my local
> > agricultural supply store for $35 last year.
> >
> > But...if you can get the base of the vertical off the ground by 12-15
> > feet, you then only need 2-4 tuned radials per band. I put four tuned

> > radials under mine, for each of 80/40/20 meters; that seems to do
it
> > for all bands. If I can hear DX with this antenna, I can work it.
> > This was not true when it was ground-mounted with lots of radials.
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> > Go to the ARRL website and google "W2FMI" and read his articles on
> > elevated radial fields from the 1980s.
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> > A simple and very effective vertical can be "planted" using one 12
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> > is the whole system de-coupled from the lossy earth, but family,
> > lawnmowers and tractors can safely traverl under them.
> >
> > Dave W8NF
> >
> > --- In ham-antennas@yahoogroups.com, "ke4vyn" <Pistolero_onion@>
> > wrote:
> >>
> >> The size of the wire does not matter as it not carrying
'current' in
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> >> You may try salvage yards, as the have piles of with that the
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> ----------
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NOT permitted.
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> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
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>

>
>
> [Non-text portions of this message have been removed]
>

4503. Re: [ham-antennas] Re: effective Ground Radial System

Yahoo group: ham-antennas (2008)
Date: 2008-03-28 05:00:13 UTC
From: danny garvin
Topic: 4488 Message: 4503

That sounds more like it. I was actualy looking for aluminum wire when I stumbled across the spool of #14 galvinized for $34.95. But what I was looking for was more on the order of the aluminum close line wire that you could buy years ago, I think that stuff was on the order of #6 or #8 ga. I remember some projects years ago where they used that for the elements in two meter and 440 beams. Also in small VHF and UHF quads. But I haven been able to find any yet.
Danny
WB9RIM

----- Original Message ----
From: Dave <emailw8nf@...>
To: ham-antennas@yahoogroups.com
Sent: Thursday, March 27, 2008 11:39:17 PM
Subject: [ham-antennas] Re: effective Ground Radial System

You made me go look at the receipt. I was in error in a couple
ways. First off, yes it's aluminum...I knew I'd got that part
right. But...the spool is 1/4 mile, not 1/2, and it's 14 gauge, not
17. Price paid was $36.50 last year from Pacific Harvest, an ag
supply store here in Oregon. I'm sure it's gone up since then, as
all metals have risen.

Dave W8NF

--- In ham-antennas@ yahoogroups. com, danny garvin <grailknight_ 2@...>
wrote:
>
> That is the same price that I saw for a 1/2 mile of 14g galvinized
steel wire at Rual King are you sure that not what you bought?
>
>
> ----- Original Message ----
> From: Wayne <wa2yne@...>
> To: ham-antennas@ yahoogroups. com
> Sent: Thursday, March 27, 2008 1:44:44 PM
> Subject: Re: [ham-antennas] Re: effective Ground Radial System
>
> 2640 feet of aluminum wire? What gauge was it?
> Most of the aluminum wire I have dealt with was 12 or 14 solid,
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> far more costly than that. We used to buy it in boxes that were 50
foot
> coils, for antenna ground leads when we installed TV antennas. But
those
> were maybe 500 feet per box. Don't recall exactly now.
> And aluminum has gone up a lot since back then.

> YMMV
>
> Wayne WA2YNE
> Imperial, Tejas
>
> On Thu, 27 Mar 2008 09:23:34 -0500, Dave <emailw8nf@. ..> wrote:
>
> > I bought a half mile of aluminum electric fence wire from my local
> > agricultural supply store for $35 last year.
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> > But...if you can get the base of the vertical off the ground by
12-15
> > feet, you then only need 2-4 tuned radials per band. I put four
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> > This was not true when it was ground-mounted with lots of radials.
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> > Go to the ARRL website and google "W2FMI" and read his articles on
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> >
> > Dave W8NF
> >
> > --- In ham-antennas@ yahoogroups. com, "ke4vyn" <Pistolero_onion@ >
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> >>
> >> Lee
> >> KE4VYN
> --

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mail/
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NOT permitted.
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> Unsubscribe: ham-antennas- unsubscribe@ yahoogroups. com
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> Yahoo! Groups Links
>
>
>
> [Non-text portions of this message have been removed]
>

[Non-text portions of this message have been removed]

4504. Re: [ham-antennas] Re: Quad Questions

Yahoo group: ham-antennas (2008)
Date: 2008-03-28 10:36:36 UTC
From: Dave Oldridge
Topic: 4453 Message: 4504

On 20 Mar 2008 at 6:03, Keith wrote:

> My first question is about a matching system for the quad. I've
> ruled out the available manufactured Baluns due to their
> physical size. Regardless of the way they are orientated on the
> spreader arm they will put the driven loop out of alignment. Two
> points of the driven loop will be misaligned with the rest of
> the loops making the driven loop larger than the reflector on
> one side. I don't want it being confused as to which direction
> it should be directional.

You might consider mounting the quad so that the spreaders are horizontal and vertical rather than at 45 degrees. That way, you could strap a 1:1 balun right to the spreader. You don't need a huge one for 12w pep on 11M and you can often just connect the coax direct. For horizontal polarization. feed it at the bottom, though for most 11M work, you really want vertical polarization and should feed it at the side. Even if there is some distortion due to spreader bending, as long as the area of the driven element stays about the same, the design will work. Make the driven element's perimeter about an inch shy of 37 feet and the reflector about 38 feet 9.5 inches. The only real drawback to this diamond orientation is that the turning radius is a bit bigger.

You can, to some extent, tune the impedance in a 3+ element design by adjusting the spacing of the element immediately in front of the driven element. A good way to tune is to upend it on the ground pointing it straight up and make your adjustments there with a begged, bought or borrowed analyzer. Even an SWR bridge near the feedpoint can tell you a lot. It's quite feasible to make a quad that has 50 ohm resistive impedance at the feedpoint, thus making matching networks unnecessary. Might be a tad harder to do it with switchable polarity, though.

Vertical is probably best for most local work. Horizontal will have an edge over it for long terrestrial paths or skip. I did have a good location back when I played with 11M and I could work 100 miles quite easily with 12w PEP and just a half-wave vertical antenna.

--

Dave Oldridge
ICQ 1800667
VA7CZ

4505. Re: [ham-antennas] Link Antenna Tuner

Yahoo group: ham-antennas (2008)
Date: 2008-03-28 10:36:39 UTC
From: Dave Oldridge
Topic: 4447 Message: 4505

On 17 Mar 2008 at 18:24, aa5wg wrote:

> Hi everyone:
> I read a center fed multiband dipole, with open ladder line,
> should
> have its "transmission line" cut at even or odd 1/4 wave lengths
> for a given frequency. The starting point for measuring the 1/4
> wavelengths sections starts at the antenna input and extends all
> the
> way to the link antenna coupler.
>
> Another book said the even or odd 1/4 wavelength measurments
> starts at
> the end of the antenna and extends down the transmision line to
> the
> link antenna coupler.
>
> Which of the above starting points for measuring even or odd 1/4
> wavelength lengths is correct (antenna input or at the end of
> the
> antenna)?

Any length that produces a complex impedance that your tuner can
efficiently match is OK. If the antenna is reasonably effective,
this usually means that only a few lengths are actually awkward.

--

Dave Oldridge
ICQ 1800667
VA7CZ

4506. Re: [ham-antennas] Dipole

Yahoo group: ham-antennas (2008)
Date: 2008-03-28 10:36:41 UTC
From: Dave Oldridge
Topic: 4468 Message: 4506

On 21 Mar 2008 at 15:45, Rakesh Kapoor wrote:

> I made a dipole on 20m and fed it directly with RG58U and SWR is
> I:1.5
> on 14.150 BUT BUT the length of the dipole each side, after
> trimming,
> comes to 14feet instead of 16.9, what could be wrong??? why SWR
> is low
> even when the length of each side of dipole is not as per
> formula,
> that is 16.9 feet ??????

Your dipole is close to the ground or is capacity-coupled to
whatever is supporting it?

--

Dave Oldridge
ICQ 1800667
VA7CZ

4507. Re: [ham-antennas] Link Antenna Tuner

Yahoo group: ham-antennas (2008)
Date: 2008-03-28 14:40:31 UTC
From: Chuck Pool
Topic: 4447 Message: 4507

Dave - VA7CZ:
Thank you.
Chuck - AA5WG

Dave Oldridge <doldridg@...> wrote:
On 17 Mar 2008 at 18:24, aa5wg wrote:

> Hi everyone:
> I read a center fed multiband dipole, with open ladder line,
> should
> have its "transmission line" cut at even or odd 1/4 wave lengths
> for a given frequency. The starting point for measuring the 1/4
> wavelengths sections starts at the antenna input and extends all
> the
> way to the link antenna coupler.
>
> Another book said the even or odd 1/4 wavelength measurments
> starts at
> the end of the antenna and extends down the transmision line to
> the
> link antenna coupler.
>
> Which of the above starting points for measuring even or odd 1/4
> wavelength lengths is correct (antenna input or at the end of
> the
> antenna)?

Any length that produces a complex impedance that your tuner can
efficiently match is OK. If the antenna is reasonably effective,
this usually means that only a few lengths are actually awkward.

--

Dave Oldridge
ICQ 1800667
VA7CZ

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[Non-text portions of this message have been removed]

4508. Re: effective Ground Radial System

Yahoo group: ham-antennas (2008)
Date: 2008-03-28 17:17:12 UTC
From: Dave
Topic: 4488 Message: 4508

--- In ham-antennas@yahoogroups.com, danny garvin <grailknight_2@...>
wrote:
>
> That sounds more like it. I was actualy looking for aluminum wire
when I stumbled across the spool of #14 galvinized for $34.95. But
what I was looking for was more on the order of the aluminum close
line wire that you could buy years ago, I think that stuff was on the
order of #6 or #8 ga. I remember some projects years ago where they
used that for the elements in two meter and 440 beams. Also in small
VHF and UHF quads. But I haven been able to find any yet.
> Danny
> WB9RIM

Well, I just did a Google search for "aluminum clothesline wire" and
found a number of mail-order sources for it. It appears that 9-gauge
"blue coated" aluminum clothesline wire is offered by the Hillman
Company. This is a major supplier of fasteners and other home
handyman hardware to stores like Home Depot. Perhaps a Big Box
hardware store is a place to check for it. Typical online prices
appear to be $7 for a 50 foot spool, and when you order multiple
spools, they're all connected together, up to 12 spools.

I made my first two meter beam out of large-gauge aluminum clothesline
wire...but it was not 'coated'.

Dave W8NF

4509. Re: [ham-antennas] 2M ground-plane

Yahoo group: ham-antennas (2008)
Date: 2008-03-28 17:27:02 UTC
From: Wayne
Topic: 4499 Message: 4509

I don't have actual pictures of mine available right now, as they are on another computer.
Go to : <http://www.arrowantennas.com/> and look at their J Poles.
Mine look slightly different being as I used both rod and tubing for parts of mine.
The one I made for the 222-225 MHz band is actually adjustable, as I used a small section of tubing on the tops of the elements. Plus I had to splice two rods togeher for my dual band on the longest element.
Eventually I will get all of my pictures consolidated and put them on my web site.
This type of J Pole when built right is very solid, and will withstand rather high winds.
One of the difficult parts is threading one end of the rods for 3/8" by 24 thread. I managed to get mine slightly off on a couple of the elements.
Mostly basic tools required, and a 3/8 by 24 die and holder for the threading.
Beware the cheap tap and die sets. Some are made to very poor specs. I wish I still had the set that vanished back in the mid 70's.
I threaded the holes in the angle, except for the one for the driven element, and by using nuts and washers on both sides of the angle, was able to tighten adequately that they will not come apart. I also used a tad on NoAlox where the pieces join to other parts. Especially on the threads. I used mainly stainless steel nuts. Aluminum nuts and washers would be okay, but harder to locate.
The aluminum angle needs to be heavy, not the thin cheaper stuff. I used one chunk cut into two for my J Poles. They can be built for virtually any band, but as you go down in frequency, the elements become larger. A version for six meter would have the taller element at almost 14 feet, and the shorter element about 4.6 feet. Not exact, as I rounded things off a bit there.
For two meters and up you are looking at under 5 feet tall for the antenna.
YMMV

Wayne WA2YNE

On Thu, 27 Mar 2008 22:43:14 -0500, richard erickson <rgus63@...>
wrote:

> Aluminum rod and tubing along with a heavy
> aluminum angle are the basic pars I used, along with
> a U Bolt clamp, and 3/8" by 24 nuts and washers, plus
> an adapter from Radio Shack for the feed.
> ********
> Do you have any pictures of what this looks like?
>

> Richard
> WB6LUJ
>
>
> _____
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> know-it-all with Yahoo! Mobile. Try it now.
> http://mobile.yahoo.com/;_ylt=Ahu06i62sR8HDtDypao8Wcj9tAcJ

--
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4510. Re: [ham-antennas] Re: effective Ground Radial System

Yahoo group: ham-antennas (2008)
Date: 2008-03-28 17:38:31 UTC
From: danny garvin
Topic: 4488 Message: 4510

Thanks for the info! I had only checked a cople of places so far but there are a cople of LOWES and Home Depot stores here in town I'll check there.
Danny
WB9RIM

----- Original Message ----
From: Dave <emailw8nf@...>
To: ham-antennas@yahoogroups.com
Sent: Friday, March 28, 2008 12:17:12 PM
Subject: [ham-antennas] Re: effective Ground Radial System

--- In ham-antennas@ yahoogroups. com, danny garvin <grailknight_ 2@...>
wrote:
>
> That sounds more like it. I was actualy looking for aluminum wire
when I stumbled across the spool of #14 galvinized for $34.95. But
what I was looking for was more on the order of the aluminum close
line wire that you could buy years ago, I think that stuff was on the
order of #6 or #8 ga. I remember some projects years ago where they
used that for the elements in two meter and 440 beams. Also in small
VHF and UHF quads. But I haven been able to find any yet.
> Danny
> WB9RIM

Well, I just did a Google search for "aluminum clothesline wire" and
found a number of mail-order sources for it. It appears that 9-gauge
"blue coated" aluminum clothesline wire is offered by the Hillman
Company. This is a major supplier of fasteners and other home
handyman hardware to stores like Home Depot. Perhaps a Big Box
hardware store is a place to check for it. Typical online prices
appear to be $7 for a 50 foot spool, and when you order multiple
spools, they're all connected together, up to 12 spools.

I made my first two meter beam out of large-gauge aluminum clothesline
wire...but it was not 'coated'.

Dave W8NF

[Non-text portions of this message have been removed]

4511. Re: [ham-antennas] Re: effective Ground Radial System

Yahoo group: ham-antennas (2008)
Date: 2008-03-28 17:53:55 UTC
From: Wayne
Topic: 4488 Message: 4511

Seems to be getting harder to find many things.
Places to look:
Ace Hardware.
OSH (Orchard Supply Hardware) in California.
Home Despot, maybe, their inventory varies with region and how well they reorder.
Lowes Home improvement. Another maybe, but often better than H D...
May be other places, and this can vary depending on where you live.

OSH carries (Or did) a fair amount of aluminum material, tubing (heavy stuff) rod, angle and so on.
That is where I got most of the material I used for several antennas.
Ace might or might not have some of it.

Oh, and when I wanted guy wire, I had to search a bit. I forget what they sell it as now (stranded galvanized stuff).
YMMV

Wayne WA2YNE

On Fri, 28 Mar 2008 00:00:13 -0500, danny garvin <grailknight_2@...>
wrote:

> That sounds more like it. I was actualy looking for aluminum wire when I
> stumbled across the spool of #14 galvinized for $34.95. But what I was
> looking for was more on the order of the aluminum close line wire that
> you could buy years ago, I think that stuff was on the order of #6 or #8
> ga. I remember some projects years ago where they used that for the
> elements in two meter and 440 beams. Also in small VHF and UHF quads.
> But I haven been able to find any yet.
> Danny
> WB9RIM
>
>
> ----- Original Message ----
> From: Dave <emailw8nf@...>
> To: ham-antennas@yahoogroups.com
> Sent: Thursday, March 27, 2008 11:39:17 PM
> Subject: [ham-antennas] Re: effective Ground Radial System
>
> You made me go look at the receipt. I was in error in a couple
> ways. First off, yes it's aluminum...I knew I'd got that part
> right. But...the spool is 1/4 mile, not 1/2, and it's 14 gauge, not
> 17. Price paid was $36.50 last year from Pacific Harvest, an ag
> supply store here in Oregon. I'm sure it's gone up since then, as
> all metals have risen.

>
> Dave W8NF
>
snipped
--
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4512. RE: [ham-antennas] 2M ground-plane

Yahoo group: ham-antennas (2008)
Date: 2008-03-28 21:41:04 UTC
From: James M.(Jim) Geidl
Topic: 4499 Message: 4512

For what it's worth, I have one of Arrows factory made J-poles and it works great. Unless you have the stuff or just want to do it yourself, I don't think you are going to save much over just buying one.

Jim, K6JMG

//

> [mailto:ham-antennas@yahoogroups.com] On Behalf Of Wayne
> Sent: Friday, March 28, 2008 9:27 AM
> To: ham-antennas@yahoogroups.com
> Subject: Re: [ham-antennas] 2M ground-plane
>
> I don't have actual pictures of mine available right now,
> as they are on another computer.
> Go to : <http://www.arrowantennas.com/> and look at their J Poles.
> Mine look slightly different being as I used both rod and
> tubing for parts of mine.
> The one I made for the 222-225 MHz band is actually
> adjustable, as I used a small section of tubing on the tops
> of the elements. Plus I had to splice two rods togeher for my
> dual band on the longest element.
> Eventually I will get all of my pictures consolidated and
> put them on my web site.
> This type of J Pole when built right is very solid, and
> will withstand rather high winds.
> One of the difficult parts is threading one end of the rods
> for 3/8" by
> 24 thread. I managed to get mine slightly off on a couple of
> the elements.
> Mostly basic tools required, and a 3/8 by 24 die and holder
> for the threading.
> Beware the cheap tap and die sets. Some are made to very
> poor specs. I wish I still had the set that vanished back in
> the mid 70's.
> I threaded the holes in the angle, except for the one for
> the driven element, and by using nuts and washers on both
> sides of the angle, was able to tighten adequately that they
> will not come apart. I also used a tad on NoAlox where the
> pieces join to other parts. Especially on the threads. I used
> mainly stainless steel nuts. Aluminum nuts and washers would
> be okay, but harder to locate.
> The aluminum angle needs to be heavy, not the thin cheaper
> stuff. I used one chunk cut into two for my J Poles. They can
> be built for virtually any band, but as you go down in
> frequency, the elements become larger. A version for six

> meter would have the taller element at almost 14 feet, and
> the shorter element about 4.6 feet. Not exact, as I rounded
> things off a bit there.
> For two meters and up you are looking at under 5 feet tall
> for the antenna.
> YMMV
>
> Wayne WA2YNE
>
> On Thu, 27 Mar 2008 22:43:14 -0500, richard erickson
> <rgus63@...>
> wrote:
>
> > Aluminum rod and tubing along with a heavy aluminum
> angle are the
> > basic pars I used, along with a U Bolt clamp, and 3/8" by
> 24 nuts and
> > washers, plus an adapter from Radio Shack for the feed.
> > ********
> > Do you have any pictures of what this looks like?
> >
> > Richard
> > WB6LUJ

4513. Re: [ham-antennas] Dipole

Yahoo group: ham-antennas (2008)
Date: 2008-03-28 21:39:52 UTC
From: John P.
Topic: 4468 Message: 4513

There are some other variables that need to be considered.....

1. Are you measuring the SWR close to the antenna or many (50+ for example) feet away?

2. How close to the ground is it?

3. What is close to it - trees, fences, aluminum sided house/building?

4. What is being used to support it - center, ends, etc?

5. Try reorientigng the antenna and see if anything changes.

Revisiting #1 above, there is a chart on the web (you'll have to search for it) that plots the SWR measured at the transmitter relative to the line losses including coax cable type & length.

Good Luck!

Dave Oldridge <doldridg@...> wrote:
On 21 Mar 2008 at 15:45, Rakesh Kapoor wrote:

> I made a dipole on 20m and fed it directly with RG58U and SWR is
> I:1.5
> on 14.150 BUT BUT the length of the dipole each side, after
> trimming,
> comes to 14feet instead of 16.9, what could be wrong??? why SWR
> is low
> even when the length of each side of dipole is not as per
> formula,
> that is 16.9 feet ??????

Your dipole is close to the ground or is capacity-coupled to
whatever is supporting it?

--

Dave Oldridge
ICQ 1800667
VA7CZ

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[Non-text portions of this message have been removed]

4514. Optimize G5RV?

Yahoo group: ham-antennas (2008)
Date: 2008-03-29 02:10:02 UTC
From: frostbitnome
Topic: 4514 Message: 4514

Hi Guys,

New here, name is Nate, KL3NP. I am in Nome, Alaska. Brand new to HF, I have just put up one of Kerry WA2NAN's 102' G5RV's, but it sure does not have the ears I hoped.

I mounted the center up on a 21' aluminum pole anchored to the eave of my house, the top of the pole perhaps 8 feet above the roof. The ends I strung out in an inverted "v", they about 3' above the ground at their anchorings. I have the feed line (its 100 feet long, 30' of ladder line mated to 70 feet of coax) running almost perpendicular to the antenna legs, the 30' ladder line has a small droop and is anchored to the side of my garage at its end (wood siding). I then ran the coax into the house, though 50' or more of it is coiled up in the closet. I was told I need the full 100' for it to work properly.

My radio is a Yaesu FT-857D and the tuner is an LDG AT100pro.

I know its location, or height, is not optimum, so I would like to hear what you folks would recommend I do if it were yours.

Thanks much, I appreciate your comments.

4515. Re: Optimize G5RV?

Yahoo group: ham-antennas (2008)
Date: 2008-03-29 03:47:33 UTC
From: ke4vyn
Topic: 4514 Message: 4515

IMHO.

I would dump the coax and use 450 ohm ladder line. Use the coax to build a air choke and run the coax into your tuner as they seem to like the coax connections better. The lower capacity ones anyway.

--- In ham-antennas@yahoogroups.com, "frostbitnome" <perkins@...> wrote:
>
>
> Hi Guys,
>
> New here, name is Nate, KL3NP. I am in Nome, Alaska. Brand new to HF,
> I have just put up one of Kerry WA2NAN's 102' G5RV's, but it sure does
> not have the ears I hoped.
>
> I mounted the center up on a 21' aluminum pole anchored to the eave of
> my house, the top of the pole perhaps 8 feet above the roof. The ends
> I strung out in an inverted "v", they about 3' above the ground at
> their anchorings. I have the feed line (its 100 feet long, 30' of
> ladder line mated to 70 feet of coax) running almost perpendicular to
> the antenna legs, the 30' ladder line has a small droop and is
> anchored to the side of my garage at its end (wood siding). I then ran
> the coax into the house, though 50' or more of it is coiled up in the
> closet. I was told I need the full 100' for it to work properly.
>
> My radio is a Yaesu FT-857D and the tuner is an LDG AT100pro.
>
> I know its location, or height, is not optimum, so I would like to
> hear what you folks would recommend I do if it were yours.
>
> Thanks much, I appreciate your comments.
>

4516. Re: [ham-antennas] Re: Optimize G5RV?

Yahoo group: ham-antennas (2008)
Date: 2008-03-29 10:03:46 UTC
From: Forrest Plumstead
Topic: 4514 Message: 4516

On Fri, Mar 28, 2008 at 10:47 PM, ke4vyn <Pistolero_onion@...> wrote:

> IMHO.
>
> I would dump the coax and use 450 ohm ladder line. Use the coax to
> build a air choke and run the coax into your tuner as they seem to
> like the coax connections better. The lower capacity ones anyway.
>
> --- In ham-antennas@yahoogroups.com <ham-antennas%40yahoogroups.com>,
> "frostbitnome" <perkins@...>
> wrote:
>
> >
> >
> > Hi Guys,
> >
> > New here, name is Nate, KL3NP. I am in Nome, Alaska. Brand new to
> HF,
> > I have just put up one of Kerry WA2NAN's 102' G5RV's, but it sure
> does
> > not have the ears I hoped.
> >
> > I mounted the center up on a 21' aluminum pole anchored to the eave
> of
> > my house, the top of the pole perhaps 8 feet above the roof. The
> ends
> > I strung out in an inverted "v", they about 3' above the ground at
> > their anchorings. I have the feed line (its 100 feet long, 30' of
> > ladder line mated to 70 feet of coax) running almost perpendicular
> to
> > the antenna legs, the 30' ladder line has a small droop and is
> > anchored to the side of my garage at its end (wood siding). I then
> ran
> > the coax into the house, though 50' or more of it is coiled up in
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> > closet. I was told I need the full 100' for it to work properly.
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> > My radio is a Yaesu FT-857D and the tuner is an LDG AT100pro.
> >
> > I know its location, or height, is not optimum, so I would like to
> > hear what you folks would recommend I do if it were yours.
> >
> > Thanks much, I appreciate your comments.
> >
>

>
>

Also from what I have read from others on this list you might want to try flat topping it rather than invert V or sloper. BTW I have lived in Anchorage twice. Did you get to see the finish of this years race?

--
Forrest Plumstead fplum1@...
PLUMSTEAD-L List master
http://lists.rootsweb.com/index/surname/p/plumstead.html
Plumstead and Associated Families:
http://freepages.genealogy.rootsweb.com/~fplum/
Military Kool Lynx: http://geocities.com/fplum/
Ham Radio WB5HQO http://forrest.3h.com/main.html
Photos: http://myspace.com/fplum7755

[Non-text portions of this message have been removed]

4517. Re: Optimize G5RV?

Yahoo group: ham-antennas (2008)
Date: 2008-03-29 13:43:32 UTC
From: steve95446
Topic: 4514 Message: 4517

Hi,

The tests I have done show that the G5RV doesn't like being an inverted V, especially if the ends are that close to the ground.

As a test, see if raising the ends, perhaps on fibreglass fishing poles, helps at all.

All the tests I have done with inverted V G5RVs show that it is down 1-3 S points on a resonant half-wave dipole.

Flat top at 35feet and it gets close to a dipole.

If you woud like e-mail me and I will let you have the MMANA modelling that I have done.

Steve G0KYA

4518. Re: [ham-antennas] Optimize G5RV?

Yahoo group: ham-antennas (2008)
Date: 2008-03-29 14:32:39 UTC
From: Bill Hall
Topic: 4514 Message: 4518

The 50' of coax coiled in the closet is one big RF choke.

Bill KZ5CW

----- Original Message ----
From: frostbitnome <perkins@...>
To: ham-antennas@yahoogroups.com
Sent: Friday, March 28, 2008 9:10:02 PM
Subject: [ham-antennas] Optimize G5RV?

Hi Guys,

New here, name is Nate, KL3NP. I am in Nome, Alaska. Brand new to HF, I have just put up one of Kerry WA2NAN's 102' G5RV's, but it sure does not have the ears I hoped.

I mounted the center up on a 21' aluminum pole anchored to the eave of my house, the top of the pole perhaps 8 feet above the roof. The ends I strung out in an inverted "v", they about 3' above the ground at their anchorings. I have the feed line (its 100 feet long, 30' of ladder line mated to 70 feet of coax) running almost perpendicular to the antenna legs, the 30' ladder line has a small droop and is anchored to the side of my garage at its end (wood siding). I then ran the coax into the house, though 50' or more of it is coiled up in the closet. I was told I need the full 100' for it to work properly.

My radio is a Yaesu FT-857D and the tuner is an LDG AT100pro.

I know its location, or height, is not optimum, so I would like to hear what you folks would recommend I do if it were yours.

Thanks much, I appreciate your comments.

[Non-text portions of this message have been removed]

4519. looking for tri band antenna home made ideas

Yahoo group: ham-antennas (2008)
Date: 2008-03-29 15:03:32 UTC
From: GORDON
Topic: 4519 Message: 4519

My club has asked me for ideas on bldg a tri-band antenna (144/220/440) or at minimum dual band (144/440), that is easy to construct, easy to assemble and fits into a storage container that can easily be transported. Any ideas would be helpfull.

Thanks
Gord Holmes

VE3AVA (old call va3gfh)

4520. RE: [ham-antennas] looking for tri band antenna home made ideas

Yahoo group: ham-antennas (2008)
Date: 2008-03-29 18:41:46 UTC
From: James M.(Jim) Geidl
Topic: 4519 Message: 4520

Take a look at the tri-bander from Arrow Antennas. It is simple and takes
about 5 minutes to put together.

Jim, K6JMG
//

> [mailto:ham-antennas@yahoogroups.com] On Behalf Of GORDON
> Sent: Saturday, March 29, 2008 7:04 AM
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] looking for tri band antenna home made ideas
>
> My club has asked me for ideas on bldg a tri-band antenna
> (144/220/440) or at minimum dual band (144/440), that is easy
> to construct, easy to assemble and fits into a storage
> container that can easily be transported. Any ideas would be helpfull.
>
> Thanks
> Gord Holmes
>
> VE3AVA (old call va3gfh)

4521. Re: [ham-antennas] looking for tri band antenna home made ideas

Yahoo group: ham-antennas (2008)
Date: 2008-03-29 20:21:44 UTC
From: Wayne
Topic: 4519 Message: 4521

The aluminum J Poles could be made so they can be easily portable. The dual bander by using a long 3/8 by 24 nut in the middle of the longest element, and the 222-225 MHz version is short enough as it is. I have some pictures of the 222-225 MHz version I built in the photos on the ham help group.
<http://ph.groups.yahoo.com/group/HamRadioHelpGroup/photos/view/588a?b=1>
The Arrow Antenna versions can be bought for $39.99 eah plus shipping for those who don't want to roll theirown.
I personally loike building antennas when I can.
YMMV

Wayne WA2YNE

On Sat, 29 Mar 2008 10:03:32 -0500, GORDON <gfjh@...> wrote:

> My club has asked me for ideas on bldg a tri-band antenna
> (144/220/440) or at minimum dual band (144/440), that is easy to
> construct, easy to assemble and fits into a storage container that can
> easily be transported. Any ideas would be helpfull.
>
> Thanks
> Gord Holmes
> VE3AVA (old call va3gfh)
>

--
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4522. J pole Beam

Yahoo group: ham-antennas (2008)
Date: 2008-03-29 23:02:55 UTC
From: rrath
Topic: 4522 Message: 4522

Has any one ever made a J pole beam? You build a J pole and put a director and a reflecter on it. Any idea what the gain might be? Good questions for the people that have computor antenna programs. Thank you.

Rod kc7vqr

[Non-text portions of this message have been removed]

4523. Re: [ham-antennas] J pole Beam

Yahoo group: ham-antennas (2008)
Date: 2008-03-29 23:20:21 UTC
From: Chris
Topic: 4522 Message: 4523

My buddy made one, 5 elements in total. The whole thing was made of copper pipe with a 2x4 as a boom.

It was a crazy looking contraption, but it did indeed work pretty well.

No idea of what the rated gain was, but it definitely had nice front-to-back properties and he was able to work me on simplex with 5w and very solid signal when normally 20W on a j-pole was required for a similar result. It definitely had some gain.

On Sat, Mar 29, 2008 at 7:02 PM, rrath <rrath@...> wrote:
> Has any one ever made a J pole beam? You build a J
> pole and put a director and a reflecter on it. Any idea
> what the gain might be? Good questions for the
> people that have computor antenna programs. Thank
> you.
>
> Rod kc7vqr
>
>
> [Non-text portions of this message have been removed]
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 974 members (as of 11/07/07, and attachments are NOT permitted.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
>

4524. Re: [ham-antennas] Gain antennas

Yahoo group: ham-antennas (2008)
Date: 2008-03-29 23:58:47 UTC
From: richard erickson
Topic: 4522 Message: 4524

http://members.aol.com/n2kbk/quagi.html

http://kk5bl.tripod.com/quagi.html

The Quagi is a nice diy gain antenna. The second site
if for a ten element 2 meter quagi . . The author says
a 14 db gain. 17.8 ft . . imagine if you only used 5
elements and got it under nine feet . . or 4 and got
it under 8 feet.

Just another decent antenna for gain at 2 meters and
higher.

Richard Erickson
WB6LUJ

OMG, Sweet deal for Yahoo! users/friends:Get A Month of Blockbuster Total Access, No Cost.
W00t
http://tc.deals.yahoo.com/tc/blockbuster/text2.com

4525. Re: [ham-antennas] looking for tri band antenna home made ideas

Yahoo group: ham-antennas (2008)
Date: 2008-03-30 01:43:48 UTC
From: Jeff Stevens
Topic: 4519 Message: 4525

On Sat, 2008-03-29 at 15:03 +0000, GORDON wrote:
> My club has asked me for ideas on bldg a tri-band antenna
> (144/220/440) or at minimum dual band (144/440), that is easy to
> construct, easy to assemble and fits into a storage container that can
> easily be transported. Any ideas would be helpfull.

For a dual-band, easy to assemble, easy to transport antenna take a look at the DBJ-1 [1] and DBJ-2 [2].

[1] http://www.arrl.org/tis/info/pdf/0302038.pdf
[2] http://www.arrl.org/qst/2007/03/fong.pdf

The DBJ-1 is designed to be put inside a piece of PVC pipe for base station use and the DBJ-2 is designed to be hung up in a tree or other support.

I've made a few single band j-poles from twinlead and have been very happy with the performance. I plan to make a number of dual bands. The DBJ antennas seem extremely inexpensive and easy to construct. The price per foot for RG-174 type coax was outrageous locally so I ordered an entire spool of Belden. Another project on my to do list!

-Jeff
KE7FRJ

4526. Re: Quad Questions

Yahoo group: ham-antennas (2008)
Date: 2008-03-30 04:29:38 UTC
From: Keith
Topic: 4453 Message: 4526

Dave

I have an antenna analyzer, an MFJ 259B I purchased a couple of years ago to tune the DC ground .640 omni ground plane I built and run now. It's the best 11 meter omni antenna in existence today bar none.

I'm currently working on the tilt-up tower setup the quad will go on. It will be completed in a day or two.
Once that's completed I can start building the antenna.

Beyond the reflector and the first director, will the second and third director have any effect tuning the antenna?

I don't want to cut up any more copper wire than I have to in order to get this thing tuned.
I plan on using #14 gauge tinned Flew-Weave wire for the loops and it's not cheap.

Keith

--- In ham-antennas@yahoogroups.com, Dave Oldridge <doldridg@...> wrote:
>
> On 20 Mar 2008 at 6:03, Keith wrote:
>
> > My first question is about a matching system for the quad. I've
> > ruled out the available manufactured Baluns due to their
> > physical size. Regardless of the way they are orientated on the
> > spreader arm they will put the driven loop out of alignment. Two
> > points of the driven loop will be misaligned with the rest of
> > the loops making the driven loop larger than the reflector on
> > one side. I don't want it being confused as to which direction
> > it should be directional.
>
> You might consider mounting the quad so that the spreaders are
> horizontal and vertical rather than at 45 degrees. That way, you
> could strap a 1:1 balun right to the spreader. You don't need a
> huge one for 12w pep on 11M and you can often just connect the
> coax direct. For horizontal polarization. feed it at the bottom,
> though for most 11M work, you really want vertical polarization
> and should feed it at the side. Even if there is some distortion
> due to spreader bending, as long as the area of the driven
> element stays about the same, the design will work. Make the
> driven element's perimeter about an inch shy of 37 feet and the
> reflector about 38 feet 9.5 inches. The only real drawback to
> this diamond orientation is that the turning radius is a bit

> bigger.
>
> You can, to some extent, tune the impedance in a 3+ element
> design by adjusting the spacing of the element immediately in
> front of the driven element. A good way to tune is to upend it
> on the ground pointing it straight up and make your adjustments
> there with a begged, bought or borrowed analyzer. Even an SWR
> bridge near the feedpoint can tell you a lot. It's quite
> feasible to make a quad that has 50 ohm resistive impedance at
> the feedpoint, thus making matching networks unnecessary. Might
> be a tad harder to do it with switchable polarity, though.
>
> Vertical is probably best for most local work. Horizontal will
> have an edge over it for long terrestrial paths or skip. I did
> have a good location back when I played with 11M and I could work
> 100 miles quite easily with 12w PEP and just a half-wave vertical
> antenna.
>
>
> --
>
> Dave Oldridge
> ICQ 1800667
> VA7CZ
>

4527. Quad and tower

Yahoo group: ham-antennas (2008)
Date: 2008-03-30 05:17:17 UTC
From: richard erickson
Topic: 4453 Message: 4527

I'm currently working on the tilt-up tower setup the
quad will go on. It will be completed in a day or two.
Once that's completed I can start building the
antenna.
****
Two points: First, I'd like to know about your tilt up
tower. I'm assuming it is a home brew. I'd like to
know about your design. Could you share a picture.

Secondly, here is a book I have had for a long time.
I found it listed at Amazon.

http://www.amazon.com/All-About-Cubical-Quad-Antennas/dp/B00125L07Y/ref=sr_1_7?ie=UTF8&s=books&qid=1206854047&sr=1-7

They do not have any . . new or used. I have used
this book and continue to use it. Good book.

One thing about quads .. at least my quad . . they are
very forgiving.

Richard Erickson
WB6LUJ

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http://tc.deals.yahoo.com/tc/blockbuster/text3.com

4528. Re: Quad and tower

Yahoo group: ham-antennas (2008)
Date: 2008-03-30 14:24:04 UTC
From: Keith
Topic: 4453 Message: 4528

Richard

They're out there IF you want to pay the price.
http://www.amazon.com/gp/offer-listing/B0007EX2M2/ref=sr_1_olp_1?
ie=UTF8&s=books&qid=1206886617&sr=8-1

The best price I've found so far is $41.00 plus shipping.

I had several sticks of 2x2" x 1/4" thick steel angle and a 10' x 10'
concrete pad so I built a framework to tilt the tower.
I'll get some photos when completed.

Thanks

Keith

--- In ham-antennas@yahoogroups.com, richard erickson <rgus63@...>
wrote:
>
> I'm currently working on the tilt-up tower setup the
> quad will go on. It will be completed in a day or two.
> Once that's completed I can start building the
> antenna.
> *********
> Two points: First, I'd like to know about your tilt up
> tower. I'm assuming it is a home brew. I'd like to
> know about your design. Could you share a picture.
>
> Secondly, here is a book I have had for a long time.
> I found it listed at Amazon.
>
> http://www.amazon.com/All-About-Cubical-Quad-
Antennas/dp/B00125L07Y/ref=sr_1_7?ie=UTF8&s=books&qid=1206854047&sr=1-
7
>
> They do not have any . . new or used. I have used
> this book and continue to use it. Good book.
>
> One thing about quads .. at least my quad . . they are
> very forgiving.
>
> Richard Erickson
> WB6LUJ
>
>
>

>
>
>

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> http://tc.deals.yahoo.com/tc/blockbuster/text3.com
>

4529. Re: [ham-antennas] J pole Beam

Yahoo group: ham-antennas (2008)
Date: 2008-03-30 16:29:28 UTC
From: Ken Burchfield
Topic: 4522 Message: 4529

Here is one
http://www.hamuniverse.com/jbeam.html
73 Ken

PacketRadio is Still Alive.....Mississippi.....145.010.....Simplex.....1200 Baud

----- Original Message ----
From: rrath <rrath@...>
To: ham-antennas@yahoogroups.com
Sent: Saturday, March 29, 2008 5:02:55 PM
Subject: [ham-antennas] J pole Beam

Has any one ever made a J pole beam? You build a J
pole and put a director and a reflecter on it. Any idea
what the gain might be? Good questions for the
people that have computor antenna programs. Thank
you.

Rod kc7vqr

.

<!--

#ygrp-mkp{
border:1px solid #d8d8d8;font-family:Arial;margin:14px 0px;padding:0px 14px;}
#ygrp-mkp hr{
border:1px solid #d8d8d8;}
#ygrp-mkp #hd{
color:#628c2a;font-size:85%;font-weight:bold;line-height:122%;margin:10px 0px;}
#ygrp-mkp #ads{
margin-bottom:10px;}
#ygrp-mkp .ad{
padding:0 0;}
#ygrp-mkp .ad a{
color:#0000ff;text-decoration:none;}
-->

<!--

#ygrp-sponsor #ygrp-lc{
font-family:Arial;}
#ygrp-sponsor #ygrp-lc #hd{
margin:10px 0px;font-weight:bold;font-size:78%;line-height:122%;}
#ygrp-sponsor #ygrp-lc .ad{
margin-bottom:10px;padding:0 0;}
-->

```
<!--

#ygrp-mlmsg {font-size:13px;font-family:arial, helvetica, clean, sans-serif;}
#ygrp-mlmsg table {font-size:inherit;font:100%;}
#ygrp-mlmsg select, input, textarea {font:99% arial, helvetica, clean, sans-serif;}
#ygrp-mlmsg pre, code {font:115% monospace;}
#ygrp-mlmsg * {line-height:1.22em;}
#ygrp-text{
font-family:Georgia;
}
#ygrp-text p{
margin:0 0 1em 0;}
#ygrp-tpmsgs{
font-family:Arial;
clear:both;}
#ygrp-vitnav{
padding-top:10px;font-family:Verdana;font-size:77%;margin:0;}
#ygrp-vitnav a{
padding:0 1px;}
#ygrp-actbar{
clear:both;margin:25px 0;white-space:nowrap;color:#666;text-align:right;}
#ygrp-actbar .left{
float:left;white-space:nowrap;}
.bld{font-weight:bold;}
#ygrp-grft{
font-family:Verdana;font-size:77%;padding:15px 0;}
#ygrp-ft{
font-family:verdana;font-size:77%;border-top:1px solid #666;
padding:5px 0;
}
#ygrp-mlmsg #logo{
padding-bottom:10px;}

#ygrp-reco {
margin-bottom:20px;padding:0px;}
#ygrp-reco #reco-head {
font-weight:bold;color:#ff7900;}

#reco-grpname{
font-weight:bold;margin-top:10px;}
#reco-category{
font-size:77%;}
#reco-desc{
font-size:77%;}

#ygrp-vital{
background-color:#e0ecee;margin-bottom:20px;padding:2px 0 8px 8px;}
#ygrp-vital #vithd{
font-size:77%;font-family:Verdana;font-weight:bold;color:#333;text-transform:uppercase;}
#ygrp-vital ul{
padding:0;margin:2px 0;}
#ygrp-vital ul li{
```

```
list-style-type:none;clear:both;border:1px solid #e0ecee;
}
#ygrp-vital ul li .ct{
font-weight:bold;color:#ff7900;float:right;width:2em;text-align:right;padding-right:.5em;}
#ygrp-vital ul li .cat{
font-weight:bold;}
#ygrp-vital a{
text-decoration:none;}

#ygrp-vital a:hover{
text-decoration:underline;}

#ygrp-sponsor #hd{
color:#999;font-size:77%;}
#ygrp-sponsor #ov{
padding:6px 13px;background-color:#e0ecee;margin-bottom:20px;}
#ygrp-sponsor #ov ul{
padding:0 0 0 8px;margin:0;}
#ygrp-sponsor #ov li{
list-style-type:square;padding:6px 0;font-size:77%;}
#ygrp-sponsor #ov li a{
text-decoration:none;font-size:130%;}
#ygrp-sponsor #nc{
background-color:#eee;margin-bottom:20px;padding:0 8px;}
#ygrp-sponsor .ad{
padding:8px 0;}
#ygrp-sponsor .ad #hd1{
font-family:Arial;font-weight:bold;color:#628c2a;font-size:100%;line-height:122%;}
#ygrp-sponsor .ad a{
text-decoration:none;}
#ygrp-sponsor .ad a:hover{
text-decoration:underline;}
#ygrp-sponsor .ad p{
margin:0;}
o{font-size:0;}
.MsoNormal{
margin:0 0 0 0;}
#ygrp-text tt{
font-size:120%;}
blockquote{margin:0 0 0 4px;}
.replbq{margin:4;}
-->

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[Non-text portions of this message have been removed]
```

4530. Re: Optimize G5RV?

Yahoo group: ham-antennas (2008)
Date: 2008-03-30 17:29:34 UTC
From: frostbitnome
Topic: 4514 Message: 4530

Yesterday I took the antenna ends up to 15' above ground, so it now has much less slope to the legs, or less angle to the ground.
Still performing poorly, no better than it was originally, in fact, I think its noisier. With the 80 meter band "in" last night two hours after dark, a local also with a G5RV three miles from me was working an in-state ham. I could only hear the local, zero copy on the other.
Lots of noise (s9+).

--- In ham-antennas@yahoogroups.com, "steve95446" <steve@...> wrote:
>
> Hi,
>
> The tests I have done show that the G5RV doesn't like being an
> inverted V, especially if the ends are that close to the ground.
>
> As a test, see if raising the ends, perhaps on fibreglass fishing
> poles, helps at all.
>
> All the tests I have done with inverted V G5RVs show that it is down 1-
> 3 S points on a resonant half-wave dipole.
>
> Flat top at 35feet and it gets close to a dipole.
>
> If you woud like e-mail me and I will let you have the MMANA modelling
> that I have done.
>
> Steve G0KYA
>

4531. Re: [ham-antennas] Re: Optimize G5RV?

Yahoo group: ham-antennas (2008)
Date: 2008-03-30 17:35:38 UTC
From: Phil Bader
Topic: 4514 Message: 4531

Well, this eliminates the G5RV as the culprit, since a fellow 3 miles away using the same system was doing alright. Possibilities: Poor rxvr front end, lossy coax (run ladder line all the way), lossy antenna tuner? Also just to humor me, try laying a wire counterpoise on ground under the G5RV. Worth a try.
Phil B
Philip Bader
pbader@...
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakelandarc.org/
Currently: Polk County School Board Electronics
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006

----- Original Message -----
From: frostbitnome
To: ham-antennas@yahoogroups.com
Sent: Sunday, March 30, 2008 1:29 PM
Subject: [ham-antennas] Re: Optimize G5RV?

Yesterday I took the antenna ends up to 15' above ground, so it now has much less slope to the legs, or less angle to the ground. Still performing poorly, no better than it was originally, in fact, I think its noisier. With the 80 meter band "in" last night two hours after dark, a local also with a G5RV three miles from me was working an in-state ham. I could only hear the local, zero copy on the other. Lots of noise (s9+).

--- In ham-antennas@yahoogroups.com, "steve95446" <steve@...> wrote:
>
> Hi,
>
> The tests I have done show that the G5RV doesn't like being an
> inverted V, especially if the ends are that close to the ground.
>
> As a test, see if raising the ends, perhaps on fibreglass fishing
> poles, helps at all.
>
> All the tests I have done with inverted V G5RVs show that it is down 1-
> 3 S points on a resonant half-wave dipole.
>
> Flat top at 35feet and it gets close to a dipole.
>
> If you woud like e-mail me and I will let you have the MMANA modelling
> that I have done.
>
> Steve G0KYA

>

No virus found in this incoming message.
Checked by AVG.
Version: 7.5.519 / Virus Database: 269.22.1/1349 - Release Date: 3/29/2008 5:02 PM

[Non-text portions of this message have been removed]

4532. Re: [ham-antennas] Re: Optimize G5RV?

Yahoo group: ham-antennas (2008)
Date: 2008-03-30 17:41:43 UTC
From: Karl Moll
Topic: 4514 Message: 4532

I'm running a G5RV as an inverted V and it now works great. I had the center insulator attached near the apex of the house at 20 ft up and the ends down around 8 ft. I found that if the center insulator is too close to the building however, I get very poor performance. By relocating the antenna so the center insulator is at least 4 ft from any structure the performance improves greatly. Last night I had contacts in Ontario Canada, South Carolina and Florida, all from central California! Just FYI.

frostbitnome wrote:
>
> Yesterday I took the antenna ends up to 15' above ground, so it now
> has much less slope to the legs, or less angle to the ground.
> Still performing poorly, no better than it was originally, in fact, I
> think its noisier. With the 80 meter band "in" last night two hours
> after dark, a local also with a G5RV three miles from me was working
> an in-state ham. I could only hear the local, zero copy on the other.
> Lots of noise (s9+).
>
> --- In ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>, "steve95446" <steve@...> wrote:
> >
> > Hi,
> >
> > The tests I have done show that the G5RV doesn't like being an
> > inverted V, especially if the ends are that close to the ground.
> >
> > As a test, see if raising the ends, perhaps on fibreglass fishing
> > poles, helps at all.
> >
> > All the tests I have done with inverted V G5RVs show that it is down 1-
> > 3 S points on a resonant half-wave dipole.
> >
> > Flat top at 35feet and it gets close to a dipole.
> >
> > If you woud like e-mail me and I will let you have the MMANA modelling
> > that I have done.
> >
> > Steve G0KYA
> >
>
>

[Non-text portions of this message have been removed]

4533. Re: [ham-antennas] Re: Optimize G5RV?

Yahoo group: ham-antennas (2008)
Date: 2008-03-30 18:37:45 UTC
From: Wayne
Topic: 4514 Message: 4533

You might be better using a bent dipole.
bend the ends, or zig zag, even fold back or in a loop of sorts.
I found that a straight dipole atten feet above ground at the center, and ends barely above ground, worked fairly well when I camped on some desert property I had a few years ago.
Plus where I lived in a trailer park for over a year, I had my 75 meter dipole in an almost delta loop, and not all that high. Main thing is to have the full length wire there, even if you have to bend it around to fit the space.
An antenna that is not full length for the band will perform less well. this includes receive as well as transmit.
When I added 75 meter legs to my 40/20 dipole, it improved both my ougoing signal and my receive. I had been using a tuner to work 75 using the 40/20 dipole. It was like adding an amp on TX and a preamp on RX when I added the 75 meter legs. And I had those bent so it was only above the roof of the mobile home I used to live in.
bending the ends around should, IMO, work better than using loading coils.
Plus you can "tune" the antenna so that you have at least some parts of the band you can work without a tuner. This means adjusting the length. I always started long and removed wire to get where I wanted it.
The G5RV requires a tuner, period.
A dipole can be cut so it can be used without a tuner for part of the band.
YMMV

Wayne WA2YNE
Imperial, Tejas

On Sun, 30 Mar 2008 12:29:34 -0500, frostbitnome <perkins@...> wrote:

> Yesterday I took the antenna ends up to 15' above ground, so it now
> has much less slope to the legs, or less angle to the ground.
> Still performing poorly, no better than it was originally, in fact, I
> think its noisier. With the 80 meter band "in" last night two hours
> after dark, a local also with a G5RV three miles from me was working
> an in-state ham. I could only hear the local, zero copy on the other.
> Lots of noise (s9+).
>
>
> --- In ham-antennas@yahoogroups.com, "steve95446" <steve@...> wrote:
>>
>> Hi,
>>
>> The tests I have done show that the G5RV doesn't like being an
>> inverted V, especially if the ends are that close to the ground.
>>

>> As a test, see if raising the ends, perhaps on fibreglass fishing
>> poles, helps at all.
>>
>> All the tests I have done with inverted V G5RVs show that it is down 1-
>> 3 S points on a resonant half-wave dipole.
>>
>> Flat top at 35feet and it gets close to a dipole.
>>
>> If you woud like e-mail me and I will let you have the MMANA modelling
>> that I have done.
>>
>> Steve G0KYA
>>
>
>

--
Using Opera's revolutionary e-mail client: http://www.opera.com/mail/

4534. Re:ham-antennas] Re: Optimize G5RV?

Yahoo group: ham-antennas (2008)
Date: 2008-03-31 01:31:45 UTC
From: Bill Coulson
Topic: 4514 Message: 4534

A G5RV has to be up at least 32.6 feet so the 450 ohm ladder line is suspened 90 degrees from the 102 feet horizontal line.

The G5RV likes to be bent down inverted vee fashion by 120 degrees only.

The G5RV also likes a tuner.

The G5RV also like at least 100 feet of coax

Bill Coulson
Colville, WA

----- Original Message -----
From: Phil Bader
To: ham-antennas@yahoogroups.com
Sent: Sunday, March 30, 2008 10:35 AM
Subject: [SPAM]Re: [ham-antennas] Re: Optimize G5RV?

Well, this eliminates the G5RV as the culprit, since a fellow 3 miles away using the same system was doing alright. Possibilities: Poor rxvr front end, lossy coax (run ladder line all the way), lossy antenna tuner? Also just to humor me, try laying a wire counterpoise on ground under the G5RV. Worth a try.
Phil B
Philip Bader
pbader@...
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakelandarc.org/
Currently: Polk County School Board Electronics
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006

----- Original Message -----
From: frostbitnome
To: ham-antennas@yahoogroups.com
Sent: Sunday, March 30, 2008 1:29 PM
Subject: [ham-antennas] Re: Optimize G5RV?

Yesterday I took the antenna ends up to 15' above ground, so it now
has much less slope to the legs, or less angle to the ground.
Still performing poorly, no better than it was originally, in fact, I
think its noisier. With the 80 meter band "in" last night two hours
after dark, a local also with a G5RV three miles from me was working
an in-state ham. I could only hear the local, zero copy on the other.
Lots of noise (s9+).

--- In ham-antennas@yahoogroups.com, "steve95446" <steve@...> wrote:
>

> Hi,
>
> The tests I have done show that the G5RV doesn't like being an
> inverted V, especially if the ends are that close to the ground.
>
> As a test, see if raising the ends, perhaps on fibreglass fishing
> poles, helps at all.
>
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> 3 S points on a resonant half-wave dipole.
>
> Flat top at 35feet and it gets close to a dipole.
>
> If you woud like e-mail me and I will let you have the MMANA modelling
> that I have done.
>
> Steve G0KYA
>

No virus found in this incoming message.
Checked by AVG.
Version: 7.5.519 / Virus Database: 269.22.1/1349 - Release Date: 3/29/2008 5:02 PM

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

4535. Re: [ham-antennas] Re:ham-antennas] Re: Optimize G5RV?

Yahoo group: ham-antennas (2008)
Date: 2008-03-31 01:57:05 UTC
From: Karl Moll
Topic: 4514 Message: 4535

Mine is up only 19 ft and the ladder line drops straight for 10 ft and
then loops twice before reaching the coax. It works great.

Bill Coulson wrote:
>
> A G5RV has to be up at least 32.6 feet so the 450 ohm ladder line is
> suspened 90 degrees from the 102 feet horizontal line.
>
> The G5RV likes to be bent down inverted vee fashion by 120 degrees only.
>
> The G5RV also likes a tuner.
>
> The G5RV also like at least 100 feet of coax
>
> Bill Coulson
> Colville, WA
>
> ----- Original Message -----
> From: Phil Bader
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Sent: Sunday, March 30, 2008 10:35 AM
> Subject: [SPAM]Re: [ham-antennas] Re: Optimize G5RV?
>
> Well, this eliminates the G5RV as the culprit, since a fellow 3 miles
> away using the same system was doing alright. Possibilities: Poor rxvr
> front end, lossy coax (run ladder line all the way), lossy antenna
> tuner? Also just to humor me, try laying a wire counterpoise on ground
> under the G5RV. Worth a try.
> Phil B
> Philip Bader
> pbader@... <mailto:pbader%40tampabay.rr.com>
> Amateur call: KI4NUC, Winter Haven, Fl.
> Member: Lakeland Amateur Radio Club
> http://www.lakelandarc.org/ <http://www.lakelandarc.org/>
> Currently: Polk County School Board Electronics
> Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006
>
> ----- Original Message -----
> From: frostbitnome
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Sent: Sunday, March 30, 2008 1:29 PM
> Subject: [ham-antennas] Re: Optimize G5RV?
>
> Yesterday I took the antenna ends up to 15' above ground, so it now
> has much less slope to the legs, or less angle to the ground.

> Still performing poorly, no better than it was originally, in fact, I
> think its noisier. With the 80 meter band "in" last night two hours
> after dark, a local also with a G5RV three miles from me was working
> an in-state ham. I could only hear the local, zero copy on the other.
> Lots of noise (s9+).
>
> --- In ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>, "steve95446" <steve@...> wrote:
> >
> > Hi,
> >
> > The tests I have done show that the G5RV doesn't like being an
> > inverted V, especially if the ends are that close to the ground.
> >
> > As a test, see if raising the ends, perhaps on fibreglass fishing
> > poles, helps at all.
> >
> > All the tests I have done with inverted V G5RVs show that it is down 1-
> > 3 S points on a resonant half-wave dipole.
> >
> > Flat top at 35feet and it gets close to a dipole.
> >
> > If you woud like e-mail me and I will let you have the MMANA modelling
> > that I have done.
> >
> > Steve G0KYA
> >
>
> ---
>
> No virus found in this incoming message.
> Checked by AVG.
> Version: 7.5.519 / Virus Database: 269.22.1/1349 - Release Date:
> 3/29/2008 5:02 PM
>
> [Non-text portions of this message have been removed]
>
> [Non-text portions of this message have been removed]
>
>

[Non-text portions of this message have been removed]

4536. Re: Quad and tower

Yahoo group: ham-antennas (2008)
Date: 2008-03-31 16:02:08 UTC
From: kd8zatarrldotnet
Topic: 4453 Message: 4536

The ARRL has a great deal of reference material on this antenna and
many others as well, Google has info also, just an adjunct!

--- In ham-antennas@yahoogroups.com, "Keith" <keithmatthews@...>
wrote:
>
> Richard
>
> They're out there IF you want to pay the price.
> http://www.amazon.com/gp/offer-listing/B0007EX2M2/ref=sr_1_olp_1?
> ie=UTF8&s=books&qid=1206886617&sr=8-1
>
> The best price I've found so far is $41.00 plus shipping.
>
> I had several sticks of 2x2" x 1/4" thick steel angle and a 10' x
10'
> concrete pad so I built a framework to tilt the tower.
> I'll get some photos when completed.
>
> Thanks
>
> Keith
>
>
> --- In ham-antennas@yahoogroups.com, richard erickson <rgus63@>
> wrote:
> >
> > I'm currently working on the tilt-up tower setup the
> > quad will go on. It will be completed in a day or two.
> > Once that's completed I can start building the
> > antenna.
> > *********
> > Two points: First, I'd like to know about your tilt up
> > tower. I'm assuming it is a home brew. I'd like to
> > know about your design. Could you share a picture.
> >
> > Secondly, here is a book I have had for a long time.
> > I found it listed at Amazon.
> >
> > http://www.amazon.com/All-About-Cubical-Quad-
> Antennas/dp/B00125L07Y/ref=sr_1_7?
ie=UTF8&s=books&qid=1206854047&sr=1-
> 7
> >
> > They do not have any . . new or used. I have used

> > this book and continue to use it. Good book.
> >
> > One thing about quads .. at least my quad . . they are
> > very forgiving.
> >
> > Richard Erickson
> > WB6LUJ
> >
> >
> >
> >
> >
> >
>

> _____
> > Special deal for Yahoo! users & friends - No Cost. Get a month of
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> >
>

4537. Coax Question

Yahoo group: ham-antennas (2008)
Date: 2008-03-31 18:23:36 UTC
From: Ross
Topic: 4537 Message: 4537

I have about 30 feet of extra RG8U coax coiled under my desk for HF. The total run to the antenna is about 60 feet. I also do this with RG58U for my UHF/VHF antenna.

Some people have told me that this is not a problem, while others tell me I have created an RF choke that would have a large impact on my power. I like to have this spare coax so it allows me flexibility of moving my setup around. I have found that I start ending up with shorter and shorter coax as I keep cutting it up to serve my different purposes.

Ross
N8GMY

4538. Re: [ham-antennas] (Coiled-up) Coax Question

Yahoo group: ham-antennas (2008)
Date: 2008-03-31 19:37:04 UTC
From: Andy
Topic: 4538 Message: 4538

> Some people have told me that this is not a problem, while others tell
> me I have created an RF choke that would have a large impact on my
> power. ...

Coiled-up coax should have no effect at all on the signal being carried inside the coax, which is where the signal generally ought to be. But there can also be common-mode currents, which flow on the outside of the coax, and they radiate from the coax just like an antenna. This is usually considered undesirable and is to be avoided, but sometimes it is not so bad and there are HF antennas that actually make use of signal radiated from the feedline.

Coiling up your coax does indeed form a choke that impedes these common-mode currents, and this is usually considered a Good Thing (except for those antennas that want the coax to radiate). You will not be losing any power because of that. Those that say it impedes the signal inside the coax don't understand how coax works.

Maybe a bigger problem with a lot of extra coax, is the coax loss, esp. at UHF/VHF. This loss is there whether or not the coax is coiled up.

Andy

4539. RE: [ham-antennas] (Coiled-up) Coax Question

Yahoo group: ham-antennas (2008)
Date: 2008-03-31 19:48:10 UTC
From: Kirk Morrison
Topic: 4538 Message: 4539

Andy is correct, it forms a common mode choke and acts as a balun more or less. I have one at my antenna switch, and all it does is basically it helps prevent TVI in my house. Before I used it I had a small amount of RF on some bands in the house, afterwards, not so much, but I later added by low pass filter and got rid of all of it. I used 7 turns in a 8 inch circle of RG 8X don't do it to tight or the conductors can shift over time. This is a recommended practice except at VHF and UHF, by a lot of authors, so it isn't a bad thing to do, if you have the coax and don't want to buy a slightly lower loss Balun, don't worry about the losses. Unless you are at 28 MHZ or above using 58, 8(X) or 213 I wouldn't worry to much about the losses from an extra 10 or 12 foot above that I might, depending on the frequency and they coax.

Y.M.M.V

Kirk KA4PXK

> To: ham-antennas@yahoogroups.com
> From: Andy.groups@...
> Date: Mon, 31 Mar 2008 15:37:04 -0400
> Subject: Re: [ham-antennas] (Coiled-up) Coax Question
>
>
>> Some people have told me that this is not a problem, while others tell
>> me I have created an RF choke that would have a large impact on my
>> power. ...
>
> Coiled-up coax should have no effect at all on the signal being carried
> inside the coax, which is where the signal generally ought to be. But there
> can also be common-mode currents, which flow on the outside of the coax, and
> they radiate from the coax just like an antenna. This is usually considered
> undesirable and is to be avoided, but sometimes it is not so bad and there
> are HF antennas that actually make use of signal radiated from the feedline.
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> Coiling up your coax does indeed form a choke that impedes these common-mode
> currents, and this is usually considered a Good Thing (except for those
> antennas that want the coax to radiate). You will not be losing any power
> because of that. Those that say it impedes the signal inside the coax don't
> understand how coax works.
>
> Maybe a bigger problem with a lot of extra coax, is the coax loss, esp. at
> UHF/VHF. This loss is there whether or not the coax is coiled up.
>
> Andy
>
>
>

How well do you know your celebrity gossip?
http://originals.msn.com/thebigdebate?ocid=T002MSN03N0707A

4540. Re:ham-antennas] Re: Optimize G5RV?

Yahoo group: ham-antennas (2008)
Date: 2008-03-31 23:02:25 UTC
From: frostbitnome
Topic: 4514 Message: 4540

I have a tuner on it. AT100pro, radio is a Yaesu FT857D. It has 30
feet of ladder line, then 70 feet of coax (equals 100'...its one of
Kerry WAWNAN's units...the reviews on eham are stellar)
I took the antenna down last night and took it to a large open field
free of any obstructions. It was quiet. It just does not like my house
location, I guess. It will remain down until I figure out what to do
next, which may be sell off the brand new HF gear and stay with
UHF/VHF, where I have been 11 years. I thought my HF upgrade was going
to be fun...not the case.

--- In ham-antennas@yahoogroups.com, Karl Moll <km654@...> wrote:
>
> Mine is up only 19 ft and the ladder line drops straight for 10 ft and
> then loops twice before reaching the coax. It works great.
>
> Bill Coulson wrote:
> >
> > A G5RV has to be up at least 32.6 feet so the 450 ohm ladder line is
> > suspened 90 degrees from the 102 feet horizontal line.
> >
> > The G5RV likes to be bent down inverted vee fashion by 120 degrees
only.
> >
> > The G5RV also likes a tuner.
> >
> > The G5RV also like at least 100 feet of coax
> >
> > Bill Coulson
> > Colville, WA
> >
> > ----- Original Message -----
> > From: Phil Bader
> > To: ham-antennas@yahoogroups.com
<mailto:ham-antennas%40yahoogroups.com>
> > Sent: Sunday, March 30, 2008 10:35 AM
> > Subject: [SPAM]Re: [ham-antennas] Re: Optimize G5RV?
> >
> > Well, this eliminates the G5RV as the culprit, since a fellow 3 miles
> > away using the same system was doing alright. Possibilities: Poor
rxvr
> > front end, lossy coax (run ladder line all the way), lossy antenna
> > tuner? Also just to humor me, try laying a wire counterpoise on
ground
> > under the G5RV. Worth a try.
> > Phil B

> > Philip Bader
> > pbader@... <mailto:pbader%40tampabay.rr.com>
> > Amateur call: KI4NUC, Winter Haven, Fl.
> > Member: Lakeland Amateur Radio Club
> > http://www.lakelandarc.org/ <http://www.lakelandarc.org/>
> > Currently: Polk County School Board Electronics
> > Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006
> >
> > ----- Original Message -----
> > From: frostbitnome
> > To: ham-antennas@yahoogroups.com
<mailto:ham-antennas%40yahoogroups.com>
> > Sent: Sunday, March 30, 2008 1:29 PM
> > Subject: [ham-antennas] Re: Optimize G5RV?
> >
> > Yesterday I took the antenna ends up to 15' above ground, so it now
> > has much less slope to the legs, or less angle to the ground.
> > Still performing poorly, no better than it was originally, in fact, I
> > think its noisier. With the 80 meter band "in" last night two hours
> > after dark, a local also with a G5RV three miles from me was working
> > an in-state ham. I could only hear the local, zero copy on the other.
> > Lots of noise (s9+).
> >
> > --- In ham-antennas@yahoogroups.com
> > <mailto:ham-antennas%40yahoogroups.com>, "steve95446" <steve@> wrote:
> > >
> > > Hi,
> > >
> > > The tests I have done show that the G5RV doesn't like being an
> > > inverted V, especially if the ends are that close to the ground.
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> > > As a test, see if raising the ends, perhaps on fibreglass fishing
> > > poles, helps at all.
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> > > All the tests I have done with inverted V G5RVs show that it is
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> > > 3 S points on a resonant half-wave dipole.
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> > > Flat top at 35feet and it gets close to a dipole.
> > >
> > > If you woud like e-mail me and I will let you have the MMANA
modelling
> > > that I have done.
> > >
> > > Steve G0KYA
> > >
> >
> > ---
> >
> > No virus found in this incoming message.

> > Checked by AVG.
> > Version: 7.5.519 / Virus Database: 269.22.1/1349 - Release Date:
> > 3/29/2008 5:02 PM
> >
> > [Non-text portions of this message have been removed]
> >
> > [Non-text portions of this message have been removed]
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> >
>
>
> [Non-text portions of this message have been removed]
>

4541. Re: [ham-antennas] Re:ham-antennas] Re: Optimize G5RV?

Yahoo group: ham-antennas (2008)
Date: 2008-03-31 23:27:01 UTC
From: dave@zievid.com
Topic: 4514 Message: 4541

It sounds to me like you have a RF noise issue at the house, not an antenna problem. Try unplugging everything you can in the house, or turning off breakers one-by-one, to see if it suddenly stops.

The usual culprits are wall wart power supplies, dimmer lamps, florescent fixtures, but it could be almost anything. It could also be outside your house, but coming in via the power lines.

There are a lot of resources on RFI issues and tracking down problem sources. Unfortunately it's sometimes required to make a QTH usable on HF, but it's worth the effort.

Hope this helps - don't give up on your new gear!

73,
- Dave
W6OT

> I have a tuner on it. AT100pro, radio is a Yaesu FT857D. It has 30
> feet of ladder line, then 70 feet of coax (equals 100'...its one of
> Kerry WAWNAN's units...the reviews on eham are stellar)
> I took the antenna down last night and took it to a large open field
> free of any obstructions. It was quiet. It just does not like my house
> location, I guess. It will remain down until I figure out what to do
> next, which may be sell off the brand new HF gear and stay with
> UHF/VHF, where I have been 11 years. I thought my HF upgrade was going
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> --- In ham-antennas@yahoogroups.com, Karl Moll <km654@...> wrote:
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>> Mine is up only 19 ft and the ladder line drops straight for 10 ft and
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>> Bill Coulson wrote:
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>> >
>> > Bill Coulson

>> > Colville, WA
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>> > ----- Original Message -----
>> > From: Phil Bader
>> > To: ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>
>> > Sent: Sunday, March 30, 2008 10:35 AM
>> > Subject: [SPAM]Re: [ham-antennas] Re: Optimize G5RV?
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>> > Well, this eliminates the G5RV as the culprit, since a fellow 3 miles
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>> > front end, lossy coax (run ladder line all the way), lossy antenna
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>> > under the G5RV. Worth a try.
>> > Phil B
>> > Philip Bader
>> > pbader@... <mailto:pbader%40tampabay.rr.com>
>> > Amateur call: KI4NUC, Winter Haven, Fl.
>> > Member: Lakeland Amateur Radio Club
>> > http://www.lakelandarc.org/ <http://www.lakelandarc.org/>
>> > Currently: Polk County School Board Electronics
>> > Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006
>> >
>> > ----- Original Message -----
>> > From: frostbitnome
>> > To: ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>
>> > Sent: Sunday, March 30, 2008 1:29 PM
>> > Subject: [ham-antennas] Re: Optimize G5RV?
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>> > Yesterday I took the antenna ends up to 15' above ground, so it now
>> > has much less slope to the legs, or less angle to the ground.
>> > Still performing poorly, no better than it was originally, in fact, I
>> > think its noisier. With the 80 meter band "in" last night two hours
>> > after dark, a local also with a G5RV three miles from me was working
>> > an in-state ham. I could only hear the local, zero copy on the other.
>> > Lots of noise (s9+).
>> >
>> > --- In ham-antennas@yahoogroups.com
>> > <mailto:ham-antennas%40yahoogroups.com>, "steve95446" <steve@> wrote:
>> > >
>> > > Hi,
>> > >
>> > > The tests I have done show that the G5RV doesn't like being an
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>> > > As a test, see if raising the ends, perhaps on fibreglass fishing
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>> > > 3 S points on a resonant half-wave dipole.
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>> > > Flat top at 35feet and it gets close to a dipole.
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>> > > that I have done.
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>> > > Steve G0KYA
>> > >
>> >
>> > ---
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>> > 3/29/2008 5:02 PM
>> >
>> > [Non-text portions of this message have been removed]
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>> > [Non-text portions of this message have been removed]
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>> [Non-text portions of this message have been removed]
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>
>

4542. Re: [ham-antennas] Coax Question

Yahoo group: ham-antennas (2008)
Date: 2008-04-01 01:55:45 UTC
From: Wayne
Topic: 4537 Message: 4542

Let me see, you are using RG8 for your HF antenna, okay, not a problem,
nor shooulfd the 30 feet coiled up be a problem.
But you say you are using RG58 for VHF/UHF. That is so lossy, that it
loses a lot at only 15 feet or less, especially on the 70 centimeter band.
As an example of losses at 442 MHz, I have tested two seemingly identical
100 foot sections of RG8 from Cable Experts, factory assembled. One, with
60 watts being fed to it at 441.950 MHz, showed maybe 1 watt at the end.
The other was a bit better, about 4 watts.
That gives you an idea of the loss/attenuation of RG8 at UHF frequencies.
RG58 is going to lose far more. You'd have been better to use RG58 on HF
and the RG8 on the VHF/UHF antenna.
YMMV

Wayne WA2YNE

On Mon, 31 Mar 2008 13:23:36 -0500, Ross <N8GMY@...> wrote:

> I have about 30 feet of extra RG8U coax coiled under my desk for HF.
> The total run to the antenna is about 60 feet. I also do this with
> RG58U for my UHF/VHF antenna.
>
> Some people have told me that this is not a problem, while others tell
> me I have created an RF choke that would have a large impact on my
> power. I like to have this spare coax so it allows me flexibility of
> moving my setup around. I have found that I start ending up with
> shorter and shorter coax as I keep cutting it up to serve my different
> purposes.
>
> Ross
> N8GMY
>

--
Using Opera's revolutionary e-mail client: http://www.opera.com/mail/

4543. Re: [ham-antennas] Coax Question

Yahoo group: ham-antennas (2008)
Date: 2008-04-01 02:14:01 UTC
From: Phil Bader
Topic: 4537 Message: 4543

So what would be a practical coax(cost,availability,installation,etc) for
UHF use? RG6 TV coax?
Phil B
Philip Bader
pbader@...
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakelandarc.org/
Currently: Polk County School Board Electronics
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006

----- Original Message -----
From: "Wayne" <wa2yne@...>
To: <ham-antennas@yahoogroups.com>
Sent: Monday, March 31, 2008 9:55 PM
Subject: Re: [ham-antennas] Coax Question

> Let me see, you are using RG8 for your HF antenna, okay, not a problem,
> nor shooulfd the 30 feet coiled up be a problem.
> But you say you are using RG58 for VHF/UHF. That is so lossy, that it
> loses a lot at only 15 feet or less, especially on the 70 centimeter band.
> As an example of losses at 442 MHz, I have tested two seemingly identical
> 100 foot sections of RG8 from Cable Experts, factory assembled. One, with
> 60 watts being fed to it at 441.950 MHz, showed maybe 1 watt at the end.
> The other was a bit better, about 4 watts.
> That gives you an idea of the loss/attenuation of RG8 at UHF frequencies.
> RG58 is going to lose far more. You'd have been better to use RG58 on HF
> and the RG8 on the VHF/UHF antenna.
> YMMV
>
> Wayne WA2YNE
>
>
> On Mon, 31 Mar 2008 13:23:36 -0500, Ross <N8GMY@...> wrote:
>
>> I have about 30 feet of extra RG8U coax coiled under my desk for HF.
>> The total run to the antenna is about 60 feet. I also do this with
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>> Some people have told me that this is not a problem, while others tell
>> me I have created an RF choke that would have a large impact on my
>> power. I like to have this spare coax so it allows me flexibility of
>> moving my setup around. I have found that I start ending up with
>> shorter and shorter coax as I keep cutting it up to serve my different
>> purposes.

>>
>> Ross
>> N8GMY
>>
>
>
>
> --
> Using Opera's revolutionary e-mail client: http://www.opera.com/mail/
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
> to ALL 974 members (as of 11/07/07, and attachments are NOT permitted.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
>
> --
> No virus found in this incoming message.
> Checked by AVG.
> Version: 7.5.519 / Virus Database: 269.22.1/1349 - Release Date: 3/29/2008
> 5:02 PM
>

4544. RE: [ham-antennas] Coax Question

Yahoo group: ham-antennas (2008)
Date: 2008-04-01 04:22:18 UTC
From: James M.(Jim) Geidl
Topic: 4537 Message: 4544

Phil,

You might want to think about any of the big players low loss 8U type coax:
RG/8U, 9913, etc.

Jim, K6JMG
//

> [mailto:ham-antennas@yahoogroups.com] On Behalf Of Phil Bader
> Sent: Monday, March 31, 2008 6:14 PM
> To: ham-antennas@yahoogroups.com
> Subject: Re: [ham-antennas] Coax Question
>
> So what would be a practical
> coax(cost,availability,installation,etc) for UHF use? RG6 TV coax?
> Phil B
> Philip Bader
> pbader@...
> Amateur call: KI4NUC, Winter Haven, Fl.
> Member: Lakeland Amateur Radio Club
> http://www.lakelandarc.org/
> Currently: Polk County School Board Electronics
> Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006
>
>
> ----- Original Message -----
> From: "Wayne" <wa2yne@...>
> To: <ham-antennas@yahoogroups.com>
> Sent: Monday, March 31, 2008 9:55 PM
> Subject: Re: [ham-antennas] Coax Question
>
>
> > Let me see, you are using RG8 for your HF antenna, okay,
> not a problem,
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> > RG58 is going to lose far more. You'd have been better to
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> > YMMV
> >
> > Wayne WA2YNE
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> >> power. I like to have this spare coax so it allows me
> flexibility of
> >> moving my setup around. I have found that I start ending up with
> >> shorter and shorter coax as I keep cutting it up to serve
> my different
> >> purposes.
> >>
> >> Ross
> >> N8GMY

4545. Re: [ham-antennas] Coax Question

Yahoo group: ham-antennas (2008)
Date: 2008-04-01 04:06:03 UTC
From: Leonard K. Pennock
Topic: 4537 Message: 4545

You may want to use this calculator to explore different coax and figure
out how much loss you can live with. <www.ocarc.ca/coax.htm>

Phil Bader wrote:
> So what would be a practical coax(cost,availability,installation,etc) for
> UHF use? RG6 TV coax?
> Phil B
> Philip Bader
> pbader@...
> Amateur call: KI4NUC, Winter Haven, Fl.
> Member: Lakeland Amateur Radio Club
> http://www.lakelandarc.org/
> Currently: Polk County School Board Electronics
> Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006
>

--
Leonard K. Pennock
AD7AS

Those who walk bravely through life, unafraid of loss or failure,
find that they very rarely lose or fail.

4546. Re: [ham-antennas] Coax Question

Yahoo group: ham-antennas (2008)
Date: 2008-04-01 06:47:33 UTC
From: Wayne
Topic: 4537 Message: 4546

It becomes difficult. I used RG8 connected to my J pole, as well as to my 2 meter beam (which also worked on the 440 band). But the loss was acceptable, being as I mainly talked through repeaters.
RG6 would be a fair idea, but you would need adapters, being as connectors other than "F" type are hard to locate for RG6 types. OTOH, it is readily available, but would be low power. I would have to look up the power handling capability of RG6. And remember, RG6 is basically 75 ohm cable, where most radios are designed for 50 ohm cable.
Heliax would be great, but not as inexpensive. OTOH, I bought 100 feet of 7/8" Heliax for about $2.50 per foot, plus "N" connectors at about $20-25 each. PL259 type for Heliax ar even more costly. And heliax is not good for a rotatable beam. You'd need a bit of something readily flexible for that.
RG8 in shorter lengths can do a fairly decent job. Use only the amount needed for the job.
I have been doing some testing for my repeater for temporary use, and found out just how much loss I evidently had. Putting losses in terms of watts in VS watts out shows one far better than simply saying X.xx Db loss per 100 feet at XXX.00 Mhz.
I have been using a Bird 43 Wattmeter and testing into a dummy load made for use up to 500 MHz or so.

Anyway, it is a matter of using what you can at a reasonable cost and accepting the losses that will be involved.
You will maybe get all kinds of suggestions about what cables to use.
If you only need 25 feet from the radio to the antenna, then only use that amount of cable with just enough added length to work comfortably in your situation. I will be cutting part of my RG8 to a shorter length for what I want here, till I get things settled and install part of the Heliax I have. It will have a very low loss compared to the RG8.
YMMV

Wayne WA2YNE
On Mon, 31 Mar 2008 21:14:01 -0500, Phil Bader <PBADER@...>
wrote:

> So what would be a practical coax(cost,availability,installation,etc)
> for
> UHF use? RG6 TV coax?
> Phil B
> Philip Bader
> pbader@...
> Amateur call: KI4NUC, Winter Haven, Fl.
> Member: Lakeland Amateur Radio Club
> http://www.lakelandarc.org/
> Currently: Polk County School Board Electronics

> Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006
>
>
> ----- Original Message -----
> From: "Wayne" <wa2yne@...>
> To: <ham-antennas@yahoogroups.com>
> Sent: Monday, March 31, 2008 9:55 PM
> Subject: Re: [ham-antennas] Coax Question
>
>
>> Let me see, you are using RG8 for your HF antenna, okay, not a problem,
>> nor shooulfd the 30 feet coiled up be a problem.
>> But you say you are using RG58 for VHF/UHF. That is so lossy, that it
>> loses a lot at only 15 feet or less, especially on the 70 centimeter
>> band.
>> As an example of losses at 442 MHz, I have tested two seemingly
>> identical
>> 100 foot sections of RG8 from Cable Experts, factory assembled. One,
>> with
>> 60 watts being fed to it at 441.950 MHz, showed maybe 1 watt at the end.
>> The other was a bit better, about 4 watts.
>> That gives you an idea of the loss/attenuation of RG8 at UHF
>> frequencies.
>> RG58 is going to lose far more. You'd have been better to use RG58 on HF
>> and the RG8 on the VHF/UHF antenna.
>> YMMV
>>
>> Wayne WA2YNE
>>
>>
>> On Mon, 31 Mar 2008 13:23:36 -0500, Ross <N8GMY@...> wrote:
>>
>>> I have about 30 feet of extra RG8U coax coiled under my desk for HF.
>>> The total run to the antenna is about 60 feet. I also do this with
>>> RG58U for my UHF/VHF antenna.
>>>
>>> Some people have told me that this is not a problem, while others tell
>>> me I have created an RF choke that would have a large impact on my
>>> power. I like to have this spare coax so it allows me flexibility of
>>> moving my setup around. I have found that I start ending up with
>>> shorter and shorter coax as I keep cutting it up to serve my different
>>> purposes.
>>>
>>> Ross
>>> N8GMY
>>>
>>
>>
>>
>> --

>> Using Opera's revolutionary e-mail client: http://www.opera.com/mail/
>>
>> ----------
>>
>> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies
>> go
>> to ALL 974 members (as of 11/07/07, and attachments are NOT permitted.
>> Post message: ham-antennas@yahoogroups.com
>> Subscribe: ham-antennas-subscribe@yahoogroups.com
>> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
>> List owner: ham-antennas-owner@yahoogroups.com
>> Yahoo! Groups Links
>>
>>
>>
>>
>> --
>> No virus found in this incoming message.
>> Checked by AVG.
>> Version: 7.5.519 / Virus Database: 269.22.1/1349 - Release Date:
>> 3/29/2008
>> 5:02 PM
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> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>

--
Using Opera's revolutionary e-mail client: http://www.opera.com/mail/

4547. Re: [ham-antennas] Coax Question

Yahoo group: ham-antennas (2008)
Date: 2008-04-01 10:21:11 UTC
From: Phil Bader
Topic: 4537 Message: 4547

All good info-Thanks,all.
My background is consumer electronics and home Tv antenna systems. Here's a radical alternative: I know the old "flat lead" 300 ohm was wonderful for UHF TV reception,as it was very low loss,tho it took special installation. How bout with a long run, use 300 or 400 ohm flat line for the long UHF run out the shack and up the tower, with a balun up top to convert back to 50 ohms for the antenna with a short coax. Practically no loss compared to coax, and the recieve should have negligable losses, too. Not as "neat" as coax.
Phil B
Philip Bader
pbader@...
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakelandarc.org/
Currently: Polk County School Board Electronics
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006

----- Original Message -----
From: James M.(Jim) Geidl
To: ham-antennas@yahoogroups.com
Sent: Tuesday, April 01, 2008 12:22 AM
Subject: RE: [ham-antennas] Coax Question

Phil,

You might want to think about any of the big players low loss 8U type coax:
RG/8U, 9913, etc.

Jim, K6JMG
//

> [mailto:ham-antennas@yahoogroups.com] On Behalf Of Phil Bader
> Sent: Monday, March 31, 2008 6:14 PM
> To: ham-antennas@yahoogroups.com
> Subject: Re: [ham-antennas] Coax Question
>
> So what would be a practical
> coax(cost,availability,installation,etc) for UHF use? RG6 TV coax?
> Phil B
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> Currently: Polk County School Board Electronics
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>

>
> ----- Original Message -----
> From: "Wayne" <wa2yne@...>
> To: <ham-antennas@yahoogroups.com>
> Sent: Monday, March 31, 2008 9:55 PM
> Subject: Re: [ham-antennas] Coax Question
>
>
> > Let me see, you are using RG8 for your HF antenna, okay,
> not a problem,
> > nor shooulfd the 30 feet coiled up be a problem.
> > But you say you are using RG58 for VHF/UHF. That is so
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> centimeter band.
> > As an example of losses at 442 MHz, I have tested two
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> > The other was a bit better, about 4 watts.
> > That gives you an idea of the loss/attenuation of RG8 at
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> > RG58 is going to lose far more. You'd have been better to
> use RG58 on HF
> > and the RG8 on the VHF/UHF antenna.
> > YMMV
> >
> > Wayne WA2YNE
> >
> >
> > On Mon, 31 Mar 2008 13:23:36 -0500, Ross <N8GMY@...> wrote:
> >
> >> I have about 30 feet of extra RG8U coax coiled under my
> desk for HF.
> >> The total run to the antenna is about 60 feet. I also do this with
> >> RG58U for my UHF/VHF antenna.
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> >> Some people have told me that this is not a problem, while
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> >> me I have created an RF choke that would have a large impact on my
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> >> moving my setup around. I have found that I start ending up with
> >> shorter and shorter coax as I keep cutting it up to serve
> my different
> >> purposes.
> >>
> >> Ross

> >> N8GMY

No virus found in this incoming message.
Checked by AVG.
Version: 7.5.519 / Virus Database: 269.22.1/1349 - Release Date: 3/29/2008 5:02 PM

[Non-text portions of this message have been removed]

4548. Re: [ham-antennas] Coax Question

Yahoo group: ham-antennas (2008)
Date: 2008-04-01 10:29:00 UTC
From: Phil Bader
Topic: 4537 Message: 4548

P.S: One would have to use another balun at the txcvr to convert the line back to 50 ohms in the shack. I don't know if the two baluns' losses would offset doing this open line. Maybe someone would know?
Phil
Phil B
Philip Bader
pbader@...
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakelandarc.org/
Currently: Polk County School Board Electronics
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006

----- Original Message -----
From: Phil Bader
To: ham-antennas@yahoogroups.com
Sent: Tuesday, April 01, 2008 6:21 AM
Subject: Re: [ham-antennas] Coax Question

All good info-Thanks,all.
My background is consumer electronics and home Tv antenna systems. Here's a radical alternative: I know the old "flat lead" 300 ohm was wonderful for UHF TV reception,as it was very low loss,tho it took special installation. How bout with a long run, use 300 or 400 ohm flat line for the long UHF run out the shack and up the tower, with a balun up top to convert back to 50 ohms for the antenna with a short coax. Practically no loss compared to coax, and the recieve should have negligable losses, too. Not as "neat" as coax.
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Philip Bader
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Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakelandarc.org/
Currently: Polk County School Board Electronics
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006

----- Original Message -----
From: James M.(Jim) Geidl
To: ham-antennas@yahoogroups.com
Sent: Tuesday, April 01, 2008 12:22 AM
Subject: RE: [ham-antennas] Coax Question

Phil,

You might want to think about any of the big players low loss 8U type coax:
RG/8U, 9913, etc.

Jim, K6JMG
//

> [mailto:ham-antennas@yahoogroups.com] On Behalf Of Phil Bader
> Sent: Monday, March 31, 2008 6:14 PM
> To: ham-antennas@yahoogroups.com
> Subject: Re: [ham-antennas] Coax Question
>
> So what would be a practical
> coax(cost,availability,installation,etc) for UHF use? RG6 TV coax?
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> http://www.lakelandarc.org/
> Currently: Polk County School Board Electronics
> Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006
>
>
> ----- Original Message -----
> From: "Wayne" <wa2yne@...>
> To: <ham-antennas@yahoogroups.com>
> Sent: Monday, March 31, 2008 9:55 PM
> Subject: Re: [ham-antennas] Coax Question
>
>
> > Let me see, you are using RG8 for your HF antenna, okay,
> not a problem,
> > nor shooulfd the 30 feet coiled up be a problem.
> > But you say you are using RG58 for VHF/UHF. That is so
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> > As an example of losses at 442 MHz, I have tested two
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> UHF frequencies.
> > RG58 is going to lose far more. You'd have been better to
> use RG58 on HF
> > and the RG8 on the VHF/UHF antenna.
> > YMMV
> >
> > Wayne WA2YNE
> >
> >

> > On Mon, 31 Mar 2008 13:23:36 -0500, Ross <N8GMY@...> wrote:
> >
> >> I have about 30 feet of extra RG8U coax coiled under my
> desk for HF.
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> >> N8GMY

No virus found in this incoming message.
Checked by AVG.
Version: 7.5.519 / Virus Database: 269.22.1/1349 - Release Date: 3/29/2008 5:02 PM

[Non-text portions of this message have been removed]

No virus found in this incoming message.
Checked by AVG.
Version: 7.5.519 / Virus Database: 269.22.1/1349 - Release Date: 3/29/2008 5:02 PM

[Non-text portions of this message have been removed]

4549. Re: [ham-antennas] Coax Question

Yahoo group: ham-antennas (2008)
Date: 2008-04-01 13:45:15 UTC
From: danny garvin
Topic: 4537 Message: 4549

About 30 plus years ago I did that using what they called "color tv antenna wire" which was 300 ohm twin lead with a foil sheld. Then I built a coax balun for each end and used it on my two meter beam that I had up at the time it worked great. I had this up for a cople of years with no problems.
Danny
WB9RIM

----- Original Message ----
From: Phil Bader <PBADER@...>
To: ham-antennas@yahoogroups.com
Sent: Tuesday, April 1, 2008 5:29:00 AM
Subject: Re: [ham-antennas] Coax Question

P.S: One would have to use another balun at the txcvr to convert the line back to 50 ohms in the shack. I don't know if the two baluns' losses would offset doing this open line. Maybe someone would know?
Phil
Phil B
Philip Bader
pbader@tampabay. rr.com
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakeland arc.org/
Currently: Polk County School Board Electronics
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006

----- Original Message -----
From: Phil Bader
To: ham-antennas@ yahoogroups. com
Sent: Tuesday, April 01, 2008 6:21 AM
Subject: Re: [ham-antennas] Coax Question

All good info-Thanks, all.
My background is consumer electronics and home Tv antenna systems. Here's a radical alternative: I know the old "flat lead" 300 ohm was wonderful for UHF TV reception,as it was very low loss,tho it took special installation. How bout with a long run, use 300 or 400 ohm flat line for the long UHF run out the shack and up the tower, with a balun up top to convert back to 50 ohms for the antenna with a short coax. Practically no loss compared to coax, and the recieve should have negligable losses, too. Not as "neat" as coax.
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Philip Bader
pbader@tampabay. rr.com
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakeland arc.org/
Currently: Polk County School Board Electronics

Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006

----- Original Message -----
From: James M.(Jim) Geidl
To: ham-antennas@ yahoogroups. com
Sent: Tuesday, April 01, 2008 12:22 AM
Subject: RE: [ham-antennas] Coax Question

Phil,

You might want to think about any of the big players low loss 8U type coax:
RG/8U, 9913, etc.

Jim, K6JMG
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> [mailto:ham-antennas@ yahoogroups. com] On Behalf Of Phil Bader
> Sent: Monday, March 31, 2008 6:14 PM
> To: ham-antennas@ yahoogroups. com
> Subject: Re: [ham-antennas] Coax Question
>
> So what would be a practical
> coax(cost,availabil ity,installation ,etc) for UHF use? RG6 TV coax?
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> Philip Bader
> pbader@tampabay. rr.com
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> http://www.lakeland arc.org/
> Currently: Polk County School Board Electronics
> Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006
>
>
> ----- Original Message -----
> From: "Wayne" <wa2yne@gmail. com>
> To: <ham-antennas@ yahoogroups. com>
> Sent: Monday, March 31, 2008 9:55 PM
> Subject: Re: [ham-antennas] Coax Question
>
>
> > Let me see, you are using RG8 for your HF antenna, okay,
> not a problem,
> > nor shooulfd the 30 feet coiled up be a problem.
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> > As an example of losses at 442 MHz, I have tested two
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> > RG58 is going to lose far more. You'd have been better to
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> > and the RG8 on the VHF/UHF antenna.
> > YMMV
> >
> > Wayne WA2YNE
> >
> >
> > On Mon, 31 Mar 2008 13:23:36 -0500, Ross <N8GMY@...> wrote:
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--- --- --- --- --- --- -

No virus found in this incoming message.
Checked by AVG.
Version: 7.5.519 / Virus Database: 269.22.1/1349 - Release Date: 3/29/2008 5:02 PM

[Non-text portions of this message have been removed]

--- --- --- --- --- --- -

No virus found in this incoming message.
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Version: 7.5.519 / Virus Database: 269.22.1/1349 - Release Date: 3/29/2008 5:02 PM

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

4550. Re: [ham-antennas] Coax Question

Yahoo group: ham-antennas (2008)
Date: 2008-04-01 18:02:39 UTC
From: Wayne
Topic: 4537 Message: 4550

Doing a bit of searching gives me a better handle on the possible losses.
In what is considered RG8 type coax, Belden 9913 and LMR 400 are the two lowest.
This is figuring 100 feet and an SWR of 1.5 to 1 at 450 MHz.
RG6, while lower loss than RG58, does not fare as well at that lengrh.
1/2" heliax is even better. The latter can be bought for $1.45 per foot, however, UHF (PL259 type) connectors will run aabout $45.00 each. "N" connectors will run about $14.00 each. To calculate cable losses, see:
<http://www.ocarc.ca/coax.htm>
The Heliax is available from: <http://www.surpluscoax.com/index.html>
Note that it is advisable to buy the connectors at the same time that you buy the cable.
And connectors tend to be specific for each type of heliax/hardline.
Even some of the "regular" coaxial cables may require a special connector.
I had a bear of a time putting PL259's on some 9913F7, as the center conductor is stranded, and is actually a bit too large to fit the center pin.

As I said before, calculate possible losses, and figure that the amount/percentage of loss on TX is also a clue to the loss on receive. The lower the loss, the better.
A numer of repeaters are mounted in cabinets on the tower the antenna is on to keep the feedline losses down.
With virtually any type of coaxial cable, the shorter the run, the better.
This means, on 2 meters and higher, do not use much more than 5 feet above the length needed to keep losses to a minimum.
On HF, ten meters and below, the loss is not enough to make a huge difference. But what yu might need to think about is the amountof powr the cable can handle. While RG58 can handle 100 to 150 or 200 watts on HF, 500 watts or more could cause some serious problems. Center conductor getting warm enough to start melting the insulation, and this in turn creates more problems. At 100 to maybe 120 watts (the average for most HF transceivers, depending on the supply voltage) RG58 is no problem I have used RG58, as well as Mini 8, also called 8X, and am presently using RG 8 mainly because I had it handy when I put the antenna up here. But I am thinking about taking it down and using another chunk of cable so I can test that chunk on the 440 band.
I have a 2 element beam for 2 meters up, and it has maybe 50 feet of 9913 F7 running to it.
Loss acceptable for that band.
You do need to calculate for the brand of cable, as well as the type. But unbranded cable can be an unknown. The Cable Experts that I have only says cable Experts type RG8/U and is not found on tha calculators out there.
And I see a good deal of difference in loss between two supposedly idenitcal cables.

Once again, calculate your losses and take it from there.

Wayne WA2YNE
Imperial, Tejas

On Mon, 31 Mar 2008 23:22:18 -0500, James M.(Jim) Geidl
<jgeidl@...> wrote:

> Phil,
>
> You might want to think about any of the big players low loss 8U type
> coax:
> RG/8U, 9913, etc.
>
> Jim, K6JMG
> //
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>> [mailto:ham-antennas@yahoogroups.com] On Behalf Of Phil Bader
>> Sent: Monday, March 31, 2008 6:14 PM
>> To: ham-antennas@yahoogroups.com
>> Subject: Re: [ham-antennas] Coax Question
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>> Currently: Polk County School Board Electronics
>> Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006
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>> ----- Original Message -----
>> From: "Wayne" <wa2yne@...>
>> To: <ham-antennas@yahoogroups.com>
>> Sent: Monday, March 31, 2008 9:55 PM
>> Subject: Re: [ham-antennas] Coax Question
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Using Opera's revolutionary e-mail client: http://www.opera.com/mail/

4551. Re: [ham-antennas] Coax Question

Yahoo group: ham-antennas (2008)
Date: 2008-04-01 18:34:12 UTC
From: Leonard K. Pennock
Topic: 4537 Message: 4551

N to UHF adapters are much less than the difference in price. my 2 cents.

Wayne wrote:

> however, UHF (PL259 type) connectors will run aabout $45.00 each. "N"
> connectors will run about $14.00 each.

--
Leonard K. Pennock
AD7AS

Those who walk bravely through life, unafraid of loss or failure,
find that they very rarely lose or fail.

4552. Re: [ham-antennas] Coax Question

Yahoo group: ham-antennas (2008)
Date: 2008-04-01 18:51:02 UTC
From: Andy
Topic: 4537 Message: 4552

Shielded 300 ohm twinlead has some pros and cons compared to ordinary unshielded twinlead.

Unshielded twinlead, when dry, is theoretically better because much of the dielectric is air. Air is very low-loss. Ladderline is even better. Shielded twinlead confines the energy to plastic instead of air, so it is somewhat higher loss.

On the other hand, shielded twinlead can be better than unshielded in that the loss doesn't go up when it gets wet (assuming that the moisture stays out of its insides). And it is easier to install, no need to worry about running past metal.

Andy

4553. Re: [ham-antennas] Coax Question

Yahoo group: ham-antennas (2008)
Date: 2008-04-01 20:49:55 UTC
From: NS5B@comcast.net
Topic: 4537 Message: 4553

How did this turn out, and what figures did you come up with?

P-in vs P-out? Was it a "reasonable" loss, or was it more/less than you thought?

Steve, NS5B

> I have been doing some testing for my repeater for temporary use, and
> found out just how much loss I evidently had. Putting losses in terms of
> watts in VS watts out shows one far better than simply saying X.xx Db
> loss per 100 feet at XXX.00 Mhz.
> I have been using a Bird 43 Wattmeter and testing into a dummy load made
> for use up to 500 MHz or so.

[Non-text portions of this message have been removed]

4554. Re: [ham-antennas] Coax Question

Yahoo group: ham-antennas (2008)
Date: 2008-04-01 22:31:13 UTC
From: Phil Bader
Topic: 4537 Message: 4554

With the traditional 300 ohm "TV" twin lead,(or any unshielded twin lead) it does require some special handling. You use stand off insulators to hold it in place going down the mast, staying away from metal. You want the lead to have a twist to it, usually about one revolution per 1-2 feet. This tends to null any signal hitting the downlead directly. With TV,(and FM broadcast) it helps cure "multipath", where a station's signal hits the lead and the antenna, and hits the reciever a few microseconds apart. I guess, the whole thing with any transmission line is a trade off:Does using the extra coax get the antenna heigth high enough that the increased signal strength offsets the line loss to acheive it.
Best,
Phil B
Philip Bader
pbader@...
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakelandarc.org/
Currently: Polk County School Board Electronics
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006

----- Original Message -----
From: Andy
To: ham-antennas@yahoogroups.com
Sent: Tuesday, April 01, 2008 2:51 PM
Subject: Re: [ham-antennas] Coax Question

Shielded 300 ohm twinlead has some pros and cons compared to ordinary unshielded twinlead.

Unshielded twinlead, when dry, is theoretically better because much of the dielectric is air. Air is very low-loss. Ladderline is even better. Shielded twinlead confines the energy to plastic instead of air, so it is somewhat higher loss.

On the other hand, shielded twinlead can be better than unshielded in that the loss doesn't go up when it gets wet (assuming that the moisture stays out of its insides). And it is easier to install, no need to worry about running past metal.

Andy

No virus found in this incoming message.
Checked by AVG.
Version: 7.5.519 / Virus Database: 269.22.4/1355 - Release Date: 4/1/2008 5:37 PM

[Non-text portions of this message have been removed]

4555. Re: [ham-antennas] Coax Question

Yahoo group: ham-antennas (2008)
Date: 2008-04-02 02:56:18 UTC
From: Wayne
Topic: 4537 Message: 4555

True, the most common adapter being N male on one end and UHF female on the other.
I have been using one on my dummy load for years.
But they are not as easy to find as other items at times.
And not to be found at your local CB/Truckstop place, ah ha ha.
But can be found if one searches. Radio Shack stores used to carry the N Male UHF female, but many rat shacks are carrying less and less. Items in stock vary a lot from one store to another.

yes, it would be a lot cheaper, if buying Heliax, to buy the N connectors and use adapters as needed.
My dual band Diamond X510NJ has the N connector, though due to the base of the antenna being a bit too small, I had to install a short 1/2 heliax jumper, and will connect that to the 7/8" using a double female. I stocked up on these items from Ebay, at a reasonable price. 7/8" Heliax connectors are massive, so cannot be used directly in some instances. But those for 1/2" heliax should fit most antennas.
I plan for as low a loss as possible to get the best range possible.

BTW, the Amateur Radio handbooks used to have information showing how to install coax connectors, including N and BNC types. This was basically for RG8 and RG58 type cable.

Also, N connectors are supposed to be lower loss than UHF connectors at higher frequencies.
I should put a picture of the end of my 7/8" heliax on the groups photos so people can see what the construction is like. Shielding it 100%, being as it is a sort of corrugated copper tubing, and with the larger sizes, the center conductor is actually tubing. The center pin for the Heliax N connectors actually threads into the center conductor. No soldering or crimpng...

Wayne WA2YNE
Imperial, Tejas

On Tue, 01 Apr 2008 13:34:12 -0500, Leonard K. Pennock
<leonardpennock@...> wrote:

> N to UHF adapters are much less than the difference in price. my 2 cents.
>
> Wayne wrote:
>
>> however, UHF (PL259 type) connectors will run aabout $45.00 each. "N"
>> connectors will run about $14.00 each.
>

--
Using Opera's revolutionary e-mail client: http://www.opera.com/mail/

4556. Re: [ham-antennas] Coax Question

Yahoo group: ham-antennas (2008)
Date: 2008-04-02 03:41:55 UTC
From: Wayne
Topic: 4537 Message: 4556

The loss with the particular RG8 coax is greater than I had thought.
Actually, one piece is so bad that it is pathetic. The other is useable, though still higher than I had anticipated.
Going by the calculator, it has greater loss than RG8X/Mini 8.
Not all coax is as good as it supposedly should be.
When I cut the one chunk, I will be putting an N connector on the cut end.
I had posted about the loss with Cable experts RG8, and found that others have had poor results. In one instance, it was because the connector had been badly installed.
At any rate, I will never buy any of their cable again
Power in VS power out shows a horrible loss compared with what it should be.
Should be about 70 watts in, and getting about 3.5 watts out at this point with the better of the two cables. I may use it for HF only once I get my Heliax installed...
hate to waste an N connector on the stuff.
I could use some 9913F7 I have, but there is a potential noise problem running full duplex with This type of cable (foil inner shield and braided outer shield).
YMMV

Wayne WA2YNE

On Tue, 01 Apr 2008 15:49:55 -0500, <NS5B@...> wrote:

> How did this turn out, and what figures did you come up with?
>
> P-in vs P-out? Was it a "reasonable" loss, or was it more/less than you
> thought?
>
> Steve, NS5B
>
>> I have been doing some testing for my repeater for temporary use, and
>> found out just how much loss I evidently had. Putting losses in terms of
>> watts in VS watts out shows one far better than simply saying X.xx Db
>> loss per 100 feet at XXX.00 Mhz.
>> I have been using a Bird 43 Wattmeter and testing into a dummy load made
>> for use up to 500 MHz or so.
>
> [Non-text portions of this message have been removed]
>

--
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4557. Re: [ham-antennas] Re:ham-antennas] Re: Optimize G5RV?

Yahoo group: ham-antennas (2008)
Date: 2008-04-01 00:59:59 UTC
From: David Stidham
Topic: 4514 Message: 4557

must have wrong david i never asked this question
73 david
ke4ozr

----- Original Message ----
From: "dave@..." <dave@...>
To: ham-antennas@yahoogroups.com
Sent: Monday, March 31, 2008 7:27:01 PM
Subject: Re: [ham-antennas] Re:ham-antennas] Re: Optimize G5RV?

It sounds to me like you have a RF noise issue at the house, not an antenna problem. Try unplugging everything you can in the house, or turning off breakers one-by-one, to see if it suddenly stops.

The usual culprits are wall wart power supplies, dimmer lamps, florescent fixtures, but it could be almost anything. It could also be outside your house, but coming in via the power lines.

There are a lot of resources on RFI issues and tracking down problem sources. Unfortunately it's sometimes required to make a QTH usable on HF, but it's worth the effort.

Hope this helps - don't give up on your new gear!

73,
- Dave
W6OT

> I have a tuner on it. AT100pro, radio is a Yaesu FT857D. It has 30
> feet of ladder line, then 70 feet of coax (equals 100'...its one of
> Kerry WAWNAN's units...the reviews on eham are stellar)
> I took the antenna down last night and took it to a large open field
> free of any obstructions. It was quiet. It just does not like my house
> location, I guess. It will remain down until I figure out what to do
> next, which may be sell off the brand new HF gear and stay with
> UHF/VHF, where I have been 11 years. I thought my HF upgrade was going
> to be fun...not the case.
>
> --- In ham-antennas@ yahoogroups. com, Karl Moll <km654@...> wrote:
>>
>> Mine is up only 19 ft and the ladder line drops straight for 10 ft and
>> then loops twice before reaching the coax. It works great.
>>
>> Bill Coulson wrote:
>> >
>> > A G5RV has to be up at least 32.6 feet so the 450 ohm ladder line is
>> > suspened 90 degrees from the 102 feet horizontal line.

>> >
>> > The G5RV likes to be bent down inverted vee fashion by 120 degrees
> only.
>> >
>> > The G5RV also likes a tuner.
>> >
>> > The G5RV also like at least 100 feet of coax
>> >
>> > Bill Coulson
>> > Colville, WA
>> >
>> > ----- Original Message -----
>> > From: Phil Bader
>> > To: ham-antennas@ yahoogroups. com
> <mailto:ham- antennas% 40yahoogroups. com>
>> > Sent: Sunday, March 30, 2008 10:35 AM
>> > Subject: [SPAM]Re: [ham-antennas] Re: Optimize G5RV?
>> >
>> > Well, this eliminates the G5RV as the culprit, since a fellow 3 miles
>> > away using the same system was doing alright. Possibilities: Poor
> rxvr
>> > front end, lossy coax (run ladder line all the way), lossy antenna
>> > tuner? Also just to humor me, try laying a wire counterpoise on
> ground
>> > under the G5RV. Worth a try.
>> > Phil B
>> > Philip Bader
>> > pbader@... <mailto:pbader% 40tampabay. rr.com>
>> > Amateur call: KI4NUC, Winter Haven, Fl.
>> > Member: Lakeland Amateur Radio Club
>> > http://www.lakeland arc.org/ <http://www.lakeland arc.org/>
>> > Currently: Polk County School Board Electronics
>> > Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006
>> >
>> > ----- Original Message -----
>> > From: frostbitnome
>> > To: ham-antennas@ yahoogroups. com
> <mailto:ham- antennas% 40yahoogroups. com>
>> > Sent: Sunday, March 30, 2008 1:29 PM
>> > Subject: [ham-antennas] Re: Optimize G5RV?
>> >
>> > Yesterday I took the antenna ends up to 15' above ground, so it now
>> > has much less slope to the legs, or less angle to the ground.
>> > Still performing poorly, no better than it was originally, in fact, I
>> > think its noisier. With the 80 meter band "in" last night two hours
>> > after dark, a local also with a G5RV three miles from me was working
>> > an in-state ham. I could only hear the local, zero copy on the other.
>> > Lots of noise (s9+).
>> >
>> > --- In ham-antennas@ yahoogroups. com

>> > <mailto:ham- antennas% 40yahoogroups. com>, "steve95446" <steve@> wrote:
>> > >
>> > > Hi,
>> > >
>> > > The tests I have done show that the G5RV doesn't like being an
>> > > inverted V, especially if the ends are that close to the ground.
>> > >
>> > > As a test, see if raising the ends, perhaps on fibreglass fishing
>> > > poles, helps at all.
>> > >
>> > > All the tests I have done with inverted V G5RVs show that it is
> down 1-
>> > > 3 S points on a resonant half-wave dipole.
>> > >
>> > > Flat top at 35feet and it gets close to a dipole.
>> > >
>> > > If you woud like e-mail me and I will let you have the MMANA
> modelling
>> > > that I have done.
>> > >
>> > > Steve G0KYA
>> > >
>> >
>> > ------------ --------- --------- --------- --------- --------- -
>> >
>> > No virus found in this incoming message.
>> > Checked by AVG.
>> > Version: 7.5.519 / Virus Database: 269.22.1/1349 - Release Date:
>> > 3/29/2008 5:02 PM
>> >
>> > [Non-text portions of this message have been removed]
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>> > [Non-text portions of this message have been removed]
>> >
>> >
>>
>>
>> [Non-text portions of this message have been removed]
>>
>
>
>

Special deal for Yahoo! users & friends - No Cost. Get a month of Blockbuster Total Access now
http://tc.deals.yahoo.com/tc/blockbuster/text3.com

[Non-text portions of this message have been removed]

4558. hairpin matching

Yahoo group: ham-antennas (2008)
Date: 2008-04-03 01:40:51 UTC
From: drbob92031
Topic: 4558 Message: 4558

hi guys & gals

I have to pick your braims. Tell me all you can about hair pin matcgibg
devices. I am using a home brew vert for 40m.20m,15m.&10m.
Any help would be greatly appreciated.
Thanking you in advance,
73's de wa2eaw...bob

4559. Coax strippers

Yahoo group: ham-antennas (2008)
Date: 2008-04-03 09:13:48 UTC
From: Dick Williams
Topic: 4559 Message: 4559

I've been toying with the idea of purchasing coax strippers (rotary type) and I would be interested hearing from people that have used these tools, as well as a recommendation for a particular brand.

73

Rich
KB3OMJ

4560. Re: Coax strippers

Yahoo group: ham-antennas (2008)
Date: 2008-04-04 01:50:03 UTC
From: james27613
Topic: 4559 Message: 4560

hi rich,

I like the ut-8000 from cablematic

more info here

http://www.eham.net/articles/5071

73 james ke4drn

4561. Putting up 2nd Dipole - Different direction/orientation

Yahoo group: ham-antennas (2008)
Date: 2008-04-04 21:51:44 UTC
From: John P.
Topic: 4561 Message: 4561

I currently have a fan dipole (75, 40, & 20 meters) that is up about 35-40 feet and broadside East-West.

I am planning to put up a second fan dipole (20, 15 meters) with a North-South broadside.

My question is locating the dipole with respect to the existing dipole.

Due to limitations on where I can place it (trees for support, feed line distance from house, etc.) I am thinking of putting it below (about 10 feet) the existing dipole. I realize that there is some interaction. I am wondering what others have discovered from their experiences. Also can it be directly below the existing dipole or what. How close is too close.

Thanks

You rock. That's why Blockbuster's offering you one month of Blockbuster Total Access, No Cost.

[Non-text portions of this message have been removed]

4562. (no subject)

Yahoo group: ham-antennas (2008)
Date: 2008-04-04 22:07:05 UTC
From: James Fogg
Topic: 4562 Message: 4562

Hi all-

I'm a ham returning after allowing my license to lapse. I've been away for a while. This is my first time licensed as a General (former Tech).

My interests this time around are HF propagation and wire antennas.

I'm getting ready to build a fan dipole, but until then I'm using an indoor random wire for receive-only, with a old Kenwood TS-530S.

My question:
Where are we in the solar cycle? I can't seem to find out. My question stems from what appears to be weak reception on the TS-530S. I'm sure an indoor random isn't a good solution, but I remember finding more signals with a random wire and old tube SWL radios years ago.

-de KB1QFF

4563. Re: [ham-antennas]

Yahoo group: ham-antennas (2008)
Date: 2008-04-04 22:15:53 UTC
From: Commander John
Topic: 4562 Message: 4563

We are at the very bottom of the 11 year cycle.
john w9zy

vvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvv

James Fogg <james@...> wrote:
Hi all-

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for a while. This is my first time licensed as a General (former Tech).

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I'm getting ready to build a fan dipole, but until then I'm using an
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My question:
Where are we in the solar cycle? I can't seem to find out. My question
stems from what appears to be weak reception on the TS-530S. I'm sure an
indoor random isn't a good solution, but I remember finding more signals
with a random wire and old tube SWL radios years ago.

-de KB1QFF

W9ZY
.... Commander John ....

[Non-text portions of this message have been removed]

4564. Re: [ham-antennas]

Yahoo group: ham-antennas (2008)
Date: 2008-04-04 22:21:50 UTC
From: W5CPT
Topic: 4564 Message: 4564

Depending on who you listen to, we are either at the very bottom or just climbing out of the very bottom. My take (totally unscientific) is the latter. Signals seem to be a little better now than they were this time last year.

BTW - with that call I can guess you are not a CW Contester - wow what a keyfull that is .

Clint - W5CPT

----- Original Message -----
From: James Fogg
To: ham-antennas@yahoogroups.com
Sent: Friday, April 04, 2008 5:07 PM
Subject: [ham-antennas]

Hi all-

I'm a ham returning after allowing my license to lapse. I've been away for a while. This is my first time licensed as a General (former Tech).

My interests this time around are HF propagation and wire antennas.

I'm getting ready to build a fan dipole, but until then I'm using an indoor random wire for receive-only, with a old Kenwood TS-530S.

My question:
Where are we in the solar cycle? I can't seem to find out. My question stems from what appears to be weak reception on the TS-530S. I'm sure an indoor random isn't a good solution, but I remember finding more signals with a random wire and old tube SWL radios years ago.

-de KB1QFF

[Non-text portions of this message have been removed]

4565. Re: [ham-antennas]

Yahoo group: ham-antennas (2008)
Date: 2008-04-04 22:29:58 UTC
From: Mark, KJ7BS
Topic: 4562 Message: 4565

James,

We are at the transition point between cycle 23 and cycle 24. We have long periods, 30 days or more, of no sun spots and the SFI hovers around 70. By all reports, we shoud begin seeing sun spots from cycle 24 someting this fall and by the summer of 2009, we should begin seeing increasing numbers of sunspots with a corresponding increase in SFI and propagation improvements.

I use SpaceWeather.com http://www.spaceweather.com to check daily sunspot numbers.

A program for your computer, VOAProp, originally developed as a propagation prediction tool for Voice of America, is usefuld to see where propagation is likely to go for any given month. It has power levels reflecting amateru radio limits, QRP to Legal Limit.

Eventhough we are at solar minimum, there is lots of good DX to be had. This past tuesday, I worked SY8JZ, Mount Athos, Greece, from Arizona running 100w and a vertical.

Welcome back and be patient, better times are coming.
--
Mark, KJ7BS
Glendale, AZ
Editor, The SKCC Centurion
Elecraft K2 S/N 0539
Fists # 2972 CC 1806
SKCC # 2240 C56 T20
MQFD # 128
QRP-ARCI # 12647
AZ ScQRPions
COGRC Emergency Communications

---- James Fogg <james@...> wrote:

==========
Hi all-

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-de KB1QFF

4566. Re: [ham-antennas] Putting up 2nd Dipole - Different direction/orientation

Yahoo group: ham-antennas (2008)
Date: 2008-04-04 22:36:25 UTC
From: Phil Bader
Topic: 4561 Message: 4566

You are indicating you intend on placing the new dipole at a right angle to the original,os I would imagine there will be much less interaction than if they were paralleled. Maybe some retuning?
Phil B
Philip Bader
pbader@...
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakelandarc.org/
Currently: Polk County School Board Electronics
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006

----- Original Message -----
From: John P.
To: ham-antennas@yahoogroups.com ; HamRadioAntenna@yahoogroups.com
Sent: Friday, April 04, 2008 5:51 PM
Subject: [ham-antennas] Putting up 2nd Dipole - Different direction/orientation

I currently have a fan dipole (75, 40, & 20 meters) that is up about 35-40 feet and broadside East-West.

I am planning to put up a second fan dipole (20, 15 meters) with a North-South broadside.

My question is locating the dipole with respect to the existing dipole.

Due to limitations on where I can place it (trees for support, feed line distance from house, etc.) I am thinking of putting it below (about 10 feet) the existing dipole. I realize that there is some interaction. I am wondering what others have discovered from their experiences. Also can it be directly below the existing dipole or what. How close is too close.

Thanks

You rock. That's why Blockbuster's offering you one month of Blockbuster Total Access, No Cost.

[Non-text portions of this message have been removed]

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Version: 7.5.519 / Virus Database: 269.22.5/1359 - Release Date: 4/4/2008 8:23 AM

[Non-text portions of this message have been removed]

4567. Re: [ham-antennas]

Yahoo group: ham-antennas (2008)
Date: 2008-04-04 22:44:34 UTC
From: Phil Bader
Topic: 4567 Message: 4567

Some nice links:
http://prop.hfradio.org/
http://solar.spacew.com/www/160pred.html
http://www.n0hr.com/radio_propagation.htm
Phil B
Philip Bader
pbader@...
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakelandarc.org/
Currently: Polk County School Board Electronics
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006

----- Original Message -----
From: James Fogg
To: ham-antennas@yahoogroups.com
Sent: Friday, April 04, 2008 6:07 PM
Subject: [ham-antennas]

Hi all-

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for a while. This is my first time licensed as a General (former Tech).

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I'm getting ready to build a fan dipole, but until then I'm using an
indoor random wire for receive-only, with a old Kenwood TS-530S.

My question:
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stems from what appears to be weak reception on the TS-530S. I'm sure an
indoor random isn't a good solution, but I remember finding more signals
with a random wire and old tube SWL radios years ago.

-de KB1QFF

No virus found in this incoming message.
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Version: 7.5.519 / Virus Database: 269.22.5/1359 - Release Date: 4/4/2008 8:23 AM

[Non-text portions of this message have been removed]

4568. RE: [ham-antennas] Putting up 2nd Dipole - Different direction/orientation

Yahoo group: ham-antennas (2008)
Date: 2008-04-04 23:05:10 UTC
From: Callum M0MCX
Topic: 4561 Message: 4568

John,

My experiments demonstrate that dipoles that are 90 degrees to each other hardly see each other.

I'd say that you are safe to build it.

Can you put up something temporary to check before building something more robust?

Cheers,

Callum McCormick

http://www.m0mcx.co.uk/

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of John P.
Sent: 04 April 2008 22:52
To: ham-antennas@yahoogroups.com; HamRadioAntenna@yahoogroups.com
Subject: [ham-antennas] Putting up 2nd Dipole - Different direction/orientation

I currently have a fan dipole (75, 40, & 20 meters) that is up about 35-40 feet and broadside East-West.

I am planning to put up a second fan dipole (20, 15 meters) with a North-South broadside.

My question is locating the dipole with respect to the existing dipole.

Due to limitations on where I can place it (trees for support, feed line distance from house, etc.) I am thinking of putting it below (about 10 feet) the existing dipole. I realize that there is some interaction. I am wondering what others have discovered from their experiences. Also can it be directly below the existing dipole or what. How close is too close.

Thanks

You rock. That's why Blockbuster's offering you one month of Blockbuster Total Access, No Cost.

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

4569. RE: [ham-antennas] Putting up 2nd Dipole - Different direction/orientation

Yahoo group: ham-antennas (2008)
Date: 2008-04-04 23:20:41 UTC
From: John P.
Topic: 4561 Message: 4569

You are correct that the antennas will be 90 degrees oriented. As I also said I am thinking of placing it "almost" directly below the existing dipole - down about 10 ft lower.

Also, due to convenience, I am wondering if there might be any other interaction if it were offset slightly to the west - that is the center of the new dipole would be about 10 feet West (and of course 10 feet below) the center of the other dipole. Different feedlines (RG-8X) of course!!

I can always throw it up and see if there is any de-tuning of the existing dipole.

I do not want to foul up what I do have. I get out very well east and west and quite good to the south - note that the North end of the existing dipole is about 15 feet higher than the South end.

Callum M0MCX <callum@...> wrote:
John,

My experiments demonstrate that dipoles that are 90 degrees to each other hardly see each other.

I'd say that you are safe to build it.

Can you put up something temporary to check before building something more robust?

Cheers,

Callum McCormick

http://www.m0mcx.co.uk/

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of John P.
Sent: 04 April 2008 22:52
To: ham-antennas@yahoogroups.com; HamRadioAntenna@yahoogroups.com
Subject: [ham-antennas] Putting up 2nd Dipole - Different direction/orientation

I currently have a fan dipole (75, 40, & 20 meters) that is up about 35-40 feet and broadside East-West.

I am planning to put up a second fan dipole (20, 15 meters) with a North-South broadside.

My question is locating the dipole with respect to the existing dipole.

Due to limitations on where I can place it (trees for support, feed line distance from house, etc.) I am thinking of putting it below (about 10 feet) the existing dipole. I realize that there is some interaction. I am

wondering what others have discovered from their experiences. Also can it be directly below the existing dipole or what. How close is too close.

Thanks

You rock. That's why Blockbuster's offering you one month of Blockbuster Total Access, No Cost.

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

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[Non-text portions of this message have been removed]

4570. Re: [ham-antennas] Putting up 2nd Dipole - Different direction/orientation

Yahoo group: ham-antennas (2008)
Date: 2008-04-04 23:33:55 UTC
From: Phil Bader
Topic: 4561 Message: 4570

I would tie both old and new to the same feedpoint and see. Like a fan dipole, but at right angles. I bet it would work well. Why seperate coaxes?
Phil B
Philip Bader
pbader@...
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakelandarc.org/
Currently: Polk County School Board Electronics
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006

----- Original Message -----
From: John P.
To: ham-antennas@yahoogroups.com
Sent: Friday, April 04, 2008 7:20 PM
Subject: RE: [ham-antennas] Putting up 2nd Dipole - Different direction/orientation

You are correct that the antennas will be 90 degrees oriented. As I also said I am thinking of placing it "almost" directly below the existing dipole - down about 10 ft lower.

Also, due to convenience, I am wondering if there might be any other interaction if it were offset slightly to the west - that is the center of the new dipole would be about 10 feet West (and of course 10 feet below) the center of the other dipole. Different feedlines (RG-8X) of course!!

I can always throw it up and see if there is any de-tuning of the existing dipole.

I do not want to foul up what I do have. I get out very well east and west and quite good to the south - note that the North end of the existing dipole is about 15 feet higher than the South end.

Callum M0MCX <callum@...> wrote:
John,

My experiments demonstrate that dipoles that are 90 degrees to each other
hardly see each other.

I'd say that you are safe to build it.

Can you put up something temporary to check before building something more
robust?

Cheers,

Callum McCormick

http://www.m0mcx.co.uk/

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of John P.
Sent: 04 April 2008 22:52
To: ham-antennas@yahoogroups.com; HamRadioAntenna@yahoogroups.com
Subject: [ham-antennas] Putting up 2nd Dipole - Different direction/orientation

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Checked by AVG.
Version: 7.5.519 / Virus Database: 269.22.5/1359 - Release Date: 4/4/2008 8:23 AM

[Non-text portions of this message have been removed]

4571. For Sale

Yahoo group: ham-antennas (2008)
Date: 2008-04-04 23:35:19 UTC
From: Danny Garvin
Topic: 4571 Message: 4571

For Sale 1 Mosley classic 36 tri band beam and 1 43 ft Rohn
Self support tower more info at.
http://merlin025.home.insightbb.com/wb9rim/adds.html

4572. cutting 11 meter beams for 10 meter use?

Yahoo group: ham-antennas (2008)
Date: 2008-04-04 23:52:08 UTC
From: Phil Bader
Topic: 4572 Message: 4572

I closed my business of 30 years a few years ago. I still stocked a number of aluminum 11 meter antennas (Antenna Specialists). Some are Yagi 5 element beams, maybe a few 4 element, and some others. Was wondering if it was practical to modify these for 10 meter use? One would need to change the gama match setting, spacing of the elements on the boom, as well as the element lengths. Wonder if it's worth the hassle. Maybe borrow demensions from a 10 meter beam?
Also have a few Larsen base ground plane 450-470 business band antennsa. Close to the 440 ham band.
Phil B
Philip Bader
pbader@...
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
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4573. Re: [ham-antennas] cutting 11 meter beams for 10 meter use?

Yahoo group: ham-antennas (2008)
Date: 2008-04-05 00:41:01 UTC
From: N0ATH
Topic: 4572 Message: 4573

Hello Phil - Very practical and has been done numerous times - I am
using one on 6 meters right not that was copied very closely to a 5
element that was produced by Cushcraft - It is one of the best antennas
I have used for 6 ever, very nice pattern and no big holes in the side or
rear - I have another that I wish to get airbourne soon that is a 6 element
with both vertical and horizontal polarization - I hope to use the vertical
for FM on 52.5 approx. and the horizontal down on SSB at around 50.250.
Have often thought about building it with 6 meter vertical and 10 meter
horizontal or as a dual band if you will but decided that would be for
another day - another tower.
If I can be of any help on your layout I have a lot of different Yagi programs
that would get you going. Actually, you probably won't have to change the
gamma assy. hardly at all. Just the element lengths primarily -
73 de N?ATH / Dave

----- Original Message -----
From: "Phil Bader" <PBADER@...>
To: <ham-antennas@yahoogroups.com>
Sent: Friday, April 04, 2008 6:52 PM
Subject: [ham-antennas] cutting 11 meter beams for 10 meter use?

I closed my business of 30 years a few years ago. I still stocked a number
of aluminum 11 meter antennas (Antenna Specialists). Some are Yagi 5 element
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Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
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and attachments are NOT permitted.
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Subscribe: ham-antennas-subscribe@yahoogroups.com

Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

4574. Re: [ham-antennas] Putting up 2nd Dipole - Different direction/orientation

Yahoo group: ham-antennas (2008)
Date: 2008-04-05 00:51:49 UTC
From: John P.
Topic: 4561 Message: 4574

Phil,

The idea in intriguing. However, I wonder what it might do to the feed point impedance - and of course SWR??

Phil Bader <PBADER@...> wrote:
I would tie both old and new to the same feedpoint and see. Like a fan dipole, but at right angles. I bet it would work well. Why seperate coaxes?
Phil B
Philip Bader
pbader@...
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Currently: Polk County School Board Electronics
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006

----- Original Message -----
From: John P.
To: ham-antennas@yahoogroups.com
Sent: Friday, April 04, 2008 7:20 PM
Subject: RE: [ham-antennas] Putting up 2nd Dipole - Different direction/orientation

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Also, due to convenience, I am wondering if there might be any other interaction if it were offset slightly to the west - that is the center of the new dipole would be about 10 feet West (and of course 10 feet below) the center of the other dipole. Different feedlines (RG-8X) of course!!

I can always throw it up and see if there is any de-tuning of the existing dipole.

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John,

My experiments demonstrate that dipoles that are 90 degrees to each other
hardly see each other.

I'd say that you are safe to build it.

Can you put up something temporary to check before building something more
robust?

Cheers,

Callum McCormick

http://www.m0mcx.co.uk/

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of John P.
Sent: 04 April 2008 22:52
To: ham-antennas@yahoogroups.com; HamRadioAntenna@yahoogroups.com
Subject: [ham-antennas] Putting up 2nd Dipole - Different direction/orientation

I currently have a fan dipole (75, 40, & 20 meters) that is up about 35-40 feet and broadside East-West.

I am planning to put up a second fan dipole (20, 15 meters) with a North-South broadside.

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Thanks

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Version: 7.5.519 / Virus Database: 269.22.5/1359 - Release Date: 4/4/2008 8:23 AM

[Non-text portions of this message have been removed]

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[Non-text portions of this message have been removed]

4575. Re: cutting 11 meter beams for 10 meter use?

Yahoo group: ham-antennas (2008)
Date: 2008-04-05 01:38:46 UTC
From: ke4nu_7
Topic: 4572 Message: 4575

Yes, did one back in the 80's (5 element hygain long john). First, I made it for 10 meters with the 5 elements and it work fantastic. After 10 starting going down I made it into a 3 element 15 meter beam and worked great for several more years. I bought a tribander and retired the converted beam, but it was the most powerful beam I ever had for 10 or 15. Wish I had another one to do..go for it and enjoy, 73 Alan

4576. Re: [ham-antennas] Putting up 2nd Dipole - Different direction/orientation

Yahoo group: ham-antennas (2008)
Date: 2008-04-05 02:11:22 UTC
From: John P.
Topic: 4561 Message: 4576

You are mostly correct.....

There will be
East-West broadside orientation
1 for 75 meters
1 for 40 meters
1 for 20 meters

North-South broadside orientation
1 for 20 meters
1 for 15 meters

Note that there will be 2 for 20 meters AND a 3/2 wave for 15 meters (40 meter element) and a 1/2 wave for 15 meters.

Thus connecting them all to the common feedpoint could be "interesting" to say the least with regard to SWR, resonance, feedpoint impedance, and radiation pattern.

Phil Bader <pbader@...> wrote:
try it. The original fan dipole has multiple elements for different bands.You're just adding one more.
Phil B
Philip Bader
pbader@...
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakelandarc.org/
Currently: Polk County School Board Electronics
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006

----- Original Message -----
From: John P.
To: ham-antennas@yahoogroups.com
Cc: pbader@...
Sent: Friday, April 04, 2008 8:51 PM
Subject: Re: [ham-antennas] Putting up 2nd Dipole - Different direction/orientation

Phil,

The idea in intriguing. However, I wonder what it might do to the feed point impedance - and of course SWR??

Phil Bader <PBADER@...> wrote:
I would tie both old and new to the same feedpoint and see. Like a fan dipole, but at right angles. I bet it would work well. Why seperate coaxes?
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Philip Bader

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----- Original Message -----
From: John P.
To: ham-antennas@yahoogroups.com
Sent: Friday, April 04, 2008 7:20 PM
Subject: RE: [ham-antennas] Putting up 2nd Dipole - Different direction/orientation

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I do not want to foul up what I do have. I get out very well east and west and quite good to the south - note that the North end of the existing dipole is about 15 feet higher than the South end.

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John,

My experiments demonstrate that dipoles that are 90 degrees to each other hardly see each other.

I'd say that you are safe to build it.

Can you put up something temporary to check before building something more robust?

Cheers,

Callum McCormick

http://www.m0mcx.co.uk/

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of John P.
Sent: 04 April 2008 22:52
To: ham-antennas@yahoogroups.com; HamRadioAntenna@yahoogroups.com
Subject: [ham-antennas] Putting up 2nd Dipole - Different direction/orientation

I currently have a fan dipole (75, 40, & 20 meters) that is up about 35-40 feet and broadside East-West.

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#ygrp-mkp { BORDER-RIGHT: #d8d8d8 1px solid; PADDING-RIGHT: 14px; BORDER-TOP: #d8d8d8 1px solid; PADDING-LEFT: 14px; PADDING-BOTTOM: 0px; MARGIN: 14px 0px; BORDER-LEFT: #d8d8d8 1px solid; PADDING-TOP: 0px; BORDER-BOTTOM: #d8d8d8 1px solid; FONT-FAMILY: Arial } #ygrp-mkp HR { BORDER-RIGHT: #d8d8d8 1px solid; BORDER-TOP: #d8d8d8 1px solid; BORDER-LEFT: #d8d8d8 1px solid; BORDER-BOTTOM: #d8d8d8 1px solid } #ygrp-mkp #hd { FONT-WEIGHT: bold; FONT-SIZE: 85%; MARGIN: 10px 0px; COLOR: #628c2a; LINE-HEIGHT: 122% } #ygrp-mkp #ads { MARGIN-BOTTOM: 10px } #ygrp-mkp .ad { PADDING-RIGHT: 0px; PADDING-LEFT: 0px; PADDING-BOTTOM: 0px; PADDING-TOP: 0px } #ygrp-mkp .ad A { COLOR: #0000ff; TEXT-DECORATION: none }

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4577. RE: [ham-antennas] Putting up 2nd Dipole - Different direction/orientation

Yahoo group: ham-antennas (2008)
Date: 2008-04-05 08:03:19 UTC
From: Callum M0MCX
Topic: 4561 Message: 4577

Thinking about this.. and only for the 20m band, if you did happen to make a "cross" of dipoles on the same frequency at right angles to each other on the same feedpoint, a few things would happen including splitting your power across two antennas, inability to switch directions and the impedance will drop from around 80 ohms to 40 for that band.

I didn't know about the impedance issue until I modelled it!

Suggest you don't do that with same band then :)

Callum

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of John P.
Sent: 05 April 2008 03:11
To: Phil Bader; ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Putting up 2nd Dipole - Different direction/orientation

You are mostly correct.....

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East-West broadside orientation
1 for 75 meters
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North-South broadside orientation
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----- Original Message -----
From: John P.
To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
Cc: pbader@... <mailto:pbader%40tampabay.rr.com>
Sent: Friday, April 04, 2008 8:51 PM
Subject: Re: [ham-antennas] Putting up 2nd Dipole - Different direction/orientation

Phil,

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To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
Sent: Friday, April 04, 2008 7:20 PM
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http://www.m0mcx.co.uk/

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[mailto:ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
] On
Behalf Of John P.
Sent: 04 April 2008 22:52
To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com> ;
HamRadioAntenna@yahoogroups.com <mailto:HamRadioAntenna%40yahoogroups.com>
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#ygrp-mkp { BORDER-RIGHT: #d8d8d8 1px solid; PADDING-RIGHT: 14px;
BORDER-TOP: #d8d8d8 1px solid; PADDING-LEFT: 14px; PADDING-BOTTOM: 0px;
MARGIN: 14px 0px; BORDER-LEFT: #d8d8d8 1px solid; PADDING-TOP: 0px;
BORDER-BOTTOM: #d8d8d8 1px solid; FONT-FAMILY: Arial } #ygrp-mkp HR {
BORDER-RIGHT: #d8d8d8 1px solid; BORDER-TOP: #d8d8d8 1px solid; BORDER-LEFT:
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FONT-WEIGHT: bold; FONT-SIZE: 85%; MARGIN: 10px 0px; COLOR: #628c2a;
LINE-HEIGHT: 122% } #ygrp-mkp #ads { MARGIN-BOTTOM: 10px } #ygrp-mkp .ad {
PADDING-RIGHT: 0px; PADDING-LEFT: 0px; PADDING-BOTTOM: 0px; PADDING-TOP: 0px
} #ygrp-mkp .ad A { COLOR: #0000ff; TEXT-DECORATION: none }

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4578. Re: [ham-antennas] Putting up 2nd Dipole - Different direction/orientation

Yahoo group: ham-antennas (2008)
Date: 2008-04-05 17:53:33 UTC
From: Wayne
Topic: 4561 Message: 4578

You are correct in that having a cross shaped dipole (would one call it something else?), that the signal would be split between the two legs.
Now, the impedence going to 40 ohms would not be a problem, considering the radios are designed for 50 ohms. A 1/4 wave mobile whip supposedly has an impedence of about 30 ohms, theory and practice are not always exactly the same, and was normally not a problem.
The directional part is the major issue from what I can see. Shaped into a cross like that, would make it more omnidirectional than a straight dipole, at least under ideal conditions.
I consider that to be the major issue here.
Adding legs to a multiple dipole does change the resonant frequency. The amount depends on a number of factors, such as how close to one another do the legs ru.
I had a 40 meter dipole that I added 20 meter legs to. Was fairly good on 40 meters, and a good match on 20. But after I added 75 meter legs, it changed to where the resonant frequencies were actually out of band on all but 75. One needs to consider the interaction there.
As an example, if I added wires to my 75 meter portion of my present 160/75 dipole, and they were out near the ends, I would widen the part that would be resonant enough to use sans tuner.
I may do just that one of these days, and at the same time, trim back the 160 meter legs, being as those are actually too long at this point. Tuner takes care of it reasonably enough, so I'm not in a hurry right now. Don't feel like wading through the tall dried weeds...

Anyway, having a more omni antenna can be good in some ways, and not so good in others.
YMMV

Wayne WA2YNE
Imperial, Tejas

On Sat, 05 Apr 2008 03:03:19 -0500, Callum M0MCX <callum@...>
wrote:

> Thinking about this.. and only for the 20m band, if you did happen to
> make a
> "cross" of dipoles on the same frequency at right angles to each other on
> the same feedpoint, a few things would happen including splitting your
> power
> across two antennas, inability to switch directions and the impedance
> will
> drop from around 80 ohms to 40 for that band.
>
>
> I didn't know about the impedance issue until I modelled it!

>
>
> Suggest you don't do that with same band then :)
>
>
> Callum
>
>

Snipped, getting too long.

--
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4579. Re: [ham-antennas] Putting up 2nd Dipole - Different direction/orientation

Yahoo group: ham-antennas (2008)
Date: 2008-04-06 01:13:01 UTC
From: John P.
Topic: 4561 Message: 4579

Your thinking is good!

My current fan dipole for 75, 40 & 20 has good SWR on 75, 40, & 20. Not too good though on 15 but workable.

My primary purpose of the 2nd fan dipole for 20 & 15 is to get a North-South broadside. Remember that the current one is broadside East-West (90 degrees/180 degrees). My thinking is separate feed lines wich is not a problem. My only concern would be the resonant lengths in proximity (but @ 90 degrees offest) to the current fan dipole.

Wayne <wa2yne@...> wrote:
You are correct in that having a cross shaped dipole (would one call it something else?), that the signal would be split between the two legs.
Now, the impedence going to 40 ohms would not be a problem, considering the radios are designed for 50 ohms. A 1/4 wave mobile whip supposedly has an impedence of about 30 ohms, theory and practice are not always exactly the same, and was normally not a problem.
The directional part is the major issue from what I can see. Shaped into a cross like that, would make it more omnidirectional than a straight dipole, at least under ideal conditions.
I consider that to be the major issue here.
Adding legs to a multiple dipole does change the resonant frequency. The amount depends on a number of factors, such as how close to one another do the legs ru.
I had a 40 meter dipole that I added 20 meter legs to. Was fairly good on 40 meters, and a good match on 20. But after I added 75 meter legs, it changed to where the resonant frequencies were actually out of band on all but 75. One needs to consider the interaction there.
As an example, if I added wires to my 75 meter portion of my present 160/75 dipole, and they were out near the ends, I would widen the part that would be resonant enough to use sans tuner.
I may do just that one of these days, and at the same time, trim back the 160 meter legs, being as those are actually too long at this point. Tuner takes care of it reasonably enough, so I'm not in a hurry right now. Don't feel like wading through the tall dried weeds...

Anyway, having a more omni antenna can be good in some ways, and not so good in others.
YMMV

Wayne WA2YNE
Imperial, Tejas

On Sat, 05 Apr 2008 03:03:19 -0500, Callum M0MCX
wrote:

> Thinking about this.. and only for the 20m band, if you did happen to
> make a
> "cross" of dipoles on the same frequency at right angles to each other on
> the same feedpoint, a few things would happen including splitting your
> power
> across two antennas, inability to switch directions and the impedance
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> drop from around 80 ohms to 40 for that band.
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> I didn't know about the impedance issue until I modelled it!
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> Suggest you don't do that with same band then :)
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>
> Callum
>
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Snipped, getting too long.

--
Using Opera's revolutionary e-mail client: http://www.opera.com/mail/

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[Non-text portions of this message have been removed]

4580. Re: [ham-antennas] Putting up 2nd Dipole - Different direction/orientation

Yahoo group: ham-antennas (2008)
Date: 2008-04-06 02:12:44 UTC
From: jeff
Topic: 4561 Message: 4580

> My primary purpose of the 2nd fan dipole for 20 & 15 is to get a North-South broadside.

some would say you have too much land. Or time :)

Not me - I say go for it.

-=-=-
... my computers don't freeze - I run linux
* TagZilla 0.066 * http://tagzilla.mozdev.org

4581. Re: [ham-antennas] Putting up 2nd Dipole - Different direction/orientation

Yahoo group: ham-antennas (2008)
Date: 2008-04-06 13:30:29 UTC
From: Andy
Topic: 4561 Message: 4581

If you drove two *identical* dipoles in parallel from the same feedline, then the signal would split equally between the two. But if they aren't identical, then one would get more power than the other. It depends on how each of their feedpoint impedances happen to work out.

It seems to me that putting two dipoles at right angles, with the same feed, does not give you an omnidirectional radiation pattern. What you'd have is an X component and a Y component, and if the two are in-phase, they are equivalent to a single dipole at 45 degrees, with a figure-8 pattern at a 45 degree angle: nulls going NW and SE (or NE and SW depending on relative polarities).

Using separate feeds isn't a bad idea, giving you the ability to select either the N-S pattern or the E-W pattern.

Putting a resonant length at right angles, ought to minimize if not eliminate interaction between the elements. In theory each element is at right angles to the radiating fields from the other, so it sees no signal from it, and doesn't interact with it.

Andy

> My primary purpose of the 2nd fan dipole for 20 & 15 is to get a
> North-South broadside. Remember that the current one is broadside
> East-West (90 degrees/180 degrees). My thinking is separate feed lines
> wich is not a problem. My only concern would be the resonant lengths in
> proximity (but @ 90 degrees offest) to the current fan dipole.

4582. Re: [ham-antennas] Putting up 2nd Dipole - Different direction/orientation

Yahoo group: ham-antennas (2008)
Date: 2008-04-06 13:54:45 UTC
From: John P.
Topic: 4561 Message: 4582

Andy,

You have echoed my thinking on this one. My biggest concern was/is the fact that the N-S dipole's legs would be in the MAX lobe of the E-W dipole & vice versa. I would not want to upset the MAX lobes.

Thanks,
John

Andy <Andy.groups@...> wrote:
If you drove two *identical* dipoles in parallel from the same feedline, then the signal would split equally between the two. But if they aren't identical, then one would get more power than the other. It depends on how each of their feedpoint impedances happen to work out.

It seems to me that putting two dipoles at right angles, with the same feed, does not give you an omnidirectional radiation pattern. What you'd have is an X component and a Y component, and if the two are in-phase, they are equivalent to a single dipole at 45 degrees, with a figure-8 pattern at a 45 degree angle: nulls going NW and SE (or NE and SW depending on relative polarities).

Using separate feeds isn't a bad idea, giving you the ability to select either the N-S pattern or the E-W pattern.

Putting a resonant length at right angles, ought to minimize if not eliminate interaction between the elements. In theory each element is at right angles to the radiating fields from the other, so it sees no signal from it, and doesn't interact with it.

Andy

> My primary purpose of the 2nd fan dipole for 20 & 15 is to get a
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> East-West (90 degrees/180 degrees). My thinking is separate feed lines
> wich is not a problem. My only concern would be the resonant lengths in
> proximity (but @ 90 degrees offest) to the current fan dipole.

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[Non-text portions of this message have been removed]

4583. RE: [ham-antennas] Putting up 2nd Dipole - Different direction/orientation

Yahoo group: ham-antennas (2008)
Date: 2008-04-06 20:09:44 UTC
From: Callum M0MCX
Topic: 4561 Message: 4583

Using the same feedpoint is a complete red herring.

Just split them and build two of the blighters on different feedpoints. It will work as you plan. Really.

Callum McCormick

T: 07976 631881

http://www.m0mcx.co.uk/

While others were busy thinking outside the box, I cut it up because I needed some cardboard for a project I was making.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of John P.
Sent: 06 April 2008 14:55
To: ham-antennas@yahoogroups.com
Cc: Andy.groups@...
Subject: Re: [ham-antennas] Putting up 2nd Dipole - Different direction/orientation

Andy,

You have echoed my thinking on this one. My biggest concern was/is the fact that the N-S dipole's legs would be in the MAX lobe of the E-W dipole & vice versa. I would not want to upset the MAX lobes.

Thanks,
John

Andy <Andy.groups@... <mailto:Andy.groups%40gmail.com> > wrote:
If you drove two *identical* dipoles in parallel from the same feedline, then the signal would split equally between the two. But if they aren't identical, then one would get more power than the other. It depends on how each of their feedpoint impedances happen to work out.

It seems to me that putting two dipoles at right angles, with the same feed, does not give you an omnidirectional radiation pattern. What you'd have is an X component and a Y component, and if the two are in-phase, they are equivalent to a single dipole at 45 degrees, with a figure-8 pattern at a 45 degree angle: nulls going NW and SE (or NE and SW depending on relative polarities).

Using separate feeds isn't a bad idea, giving you the ability to select either the N-S pattern or the E-W pattern.

Putting a resonant length at right angles, ought to minimize if not eliminate interaction between the elements. In theory each element is at right angles to the radiating fields from the other, so it sees no signal from it, and doesn't interact with it.

Andy

> My primary purpose of the 2nd fan dipole for 20 & 15 is to get a
> North-South broadside. Remember that the current one is broadside
> East-West (90 degrees/180 degrees). My thinking is separate feed lines
> wich is not a problem. My only concern would be the resonant lengths in
> proximity (but @ 90 degrees offest) to the current fan dipole.

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[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

4584. Elevated radials on a GP antenna

Yahoo group: ham-antennas (2008)
Date: 2008-04-06 20:34:06 UTC
From: Neil McGrath
Topic: 4584 Message: 4584

I currently use a nest of 1/4 wave verticals on 10/15/20m at ground level connected to a ground rod and a few buried radials. I have heard that using a 1/4 wave counterpoise a couple of feet above the ground could be more efficient. Does anyone have any experience with this type of set up.

Neil
G7AQK

4585. Re: Elevated radials on a GP antenna

Yahoo group: ham-antennas (2008)
Date: 2008-04-06 23:32:24 UTC
From: Dave
Topic: 4584 Message: 4585

--- In ham-antennas@yahoogroups.com, "Neil McGrath" <g7aqk.uk@...> wrote:
>
> I currently use a nest of 1/4 wave verticals on 10/15/20m at ground
> level connected to a ground rod and a few buried radials. I have heard
> that using a 1/4 wave counterpoise a couple of feet above the ground
> could be more efficient. Does anyone have any experience with this
> type of set up.
>
> Neil
> G7AQK
>

I moved my HF9V, 80-10 meter vertical from ground-mounted to about 12 feet high, and put tuned 1/4-wave radials for each of 80/40/20 meters under it. Based on how quickly I get through pile-ups now, I'd say I increased my signal strength 8-10dB on 80 and 40 meters, and 6dB on 20 meters. Also did some A/B comparisons with a high dipole, but since the dipole is horizontal, the results from that are not all that reliable - but again, the vertical's performance for DX took a dramatic step upward when I removed it from the ground (where it did have some radials, some long and some short, none really tuned). For short-distance QSOs, my dipoles have always beat the vertical.

Dave W8NF

4586. Hy-Gain beam

Yahoo group: ham-antennas (2008)
Date: 2008-04-07 00:23:03 UTC
From: Kenny Wyss
Topic: 4586 Message: 4586

I am getting ready to put up my first tower and plan to use Rohn 25G and only go about 30' for now. I am in the process of cleaning and tweaking my HF beam in order to use it for the first time. The ham I bought it from said it was a Cushcraft A3S, but I am not sure. It has a Hy-Gain balun mounted on the boom and does not match the pics of a Cushcraft. It has two thin-wall pipes mounted on top of the boom also that sort of remind you of a double-barrel shotgun.

Does anyone have any ideas as to what the model number of this beast could be? I would love to find the correct manual and specs.

Thanks and 73,

Kenny, KB0NPW

4587. Re: [ham-antennas] Hy-Gain beam

Yahoo group: ham-antennas (2008)
Date: 2008-04-07 00:27:22 UTC
From: N0ATH
Topic: 4586 Message: 4587

Yessir it sounds very much like a TH-3 by Hy Gain to me - I have
one here and it is a great little antenna - Do you need a manual
for it?
I can email one to you I think -

Dave / N?ATH

----- Original Message -----
From: "Kenny Wyss" <kenny@...>
To: <ham-antennas@yahoogroups.com>
Sent: Sunday, April 06, 2008 7:23 PM
Subject: [ham-antennas] Hy-Gain beam

I am getting ready to put up my first tower and plan to use Rohn 25G
and only go about 30' for now. I am in the process of cleaning and
tweaking my HF beam in order to use it for the first time. The ham I
bought it from said it was a Cushcraft A3S, but I am not sure. It has
a Hy-Gain balun mounted on the boom and does not match the pics of a
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Thanks and 73,

Kenny, KB0NPW

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4588. Re: Hy-Gain beam

Yahoo group: ham-antennas (2008)
Date: 2008-04-07 00:58:32 UTC
From: Kenny Wyss
Topic: 4586 Message: 4588

Dave, that would be much appreciated if you have it. After reading your reply, I Googled the TH3 and found pics of the TH-3MK3 and that is the one I have. I am so glad to know what I'm working with now. I plan to take each element apart and clean the contact surfaces. I hope the balun is still okay. It had a lot of gunk and cobwebs inside.

Thanks and 73, Kenny
KB0NPW

--- In ham-antennas@yahoogroups.com, "N0ATH" <n0ath@...> wrote:
>
> Yessir it sounds very much like a TH-3 by Hy Gain to me - I have
> one here and it is a great little antenna - Do you need a manual
> for it?
> I can email one to you I think -
>
> Dave / NØATH
>
>
> ----- Original Message -----
> From: "Kenny Wyss" <kenny@...>
> To: <ham-antennas@yahoogroups.com>
> Sent: Sunday, April 06, 2008 7:23 PM
> Subject: [ham-antennas] Hy-Gain beam
>
>
> I am getting ready to put up my first tower and plan to use Rohn 25G
> and only go about 30' for now. I am in the process of cleaning and
> tweaking my HF beam in order to use it for the first time. The ham I
> bought it from said it was a Cushcraft A3S, but I am not sure. It has
> a Hy-Gain balun mounted on the boom and does not match the pics of a
> Cushcraft. It has two thin-wall pipes mounted on top of the boom also
> that sort of remind you of a double-barrel shotgun.
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> Does anyone have any ideas as to what the model number of this beast
> could be? I would love to find the correct manual and specs.
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> Thanks and 73,
>
> Kenny, KB0NPW
>
>
> ------------------------------------
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4589. Re: [ham-antennas] Re: Hy-Gain beam

Yahoo group: ham-antennas (2008)
Date: 2008-04-07 01:05:31 UTC
From: W5CPT
Topic: 4586 Message: 4589

Kenny,
If the balun is too bad and you plan on running low power let me know as I have a BN-86 around here somewhere I will let you have inexpensively. I bought it before I got my amp and it ended up excess.

Clint - W5CPT

----- Original Message -----
From: Kenny Wyss
To: ham-antennas@yahoogroups.com
Sent: Sunday, April 06, 2008 7:58 PM
Subject: [ham-antennas] Re: Hy-Gain beam

Dave, that would be much appreciated if you have it. After reading your reply, I Googled the TH3 and found pics of the TH-3MK3 and that is the one I have. I am so glad to know what I'm working with now. I plan to take each element apart and clean the contact surfaces. I hope the balun is still okay. It had a lot of gunk and cobwebs inside.

Thanks and 73, Kenny
KB0NPW

--- In ham-antennas@yahoogroups.com, "N0ATH" <n0ath@...> wrote:
>
> Yessir it sounds very much like a TH-3 by Hy Gain to me - I have
> one here and it is a great little antenna - Do you need a manual
> for it?
> I can email one to you I think -
>
> Dave / NØATH
>
>
> ----- Original Message -----
> From: "Kenny Wyss" <kenny@...>
> To: <ham-antennas@yahoogroups.com>
> Sent: Sunday, April 06, 2008 7:23 PM
> Subject: [ham-antennas] Hy-Gain beam
>
>
> I am getting ready to put up my first tower and plan to use Rohn 25G
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>

[Non-text portions of this message have been removed]

4590. Re: Putting up 2nd Dipole - Different direction/orientation

Yahoo group: ham-antennas (2008)
Date: 2008-04-07 02:03:53 UTC
From: Brian Hall
Topic: 4561 Message: 4590

If you are trying to get rid of the north-south lull, why not droop the ends of your existing antenna into an Inverted Vee configuration? That will make the radiation pattern more omni-directional.

In order to have any substantial gain (a broadside lobe in this case), your dipole should be elevated at least a half wavelength or higher at the frequency of interest. If I read your first post correctly, your proposed antenna will be even lower than the existing antenna, so I question whether or not it's a worthwhile addition.

I'd recommend changing to an inverted vee first before trying something else.

Brian AC7NA

--- In ham-antennas@yahoogroups.com, Wayne <wa2yne@...> wrote:
>
> You are correct in that having a cross shaped dipole (would one call it
> something else?), that the signal would be split between the two legs.
> Now, the impedence going to 40 ohms would not be a problem, considering
> the radios are designed for 50 ohms. A 1/4 wave mobile whip supposedly has
> an impedence of about 30 ohms, theory and practice are not always exactly
> the same, and was normally not a problem.
> The directional part is the major issue from what I can see. Shaped into
> a cross like that, would make it more omnidirectional than a straight
> dipole, at least under ideal conditions.
> I consider that to be the major issue here.
> Adding legs to a multiple dipole does change the resonant frequency. The
> amount depends on a number of factors, such as how close to one another do
> the legs ru.
> I had a 40 meter dipole that I added 20 meter legs to. Was fairly good on
> 40 meters, and a good match on 20. But after I added 75 meter legs, it
> changed to where the resonant frequencies were actually out of band on all

> but 75. One needs to consider the interaction there.
> As an example, if I added wires to my 75 meter portion of my
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> 160/75 dipole, and they were out near the ends, I would widen the
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> that would be resonant enough to use sans tuner.
> I may do just that one of these days, and at the same time, trim
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> 160 meter legs, being as those are actually too long at this point.
Tuner
> takes care of it reasonably enough, so I'm not in a hurry right
now. Don't
> feel like wading through the tall dried weeds...
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> Anyway, having a more omni antenna can be good in some ways, and
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> good in others.
> YMMV
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> Wayne WA2YNE
> Imperial, Tejas
>
> On Sat, 05 Apr 2008 03:03:19 -0500, Callum M0MCX <callum@...>
> wrote:
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> > Thinking about this.. and only for the 20m band, if you did
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> >
> > I didn't know about the impedance issue until I modelled it!
> >
> >
> > Suggest you don't do that with same band then :)
> >
> >
> > Callum
> >
> >
>
> Snipped, getting too long.

>
> --
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http://www.opera.com/mail/
>

4591. Suggestions for dipole supports

Yahoo group: ham-antennas (2008)
Date: 2008-04-07 02:39:54 UTC
From: James Fogg
Topic: 4591 Message: 4591

I'm trying to think of a good support for either the center of an inverted V or end supports for a flat top. I'm looking for support from the ground up to 20 or more feet.

What do others use? Is metal pipe a poor choice? Does PVC have enough strength at 20 plus feet?

My situation is my trees are too far away for anything shorter than an 80M dipole. Even a 160M dipole doesn't reach my trees.

4592. RE: [ham-antennas] Suggestions for dipole supports

Yahoo group: ham-antennas (2008)
Date: 2008-04-07 05:09:06 UTC
From: James M.(Jim) Geidl
Topic: 4591 Message: 4592

James,

I buy gov surplus aluminum mast sections from www.tmastco.com and simply
love the stuff. Henry is a good guy.

Jim, K6JMG
//

> [mailto:ham-antennas@yahoogroups.com] On Behalf Of James Fogg
> Sent: Sunday, April 06, 2008 6:40 PM
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] Suggestions for dipole supports
>
> I'm trying to think of a good support for either the center
> of an inverted V or end supports for a flat top. I'm looking
> for support from the ground up to 20 or more feet.
>
> What do others use? Is metal pipe a poor choice? Does PVC
> have enough strength at 20 plus feet?
>
> My situation is my trees are too far away for anything
> shorter than an 80M dipole. Even a 160M dipole doesn't reach my trees.

4593. Re: [ham-antennas] Suggestions for dipole supports

Yahoo group: ham-antennas (2008)
Date: 2008-04-07 04:11:03 UTC
From: ktnjoepark@aol.com
Topic: 4591 Message: 4593

They make the 4 foot Military sections in PVC also, they are strong and easy to put up, of course you probably would have to guy them at 2 points, the antenna being the third.

In a message dated 4/6/2008 9:07:26 P.M. Pacific Daylight Time, jgeidl@... writes:

James,

I buy gov surplus aluminum mast sections from www.tmastco.I buy gov surp love the stuff. Henry is a good guy.

Jim, K6JMG
//

> [mailto:_ham-antennas@ham-antennasham_ (mailto:ham-antennas@yahoogroups.com)] On Behalf Of James Fogg
> Sent: Sunday, April 06, 2008 6:40 PM
> To: _ham-antennas@ham-antennasham_ (mailto:ham-antennas@yahoogroups.com)
> Subject: [ham-antennas] Suggestions for dipole supports
>
> I'm trying to think of a good support for either the center
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> My situation is my trees are too far away for anything
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[Non-text portions of this message have been removed]

4594. Re: [ham-antennas] Re: Putting up 2nd Dipole - Different direction/orientation

Yahoo group: ham-antennas (2008)
Date: 2008-04-07 22:57:30 UTC
From: John P.
Topic: 4561 Message: 4594

Brian,

First of all, thanks for your input.

The current dipole is about 40-45 feet up which on 20 meters is just over 1/2 wave length up.

Ths second one would be at about 30 feet - just shy of 1/2 WL.

An inverted V is not practical in order to be sure that the ends are far above the line of sight of the property.

Thus the practical solution is the 2nd dipole

Thanks

Brian Hall <bnhall_2000@...> wrote:
If you are trying to get rid of the north-south lull, why not droop the ends of your existing antenna into an Inverted Vee configuration? That will make the radiation pattern more omni-directional.

In order to have any substantial gain (a broadside lobe in this case), your dipole should be elevated at least a half wavelength or higher at the frequency of interest. If I read your first post correctly, your proposed antenna will be even lower than the existing antenna, so I question whether or not it's a worthwhile addition.

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Brian AC7NA

--- In ham-antennas@yahoogroups.com, Wayne <wa2yne@...> wrote:
>
> You are correct in that having a cross shaped dipole (would one call it
> something else?), that the signal would be split between the two legs.
> Now, the impedence going to 40 ohms would not be a problem, considering
> the radios are designed for 50 ohms. A 1/4 wave mobile whip supposedly has
> an impedence of about 30 ohms, theory and practice are not always exactly
> the same, and was normally not a problem.

> The directional part is the major issue from what I can see.
Shaped into
> a cross like that, would make it more omnidirectional than a
straight
> dipole, at least under ideal conditions.
> I consider that to be the major issue here.
> Adding legs to a multiple dipole does change the resonant
frequency. The
> amount depends on a number of factors, such as how close to one
another do
> the legs ru.
> I had a 40 meter dipole that I added 20 meter legs to. Was fairly
good on
> 40 meters, and a good match on 20. But after I added 75 meter legs,
it
> changed to where the resonant frequencies were actually out of band
on all
> but 75. One needs to consider the interaction there.
> As an example, if I added wires to my 75 meter portion of my
present
> 160/75 dipole, and they were out near the ends, I would widen the
part
> that would be resonant enough to use sans tuner.
> I may do just that one of these days, and at the same time, trim
back the
> 160 meter legs, being as those are actually too long at this point.
Tuner
> takes care of it reasonably enough, so I'm not in a hurry right
now. Don't
> feel like wading through the tall dried weeds...
>
> Anyway, having a more omni antenna can be good in some ways, and
not so
> good in others.
> YMMV
>
> Wayne WA2YNE
> Imperial, Tejas
>
> On Sat, 05 Apr 2008 03:03:19 -0500, Callum M0MCX <callum@...>
> wrote:
>
> > Thinking about this.. and only for the 20m band, if you did
happen to
> > make a
> > "cross" of dipoles on the same frequency at right angles to each
other on
> > the same feedpoint, a few things would happen including splitting
your
> > power

> > across two antennas, inability to switch directions and the
impedance
> > will
> > drop from around 80 ohms to 40 for that band.
> >
> >
> > I didn't know about the impedance issue until I modelled it!
> >
> >
> > Suggest you don't do that with same band then :)
> >
> >
> > Callum
> >
> >
>
> Snipped, getting too long.
>
> --
> Using Opera's revolutionary e-mail client:
http://www.opera.com/mail/
>

You rock. That's why Blockbuster's offering you one month of Blockbuster Total Access, No Cost.

[Non-text portions of this message have been removed]

4595. Re: [ham-antennas] Suggestions for dipole supports

Yahoo group: ham-antennas (2008)
Date: 2008-04-07 23:00:23 UTC
From: John P.
Topic: 4591 Message: 4595

I have used PVC, BUT it has to be guyed at the 10 & 20 ft points or it will fail

Why not use a 16 or 20 ft 2x3 or 2x4 ?

James Fogg <james@...> wrote:
I'm trying to think of a good support for either the center of an
inverted V or end supports for a flat top. I'm looking for support from
the ground up to 20 or more feet.

What do others use? Is metal pipe a poor choice? Does PVC have enough
strength at 20 plus feet?

My situation is my trees are too far away for anything shorter than an
80M dipole. Even a 160M dipole doesn't reach my trees.

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[Non-text portions of this message have been removed]

4596. Re: [ham-antennas] Suggestions for dipole supports

Yahoo group: ham-antennas (2008)
Date: 2008-04-07 23:11:39 UTC
From: John P.
Topic: 4591 Message: 4596

Jim,

Forgot to mention that a fan dipole for 75/80, 40, & 20 would work for you since you say that you have room for an 80 or 160 meter dipole.

My fan dipole for 75, 40, & 20 has its ends near the sides of my lot AND my lot is 225 ft wide!

James Fogg <james@...> wrote:
I'm trying to think of a good support for either the center of an
inverted V or end supports for a flat top. I'm looking for support from
the ground up to 20 or more feet.

What do others use? Is metal pipe a poor choice? Does PVC have enough
strength at 20 plus feet?

My situation is my trees are too far away for anything shorter than an
80M dipole. Even a 160M dipole doesn't reach my trees.

You rock. That's why Blockbuster's offering you one month of Blockbuster Total Access, No Cost.

[Non-text portions of this message have been removed]

4597. Re: Quad and Tower

Yahoo group: ham-antennas (2008)
Date: 2008-04-08 01:11:25 UTC
From: Keith
Topic: 4453 Message: 4597

Richard

Here's some photos of portions of it.

http://BT3000.com/Tower/

I made the guy bracket today.
We're in for wet/bad weather for the next 2 or 3 days so I might not
get to work on it until it dries up.

Still waiting on other parts to arrive.

Keith

--- In ham-antennas@yahoogroups.com, richard erickson <rgus63@...>
wrote:
>
> I'm currently working on the tilt-up tower setup the
> quad will go on. It will be completed in a day or two.
> Once that's completed I can start building the
> antenna.
> *********
> Two points: First, I'd like to know about your tilt up
> tower. I'm assuming it is a home brew. I'd like to
> know about your design. Could you share a picture.
>
> Secondly, here is a book I have had for a long time.
> I found it listed at Amazon.
>
> http://www.amazon.com/All-About-Cubical-Quad-
Antennas/dp/B00125L07Y/ref=sr_1_7?ie=UTF8&s=books&qid=1206854047&sr=1-
7
>
> They do not have any . . new or used. I have used
> this book and continue to use it. Good book.
>
> One thing about quads .. at least my quad . . they are
> very forgiving.
>
> Richard Erickson
> WB6LUJ
>
>
>
>
>

>

> Special deal for Yahoo! users & friends - No Cost. Get a month of
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>

4598. Alpha Delta Antenna

Yahoo group: ham-antennas (2008)
Date: 2008-04-07 22:54:06 UTC
From: Bill Reid
Topic: 4598 Message: 4598

I purchased an Alpha Delta-LB Plus and installed it this past weekend.
It tunes fine on all bands except 160M. I'm using a FT100D radio
and a LDG AT-200Pro antenna tuner.

I put a spectrum analyzer on it in reflection mode and it shows the least
reflection around 1.76Mhz. I would have thought that the tuner would have
tuned this antenna.
What do I need to do? The instructions are not that good nor is online help.
I'm guessing that I need to shorten the end of the line next to the insulator,
but I was hoping the tuner would do it, as it will be some work to
get at one of the ends.

73
Bill
VA3QB

4599. Re: [ham-antennas] Alpha Delta Antenna

Yahoo group: ham-antennas (2008)
Date: 2008-04-08 04:12:53 UTC
From: Leonard K. Pennock
Topic: 4598 Message: 4599

You may have exceed the 10:1 limit of the tuner. Doesn't take very far
on 160M to hit that much SWR.

Bill Reid wrote:
> I purchased an Alpha Delta-LB Plus and installed it this past weekend.
> It tunes fine on all bands except 160M. I'm using a FT100D radio
> and a LDG AT-200Pro antenna tuner.
>
> I put a spectrum analyzer on it in reflection mode and it shows the least
> reflection around 1.76Mhz. I would have thought that the tuner would have
> tuned this antenna.
> What do I need to do? The instructions are not that good nor is online help.
> I'm guessing that I need to shorten the end of the line next to the insulator,
> but I was hoping the tuner would do it, as it will be some work to
> get at one of the ends.
>
>
> 73
> Bill
> VA3QB
>

--
Leonard K. Pennock
AD7AS

Those who walk bravely through life, unafraid of loss or failure,
find that they very rarely lose or fail.

4600. Re: [ham-antennas] Alpha Delta Antenna

Yahoo group: ham-antennas (2008)
Date: 2008-04-08 04:42:59 UTC
From: Dave, K2DP
Topic: 4598 Message: 4600

Bill,

I have also been playing around with the Alpha Delta -LB antenna mounted in an inverted V configuration and have not been satisfied with the way in works on 160 mtrs. The problem is that the Q is so high on 160 mtrs that the antenna must be installed completely in the clear in order for it to resonate properly on 160 mtrs. In my installation, the feed point of the antenna is just 5 feet above the peak of my roof (approximately 40 ft above ground). The antenna extends across the front and rear slopes of my roof and for 25 feet in both directions, is between 5 and 8 feet at the most above the surface of the roof. This detunes the antenna so much that with a coax feed, I could not get it to load correctly (even with a wide range tuner) even on 75 mtrs. I finally changed the feedline and the center insulator out to a 450 ohm ladder line feed system. I used that very sucessfully into a Dentron MT-2000A tuner for a couple of years. I have now been experimenting with using a 1:1 current balun to transition the ladder line to coax at the entry point to the shack. The Balun is a DX-Engineering unit. That too is working well for 40/75 & 80 mtrs. However, it is very difficult to tune 160 mtrs.

I have a similar antenna installed at our club station at work (Boeing Aerospace, WØMA) and it is mounted in a dipole configuration at 30 foot above a roof which is 40 feet above ground, for a total height of 70 feet. The antenna loads fine on 160 mtrs and is resonant around 1820 khz with the 2:1 SWR bandwidth only about 20 khz ! As I mentioned before, this antenna is a very HI Q design, developing significant current nodes along the antenna. Recently , we literally melted one of the end insulators while running the KW on 160 mtrs !

Good luck, but I think it is very difficult to use a shortened antenna, other than a vertical with a good ground, on 160 mts.

73,
Dave, K2DP
Trustee, WØMA, Boeing Employees Amateur Radio Society - St. Louis
----- Original Message -----
From: Leonard K. Pennock
To: ham-antennas@yahoogroups.com
Sent: Monday, April 07, 2008 11:12 PM
Subject: Re: [ham-antennas] Alpha Delta Antenna

You may have exceed the 10:1 limit of the tuner. Doesn't take very far
on 160M to hit that much SWR.

Bill Reid wrote:
> I purchased an Alpha Delta-LB Plus and installed it this past weekend.
> It tunes fine on all bands except 160M. I'm using a FT100D radio
> and a LDG AT-200Pro antenna tuner.
>
> I put a spectrum analyzer on it in reflection mode and it shows the least
> reflection around 1.76Mhz. I would have thought that the tuner would have

> tuned this antenna.
> What do I need to do? The instructions are not that good nor is online help.
> I'm guessing that I need to shorten the end of the line next to the insulator,
> but I was hoping the tuner would do it, as it will be some work to
> get at one of the ends.
>
>
> 73
> Bill
> VA3QB
>

--
Leonard K. Pennock
AD7AS

Those who walk bravely through life, unafraid of loss or failure,
find that they very rarely lose or fail.

[Non-text portions of this message have been removed]

4601. Re: [ham-antennas] Alpha Delta Antenna

Yahoo group: ham-antennas (2008)
Date: 2008-04-08 14:02:12 UTC
From: Chris
Topic: 4598 Message: 4601

Funny you mention this. I was just running my analyzer on one last night at a friend's house.

160m is fairly narrow on it so he had to go through a tuning cycle for 160m and 80m to get them both where he wanted them. Basically he shortened up the wires a bit and re-checked and repeated a few times.

It's a bit tedious, but we got it right where he wanted it. It was down to 1:1 on 160m where he wanted the center when we were done.

The SWR definitely takes off rapidly once you reach the edge of the tuned segment though so it isn't surprising to me that you had issues if you were trying to tune 1900 or so with your antenna.

I was impressed with it overall, I'd much rather see a narrow range like this on a multi-band as it generally indicates less losses than some of the terminated folded dipole dummy loads.

Take some time and tweak the tuning, start with 160m and work in and do 80m after you get it set, there is interaction between them as you tune so it's a bit annoying, but will pay off.

We were making contacts with 5W from his 817 with it when we were done, so it does radiate pretty well. I managed to snag Canary Islands on 40m PSK with it on 5W.

On Mon, Apr 7, 2008 at 6:54 PM, Bill Reid <va3qb@...> wrote:
>
> I purchased an Alpha Delta-LB Plus and installed it this past weekend.
> It tunes fine on all bands except 160M. I'm using a FT100D radio
> and a LDG AT-200Pro antenna tuner.
>
> I put a spectrum analyzer on it in reflection mode and it shows the least
> reflection around 1.76Mhz. I would have thought that the tuner would have
> tuned this antenna.
> What do I need to do? The instructions are not that good nor is online help.
> I'm guessing that I need to shorten the end of the line next to the insulator,
> but I was hoping the tuner would do it, as it will be some work to
> get at one of the ends.
>
>
> 73
> Bill
> VA3QB
>
>
> ----------

>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 974 members (as of 11/07/07, and attachments are NOT permitted.
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4602. Re: [ham-antennas] Suggestions for dipole supports

Yahoo group: ham-antennas (2008)
Date: 2008-04-08 14:12:56 UTC
From: Chris
Topic: 4591 Message: 4602

For 20 feet, I recommend hurricane fence 'top rail' Home Depot sells it for $9.50 for a 10' length locally. I took the slip joints and drilled them and ran sheet metal screws in to set the joint.

It's galvanized so it should hold up reasonably well in the weather.

If you bracket them against a fence post, they will need no guying. I have a 17' vertical on top of 20' of this on the side of my house and it is rock steady in winds I've seen up to 40mph so far.

I'm not sure how 30' of them will hold up....but I'm getting curious as I'd like to use two 30' setups as back supports for a loop here.

You'll want a few feet distance from the ends of the dipoles so they won't affect the tuning.

On Sun, Apr 6, 2008 at 10:39 PM, James Fogg <james@...> wrote:
> I'm trying to think of a good support for either the center of an
> inverted V or end supports for a flat top. I'm looking for support from
> the ground up to 20 or more feet.
>
> What do others use? Is metal pipe a poor choice? Does PVC have enough
> strength at 20 plus feet?
>
> My situation is my trees are too far away for anything shorter than an
> 80M dipole. Even a 160M dipole doesn't reach my trees.
>
>
>
> ---
>
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> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
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>

4603. Re: Putting up 2nd Dipole - Different direction/orientation

Yahoo group: ham-antennas (2008)
Date: 2008-04-08 15:50:56 UTC
From: Paul
Topic: 4561 Message: 4603

All kinds of stuff can happen...

If the two dipoles are properly spaced and the phase angle is
correct, the resulting array will be directional "straight up" !!!
with circular polarization...

This is not all bad; on 40 and 60 meters it would be GREAT for NVIS.

Paul - K9ERG

--- In ham-antennas@yahoogroups.com, "Callum M0MCX" <callum@...>
wrote:
>
> Using the same feedpoint is a complete red herring.
>
> Just split them and build two of the blighters on different
feedpoints. It
> will work as you plan. Really.
>
> Callum McCormick
>
> T: 07976 631881
>
> http://www.m0mcx.co.uk/

4604. Re: Quad Questions

Yahoo group: ham-antennas (2008)
Date: 2008-04-09 06:00:28 UTC
From: Keith
Topic: 4453 Message: 4604

Callum

I'm running a 23' vertical .640 DC ground version of the Avanti Sigma I built.
It works quite well considering it's location and elevation.
The only part on it that I didn't make is the hub for the ground radials.
It's a cast aluminum hub that is the weakest link, most problematic part of the antenna.
The hub issue will be addressed and fixed when I get the time and after the best resolve pops into my head.
It survived high winds that took out about every factory built antenna in this area.
It was really quiet around here after that storm until they all put up new antennas.
The wind was so strong it ripped shingles from the roofs but my antenna survived.
It has to, it's so close to high voltage power lines it can't blow over.
If it did the push-up pole mast would come in contact with the power lines so I build things to stay put.
It has a dual tuning system, one to tune the electrical length and the other to tune the DC ground side.
I tuned it with an electrical 1/4 WL of coax and my MFJ antenna analyzer.

Enough about that, my main intent was about your reply.

When you say "1/4 wave stub" are you referring to an electrical 1/4 WL of 75 ohm coax?
Just want to make sure we're on the same page here.

"Work out the natural impedance then match it afterwards"

Not sure what you mean there.
The loop size matched with the 1/4 WL of 75 ohm coax?
I'm using this quad calc for the wire length loop and spacing.
http://signalengineering.com/ultimate/4_element_quad.html

Is that calc good for loop size and spacing?

Why is it that the driven loop on a quad is always longer than a full wave length no matter which quad calc is used?
What am I missing there?

More severe weather approaching so it's time to go, the lightning is getting closer.

Thanks

Keith

--- In ham-antennas@yahoogroups.com, "Callum M0MCX" <callum@...>
wrote:
>
> Keith,
>
>
>
> Frankly, I would say the 1/4 wave stub sounds the best matching
idea since
> it's cheap and easy. Work out the natural impedance then match it
> afterwards.
>
>
>
> For the wavelength you are on, with the horizontal polarisation, I
would not
> worry in the slightest about the tower getting in the way of you
antenna.
> Plenty of people do this with 6, 2 and 70cms quads on aluminium
poles and
> they never complain. Lower down the frequency spectrum, this will
be a
> breeze.
>
>
>
> In terms of flood plain and competing with stations 200 feet above
you, for
> DX this is irrelevant - unless you are trying to communicate line
of sight
> (ground wave). DX will only require a 5 to 10 degree elevation from
you to
> horizon.
>
>
>
> May I ask what antenna you are running with now...?
>
>
>
>
>
> Callum McCormick
>
> T: 07976 631881
>
> http://www.m0mcx.co.uk/
>

>
>
> While others were busy thinking outside the box, I cut it up
because I
> needed some cardboard for a project I was making.

4605. MFJ969 versa tuner II

Yahoo group: ham-antennas (2008)
Date: 2008-04-09 08:11:00 UTC
From: vk2pws
Topic: 4605 Message: 4605

Hi all,
Newbie to the group. I just picked up a pre-loved MFJ969 versa tuner with roller inductor. I've lifted the lid like you do to make sure everything is intack or not burnt out especially the baluns. The inductor appears clear of any corrosion as does the roller.

The question here is, is there anything on the market to clean the inductor or roller as I want to make sure I have a prefect electrical connection between the two.

Regards
Wayne VK2PWS

4606. Re: MFJ969 versa tuner II

Yahoo group: ham-antennas (2008)
Date: 2008-04-09 13:46:53 UTC
From: Dana Elliott
Topic: 4605 Message: 4606

I have this tuner also. What I use is silver cleaner. I buy mine from Walmart or simular store in the jewelry section. It's a liquid. I wet a small towel corner and turn the inductor while holding the wet towel against the inductor.

Watch out for the soldered ends they like to eat the towel. The spring loaded roller is sharp but it needs cleaning as well.

That's how I do it. This tuner is prone to need cleaning every six months or so. Your milage may vary.

Dana - KR7P (new call since we moved to seven land)

--- In ham-antennas@yahoogroups.com, "vk2pws" <vk2pws@...> wrote:
>
>
> Hi all,
> Newbie to the group. I just picked up a pre-loved MFJ969 versa tuner
> with roller inductor. I've lifted the lid like you do to make sure
> everything is intack or not burnt out especially the baluns. The
> inductor appears clear of any corrosion as does the roller.
>
> The question here is, is there anything on the market to clean the
> inductor or roller as I want to make sure I have a prefect electrical
> connection between the two.
>
> Regards
> Wayne VK2PWS
>

4607. Satellite Antenna motion range

Yahoo group: ham-antennas (2008)
Date: 2008-04-09 18:47:08 UTC
From: wizhippo
Topic: 4607 Message: 4607

I am making a portable lightweigt satellite anttena and tracking system.

I am making the antenna's according to the amsat cheap antenna designs using laminated foam board for the booms.

What I am interested in is what range of movement is normally needed during a satellite pass?

For example do I need more then 90deg elevation and 180deg azimuth of movement during a single pass?

If this is the wrong groups to ask this in please direct me to the correct one.

4608. Re: Satellite Antenna motion range

Yahoo group: ham-antennas (2008)
Date: 2008-04-09 20:28:20 UTC
From: James Hickox
Topic: 4607 Message: 4608

Many old timers used to mount their antennas with about a 20-30 degree elevation to the horizon and fix the antenns at that position, allowing them to only track in azimuth. I have used this idea also with good results. You may find that there are very few passes when a LEO bird is high enough to warrant a 90 degree elevation.

By the way, just using an azimuth tracking system can be very inexpensive and workable with older hardware. Do a web search for "a ptractcle rotor system" to get some more ideas.

73,

James, AA5AO
--- In ham-antennas@yahoogroups.com, "wizhippo" <wizhippo@...> wrote:
>
> I am making a portable lightweigt satellite anttena and tracking
system.
>
> I am making the antenna's according to the amsat cheap antenna designs
> using laminated foam board for the booms.
>
> What I am interested in is what range of movement is normally needed
> during a satellite pass?
>
> For example do I need more then 90deg elevation and 180deg azimuth of
> movement during a single pass?
>
> If this is the wrong groups to ask this in please direct me to the
> correct one.
>

4609. Mobile - Multiple 2 meter antennas

Yahoo group: ham-antennas (2008)
Date: 2008-04-10 15:28:01 UTC
From: N3UJJ (Scott Gillis)
Topic: 4609 Message: 4609

Hello to the Group,

I'm looking for suggestions & feedback on mounting two 2 meter antennas (and a Tarheel II) on top of a Minivan (Toyota Sienna to be exact).

I currently have an IC-2200H that I use for APRS (transmits roughly every 60 seconds), and will be adding an IC-7000 with a diamond Dual band antenna.

I'm concerned about the close proximity of the the antennas with 50 watts output on 2 meters (as well as the 100 watts on HF)

Scott Gillis N3UJJ
<http://location.n3ujj.com/> My Current Location
<http://weather.n3ujj.com/> My Amateur Weather Station

[Non-text portions of this message have been removed]

4610. RE: [ham-antennas] Mobile - Multiple 2 meter antennas

Yahoo group: ham-antennas (2008)
Date: 2008-04-10 16:58:16 UTC
From: James Fogg
Topic: 4609 Message: 4610

I would be concerned too. A resonant antenna will have much more RF energy appear on it when the neighboring antenna transmits in the same band. Naturally, this occurs in a repeater and the solution is a tuned duplexer array. That wouldn't be ideal since I'd imagine you'd like to transmit on more than one frequency.

At a minimum, each transmitter will cause receiver desense in the other. I don't think it will actually break anything though. It could possibly help if there's an antenna for a different band in between the two 2M antennas, but it won't be enough to prevent desense.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
On Behalf Of N3UJJ (Scott Gillis)
Sent: Thursday, April 10, 2008 11:28 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Mobile - Multiple 2 meter antennas

Hello to the Group,

I'm looking for suggestions & feedback on mounting two 2 meter antennas (and
a Tarheel II) on top of a Minivan (Toyota Sienna to be exact).

I currently have an IC-2200H that I use for APRS (transmits roughly every 60
seconds), and will be adding an IC-7000 with a diamond Dual band antenna.

I'm concerned about the close proximity of the the antennas with 50 watts
output on 2 meters (as well as the 100 watts on HF)

Scott Gillis N3UJJ
<http://location.n3ujj.com/ <http://location.n3ujj.com/> > My Current Location
<http://weather.n3ujj.com/ <http://weather.n3ujj.com/> > My Amateur Weather Station

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

4611. Re: Satellite Antenna motion range

Yahoo group: ham-antennas (2008)
Date: 2008-04-10 17:41:25 UTC
From: wizhippo
Topic: 4607 Message: 4611

Thanks for the ideas.

I am thing of using some RC servos controlled by my laptop. It will be very light duty. Having the fixed azimuth definatley reduces the complexity.

--- In ham-antennas@yahoogroups.com, "James Hickox" <jameshickox@...> wrote:
>
> Many old timers used to mount their antennas with about a 20-30 degree
> elevation to the horizon and fix the antenns at that position, allowing
> them to only track in azimuth. I have used this idea also with good
> results. You may find that there are very few passes when a LEO bird
> is high enough to warrant a 90 degree elevation.
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> inexpensive and workable with older hardware. Do a web search for "a
> ptractcle rotor system" to get some more ideas.
>
> 73,
>
> James, AA5AO
> --- In ham-antennas@yahoogroups.com, "wizhippo" <wizhippo@> wrote:
> >
> > I am making a portable lightweigt satellite anttena and tracking
> system.
> >
> > I am making the antenna's according to the amsat cheap antenna designs
> > using laminated foam board for the booms.
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> > What I am interested in is what range of movement is normally needed
> > during a satellite pass?
> >
> > For example do I need more then 90deg elevation and 180deg azimuth of
> > movement during a single pass?
> >
> > If this is the wrong groups to ask this in please direct me to the
> > correct one.
> >
>

4612. Using galvanized fence wire for homebrew 70cm yagi

Yahoo group: ham-antennas (2008)
Date: 2008-04-10 17:54:34 UTC
From: wizhippo
Topic: 4612 Message: 4612

besides soldering to it, should I be ok using galvanized fence wire(As I have a surplus and it is heavier than any other gage of wire that I currently have) to use as the elements to make my homebrew yagi?

4613. RE: [ham-antennas] Using galvanized fence wire for homebrew 70cm yagi

Yahoo group: ham-antennas (2008)
Date: 2008-04-10 18:04:50 UTC
From: James Fogg
Topic: 4612 Message: 4613

I'm not sure how well it will solder, but if you weld it be aware that the zinc in galvi will vaporize and is poisonous.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of wizhippo
Sent: Thursday, April 10, 2008 1:55 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Using galvanized fence wire for homebrew 70cm yagi

besides soldering to it, should I be ok using galvanized fence wire(As I have a surplus and it is heavier than any other gage of wire that I currently have) to use as the elements to make my homebrew yagi?

[Non-text portions of this message have been removed]

4614. Re: [ham-antennas] Using galvanized fence wire for homebrew 70cm yagi

Yahoo group: ham-antennas (2008)
Date: 2008-04-10 18:19:03 UTC
From: Karl Moll
Topic: 4612 Message: 4614

Soldering anything that is galvanized is child's play. The galvanized coating takes it very well.

James Fogg wrote:
>
> I'm not sure how well it will solder, but if you weld it be aware that
> the zinc in galvi will vaporize and is poisonous.
>
> _____
>
> From: ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>
> [mailto:ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>]
> On Behalf Of wizhippo
> Sent: Thursday, April 10, 2008 1:55 PM
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Subject: [ham-antennas] Using galvanized fence wire for homebrew 70cm
> yagi
>
> besides soldering to it, should I be ok using galvanized fence wire(As
> I have a surplus and it is heavier than any other gage of wire that I
> currently have) to use as the elements to make my homebrew yagi?
>
> [Non-text portions of this message have been removed]
>
>

[Non-text portions of this message have been removed]

4615. Re: Using galvanized fence wire for homebrew 70cm yagi

Yahoo group: ham-antennas (2008)
Date: 2008-04-10 18:23:47 UTC
From: wizhippo
Topic: 4612 Message: 4615

After recalling that you can't solder copper pipe to galvanzied pipe
for plumbing, I'm not going to solder to the wire but use clamps instead.

Thanks for the insight.

--- In ham-antennas@yahoogroups.com, "James Fogg" <james@...> wrote:
>
> I'm not sure how well it will solder, but if you weld it be aware that
> the zinc in galvi will vaporize and is poisonous.
>
>
>
>
>
>
>
>
>
>
>
> _____
>
> From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> On Behalf Of wizhippo
> Sent: Thursday, April 10, 2008 1:55 PM
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] Using galvanized fence wire for homebrew 70cm
> yagi
>
>
>
> besides soldering to it, should I be ok using galvanized fence wire(As
> I have a surplus and it is heavier than any other gage of wire that I
> currently have) to use as the elements to make my homebrew yagi?
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

4616. RE: [ham-antennas] Re: Quad Questions

Yahoo group: ham-antennas (2008)
Date: 2008-04-10 22:10:06 UTC
From: Callum M0MCX
Topic: 4453 Message: 4616

Hi Keith,

Most of us here build stuff and work out afterwards if it worked or not (!).

In your case, it's more difficult - you are rightly trying to get the basic design down on paper before you commit - however there's some element of chicken and egg because even factories build - then test. You will have to do something along the build-then-test route unless you buy a pre-configured system.

The impedance of a quad? I don't know. Build it, then measure it - then match it. That's what I do.

I think I recommended this before - but if you are into vertical gain for 11 meters, I wouldn't build a quad. I really would not. The chances of not getting it absolutely right out-way the possible rewards - and getting it a bit wrong will wreak your gain figures. Building a 4 element vertical yagi on the other hand has a lot going for it. It's basically got lots less risk associated with something going wrong and is easier to match.

I think you'll find that if you want more answers, you'll need to become an antenna experimenter and get the thing singing. But then report back here and tell us what you discovered.

Best I can do right now (half a bottle of wine down and dog tired!!)

Callum McCormick

T: 07976 631881

http://www.m0mcx.co.uk/

While others were busy thinking outside the box, I cut it up because I needed some cardboard for a project I was making.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Keith
Sent: 09 April 2008 07:00
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: Quad Questions

Callum

I'm running a 23' vertical .640 DC ground version of the Avanti Sigma I built.
It works quite well considering it's location and elevation.
The only part on it that I didn't make is the hub for the ground radials.

It's a cast aluminum hub that is the weakest link, most problematic part of the antenna.
The hub issue will be addressed and fixed when I get the time and after the best resolve pops into my head.
It survived high winds that took out about every factory built antenna in this area.
It was really quiet around here after that storm until they all put up new antennas.
The wind was so strong it ripped shingles from the roofs but my antenna survived.
It has to, it's so close to high voltage power lines it can't blow over.
If it did the push-up pole mast would come in contact with the power lines so I build things to stay put.
It has a dual tuning system, one to tune the electrical length and the other to tune the DC ground side.
I tuned it with an electrical 1/4 WL of coax and my MFJ antenna analyzer.

Enough about that, my main intent was about your reply.

When you say "1/4 wave stub" are you referring to an electrical 1/4 WL of 75 ohm coax?
Just want to make sure we're on the same page here.

"Work out the natural impedance then match it afterwards"

Not sure what you mean there.
The loop size matched with the 1/4 WL of 75 ohm coax?
I'm using this quad calc for the wire length loop and spacing.
http://signalengineering.com/ultimate/4_element_quad.html

Is that calc good for loop size and spacing?

Why is it that the driven loop on a quad is always longer than a full wave length no matter which quad calc is used?
What am I missing there?

More severe weather approaching so it's time to go, the lightning is getting closer.

Thanks

Keith

--- In ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
, "Callum M0MCX" <callum@...>
wrote:
>
> Keith,
>
>
>

> Frankly, I would say the 1/4 wave stub sounds the best matching
idea since
> it's cheap and easy. Work out the natural impedance then match it
> afterwards.
>
>
>
> For the wavelength you are on, with the horizontal polarisation, I
would not
> worry in the slightest about the tower getting in the way of you
antenna.
> Plenty of people do this with 6, 2 and 70cms quads on aluminium
poles and
> they never complain. Lower down the frequency spectrum, this will
be a
> breeze.
>
>
>
> In terms of flood plain and competing with stations 200 feet above
you, for
> DX this is irrelevant - unless you are trying to communicate line
of sight
> (ground wave). DX will only require a 5 to 10 degree elevation from
you to
> horizon.
>
>
>
> May I ask what antenna you are running with now...?
>
>
>
>
>
> Callum McCormick
>
> T: 07976 631881
>
> http://www.m0mcx.co.uk/
>
>
>
> While others were busy thinking outside the box, I cut it up
because I
> needed some cardboard for a project I was making.

[Non-text portions of this message have been removed]

4617. RE: [ham-antennas] Using galvanized fence wire for homebrew 70cm yagi

Yahoo group: ham-antennas (2008)
Date: 2008-04-11 02:20:00 UTC
From: Kirk Morrison
Topic: 4612 Message: 4617

The one real problem I have had using fence wire is that often it degrades quickly and you have to clean it or repair it too often to be really useful over more than a couple or three years. Other than that it works fine.

Kirk KA4PXK

_____
More immediate than e-mail? Get instant access with Windows Live Messenger.
http://www.windowslive.com/messenger/overview.html?ocid=TXT_TAGLM_WL_Refresh_instantaccess_042008

4618. Re: MFJ969 versa tuner II

Yahoo group: ham-antennas (2008)
Date: 2008-04-11 07:23:44 UTC
From: vk2pws
Topic: 4605 Message: 4618

Thanks a heap Dana,
will get some of the cleaner when I next go shopping.
Wayne, VK2PWS

--- In ham-antennas@yahoogroups.com, "Dana Elliott" <k6dle@...> wrote:
>
>
> I have this tuner also. What I use is silver cleaner. I buy mine
from
> Walmart or simular store in the jewelry section. It's a liquid. I
wet
> a small towel corner and turn the inductor while holding the wet
towel
> against the inductor.
>
> Watch out for the soldered ends they like to eat the towel. The
spring
> loaded roller is sharp but it needs cleaning as well.
>
> That's how I do it. This tuner is prone to need cleaning every six
> months or so. Your milage may vary.
>
> Dana - KR7P (new call since we moved to seven land)
>
>
>
>
>
>
>
> --- In ham-antennas@yahoogroups.com, "vk2pws" <vk2pws@> wrote:
> >
> >
> > Hi all,
> > Newbie to the group. I just picked up a pre-loved MFJ969 versa
tuner
> > with roller inductor. I've lifted the lid like you do to make
sure
> > everything is intack or not burnt out especially the baluns. The
> > inductor appears clear of any corrosion as does the roller.
> >
> > The question here is, is there anything on the market to clean
the
> > inductor or roller as I want to make sure I have a prefect
electrical

> > connection between the two.
> >
> > Regards
> > Wayne VK2PWS
> >
>

4619. Support rope

Yahoo group: ham-antennas (2008)
Date: 2008-04-12 08:12:19 UTC
From: Dick Williams
Topic: 4619 Message: 4619

I am looking to purchase support rope for wire antennas and just can't seem to find it online at any of the usual ham radio stores. Also what is the best type rope to use. Dacron, Nylon? Looking for rope that will withstand wx here in NW Pennsylvania.

73

Rich
KB3OMJ

4620. Re: [ham-antennas] Support rope

Yahoo group: ham-antennas (2008)
Date: 2008-04-12 12:31:02 UTC
From: Garth Conover
Topic: 4619 Message: 4620

UV resistant Dacron is your best bet. GO to:

http://thewireman.com/products.html<http://thewireman.com/products.html>

----- Original Message -----
From: Dick Williams<mailto:hermit@...>
To: ham-antennas@yahoogroups.com<mailto:ham-antennas@yahoogroups.com>
Sent: Saturday, April 12, 2008 4:12 AM
Subject: [ham-antennas] Support rope

I am looking to purchase support rope for wire antennas and just can't
seem to find it online at any of the usual ham radio stores. Also
what is the best type rope to use. Dacron, Nylon? Looking for
rope that will withstand wx here in NW Pennsylvania.

73

Rich
KB3OMJ

[Non-text portions of this message have been removed]

4621. Re: [ham-antennas] Support rope

Yahoo group: ham-antennas (2008)
Date: 2008-04-12 13:52:28 UTC
From: W8OKN
Topic: 4619 Message: 4621

I bought some at Universal radio near Columbus, OH, USA, that worked well.

W8OKN

----- Original Message -----
From: Dick Williams
To: ham-antennas@yahoogroups.com
Sent: Saturday, April 12, 2008 4:12 AM
Subject: [ham-antennas] Support rope

I am looking to purchase support rope for wire antennas and just can't
seem to find it online at any of the usual ham radio stores. Also
what is the best type rope to use. Dacron, Nylon? Looking for
rope that will withstand wx here in NW Pennsylvania.

73

Rich
KB3OMJ

No virus found in this incoming message.
Checked by AVG.
Version: 7.5.519 / Virus Database: 269.22.12/1374 - Release Date: 4/11/2008 4:59 PM

[Non-text portions of this message have been removed]

4622. RE: [ham-antennas] Support rope

Yahoo group: ham-antennas (2008)
Date: 2008-04-12 15:14:01 UTC
From: James M.(Jim) Geidl
Topic: 4619 Message: 4622

Rich,

Look for kite suppliers. I buy kite string. Now this isn't your usual 500' for 10 cent kite string. The stuff I buy is rated at 450 lb. and is Dacron. You want Dacron because it resists UV. The last role I bought was 500' for $50.00 so it is workable in price.

Jim, K6JMG
//

> [mailto:ham-antennas@yahoogroups.com] On Behalf Of Dick Williams
> Sent: Saturday, April 12, 2008 12:12 AM
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] Support rope
>
> I am looking to purchase support rope for wire antennas and
> just can't seem to find it online at any of the usual ham
> radio stores. Also what is the best type rope to use.
> Dacron, Nylon? Looking for rope that will withstand wx here
> in NW Pennsylvania.
>
> 73
>
> Rich
> KB3OMJ
>

4623. Re: Alpha Delta Antenna

Yahoo group: ham-antennas (2008)
Date: 2008-04-12 16:22:03 UTC
From: Bill Reid
Topic: 4598 Message: 4623

I shortened the lead on one end slightly and was able to get the
center location to 1.84mhz ,
but my tuner still will not tune it, even right on the center frequency.

I had a thought after reading the most recent post about a request
for support rope.

I am using antenna wire as a support cable instead of rope. It is
connected on the opposite side of the
last insulator to the tree where it is supported. I use wire for
support on both ends of the dipole.

Could there be an interaction causing me not to be able to tune on 160 Meters?

73
Bill
VA3QB

Mon Apr 7, 2008 7:59 pm (PDT)

I purchased an Alpha Delta-LB Plus and installed it this past weekend.
It tunes fine on all bands except 160M. I'm using a FT100D radio
and a LDG AT-200Pro antenna tuner.
I put a spectrum analyzer on it in reflection mode and it shows the least
reflection around 1.76Mhz. I would have thought that the tuner would have
tuned this antenna.
What do I need to do? The instructions are not that good nor is online help.
I'm guessing that I need to shorten the end of the line next to the insulator,
but I was hoping the tuner would do it, as it will be some work to
get at one of the ends.
73
Bill
VA3QB

[Non-text portions of this message have been removed]

4624. Re: Alpha Delta Antenna

Yahoo group: ham-antennas (2008)
Date: 2008-04-12 17:26:13 UTC
From: oceanbiz01
Topic: 4598 Message: 4624

Bill

Did you read the Eham.net reviews? This one is particulary interesting
>>> http://www.eham.net/reviews/review/55771

It mentions the arc supressor should be removed at off resonant
frequencies.

Please let me know how you make out. I am interested in maybe buying
one of these antennas.

Best Regards
Dan Schaaf
K3ZXL

--- In ham-antennas@yahoogroups.com, Bill Reid <va3qb@...> wrote:
>
>
>
> I shortened the lead on one end slightly and was able to get the
> center location to 1.84mhz ,
> but my tuner still will not tune it, even right on the center frequency.
>
> I had a thought after reading the most recent post about a request
> for support rope.
>
> I am using antenna wire as a support cable instead of rope. It is
> connected on the opposite side of the
> last insulator to the tree where it is supported. I use wire for
> support on both ends of the dipole.
>
> Could there be an interaction causing me not to be able to tune on
160 Meters?
>
> 73
> Bill
> VA3QB
>
>
>
>
> Mon Apr 7, 2008 7:59 pm (PDT)
>
> I purchased an Alpha Delta-LB Plus and installed it this past weekend.
> It tunes fine on all bands except 160M. I'm using a FT100D radio
> and a LDG AT-200Pro antenna tuner.

> I put a spectrum analyzer on it in reflection mode and it shows the
least
> reflection around 1.76Mhz. I would have thought that the tuner would
have
> tuned this antenna.
> What do I need to do? The instructions are not that good nor is
online help.
> I'm guessing that I need to shorten the end of the line next to the
insulator,
> but I was hoping the tuner would do it, as it will be some work to
> get at one of the ends.
> 73
> Bill
> VA3QB
>
>
> [Non-text portions of this message have been removed]
>

4625. Re: Support rope

Yahoo group: ham-antennas (2008)
Date: 2008-04-13 01:26:33 UTC
From: Mike
Topic: 4619 Message: 4625

I am looking to purchase support rope for wire antennas and just can't seem to find it online at any of the usual ham radio stores. Also what is the best type

dick,

most of the group might not agree with this, but i will tell you what i use for support rope, and it aint rope at all. i buy 2000 feet of .080 weedeater line, at walmart for 15 dollars. i think you can pull a truck around with this stuff, haven't broken it yet. won't be effected by sun, etc. i use crimp on sleeves to couple it or double it back on itself and tie.

give it a try.
mike

[Non-text portions of this message have been removed]

4626. Re: [ham-antennas] Re: Support rope

Yahoo group: ham-antennas (2008)
Date: 2008-04-13 01:40:17 UTC
From: Vlincoln
Topic: 4619 Message: 4626

parachute cord makes good line for antenna work, MUST be strong, has
a little give to it. surplus dealers sell it, google/ebay it, you'll
find some.
I think I bought 5000 feet for about $30 or so.
van lincoln
wd8aam

At 20:26 4/12/2008 -0500, you wrote:

>I am looking to purchase support rope for wire antennas and just can't
>seem to find it online at any of the usual ham radio stores. Also
>what is the best type
>
>dick,
>
>most of the group might not agree with this, but i will tell you
>what i use for support rope, and it aint rope at all. i buy 2000
>feet of .080 weedeater line, at walmart for 15 dollars. i think you
>can pull a truck around with this stuff, haven't broken it yet.
>won't be effected by sun, etc. i use crimp on sleeves to couple it
>or double it back on itself and tie.
>
>give it a try.
>mike
>
>[Non-text portions of this message have been removed]
>
>

[Non-text portions of this message have been removed]

4627. question...

Yahoo group: ham-antennas (2008)
Date: 2008-04-13 01:51:11 UTC
From: Ken Snipes
Topic: 4627 Message: 4627

Since I moved to the hills of Tn, I see the mountain behind me might be a bit of a problem....but since I have a lot of trees behind me, some over 100 ft, I'm thinking of getting a 2 meter 5/8 wave ground plane from lakeview.com , it's rather light weight and i could mount it on a 5 or 10 ft piece of pipe and tie it to tree.....

any advice pros or cons ?? I figure it might get me over this hill behind me a little better

Thanks for all your help

KD4IEN
10-10# 74734

You can also find me on the WEB at...
KD4IEN on the AOL imer
KD4IEN on Yahoo Messenger

4628. RE: [ham-antennas] question...

Yahoo group: ham-antennas (2008)
Date: 2008-04-13 02:47:39 UTC
From: James Fogg
Topic: 4627 Message: 4628

Check out google maps and choose the terrain view. It should give you an idea of what you need for altitude to get to a certain destination. Are you sure there's anything behind the hills that you want to talk to? You might try hiking up to the top with an HT and seeing what you hit.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
On Behalf Of Ken Snipes
Sent: Saturday, April 12, 2008 9:51 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] question...

Since I moved to the hills of Tn, I see the mountain behind me might be a bit of a problem....but since I have a lot of trees behind me, some over 100 ft, I'm thinking of getting a 2 meter 5/8 wave ground plane from lakeview.com , it's rather light weight and i could mount it on a 5 or 10 ft piece of pipe and tie it to tree.....

any advice pros or cons ?? I figure it might get me over this hill behind me a little better

Thanks for all your help

KD4IEN
10-10# 74734

You can also find me on the WEB at...
KD4IEN on the AOL imer
KD4IEN on Yahoo Messenger

[Non-text portions of this message have been removed]

4629. Re: question...

Yahoo group: ham-antennas (2008)
Date: 2008-04-13 12:34:18 UTC
From: Raymond Lucier
Topic: 4627 Message: 4629

--- In ham-antennas@yahoogroups.com, Ken Snipes <kd4ien@...> wrote:
>why not just build yourself an inexpensive 1/4 wave put it up as high
as you can,then take it from there. do some experimenting thats half
the fun.
n1plc. have a great day
>
> Since I moved to the hills of Tn, I see the mountain behind me might
> be a bit of a problem....but since I have a lot of trees behind me,
> some over 100 ft, I'm thinking of getting a 2 meter 5/8 wave ground
> plane from lakeview.com , it's rather light weight and i could mount
> it on a 5 or 10 ft piece of pipe and tie it to tree.....
>
> any advice pros or cons ?? I figure it might get me over this hill
> behind me a little better
>
> Thanks for all your help
>
> KD4IEN
> 10-10# 74734
>
> You can also find me on the WEB at...
> KD4IEN on the AOL imer
> KD4IEN on Yahoo Messenger
>

4630. windom

Yahoo group: ham-antennas (2008)
Date: 2008-04-14 01:31:41 UTC
From: ki4mga
Topic: 4630 Message: 4630

Gentleman:

I am fairly new to hf and antennas, and was wondering what would be
the results of a double length windom antenna? It would be cut for 160 m.
One leg would be 354 feet and the other would be 177.
I am open for any changes that would make this better for all purpose use.
It would be my second antenna, my first being a gap titan.

4631. RE: [ham-antennas] windom

Yahoo group: ham-antennas (2008)
Date: 2008-04-14 03:27:56 UTC
From: James Fogg
Topic: 4630 Message: 4631

Are you taking the dimensions for a Windom and simply doubling them? If that's what you're doing you'll change your feedpoint impedance considerably (in a bad way). I've never used a Windom and haven't studied their theory, but doubling most wire antenna lengths is a bad idea.

For "all purpose" use, an inverted V is a nice design. If you can achieve the height needed for a 160M inverted V you'll have an antenna with an almost omni directional pattern that you can use on other bands with a tuner.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
On Behalf Of ki4mga
Sent: Sunday, April 13, 2008 9:32 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] windom

Gentleman:

I am fairly new to hf and antennas, and was wondering what would be the results of a double length windom antenna? It would be cut for 160 m.
One leg would be 354 feet and the other would be 177.
I am open for any changes that would make this better for all purpose use.
It would be my second antenna, my first being a gap titan.

[Non-text portions of this message have been removed]

4632. 1/4 vertical

Yahoo group: ham-antennas (2008)
Date: 2008-04-14 14:26:22 UTC
From: Kd0zz
Topic: 4632 Message: 4632

Good day gentlemen. I just joined the group and was looking through pastposts. I am setting up a cage vertical on 20m and was wondering if Neil , G7AQK has any more comments on his set up. The feed point of the vertical will be 30' up with 18 radials, dropped approx 45 degrees to give 50 ohms. The vertical is a 4.5" diameter cage.

Rich , Kd0zz

As an act of plagiarism . Disclaimer: Any errors in spelling or facts are transmission errors.

[Non-text portions of this message have been removed]

4633. hf and 2 meter questions

Yahoo group: ham-antennas (2008)
Date: 2008-04-14 15:29:35 UTC
From: peglegkd5gyg
Topic: 4633 Message: 4633

Putting up a tower but to the east of my house I will not be able to clear the trees with the direction antenna. on hf how much does this effect your signal.

also I plan on mounting my hf beam on top and thought that I might mount a 2 meter direction antenna below, I have a couple yagi's that need to be hung somewhere. I how close to the HF antenna can it be before it will have an impact on it and the hf antenna. I plan on putting up some kind of multi band beam for hf.

thanks
chris
kd5gyg

4634. RE: [ham-antennas] 1/4 vertical

Yahoo group: ham-antennas (2008)
Date: 2008-04-14 15:33:03 UTC
From: Callum M0MCX
Topic: 4632 Message: 4634

Rich,

If this is a tuned and elevated radial system for a single band, you shouldn't need more than 2 (officially) and 8 (if you're like me) radials. I found no difference at all when I added more radials to an elevated system.

(ready to be shot down..!)

Just a thought.

Callum McCormick

http://www.m0mcx.co.uk/

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Kd0zz
Sent: 14 April 2008 15:26
To: ham-antennas@yahoogroups
Subject: [ham-antennas] 1/4 vertical

Good day gentlemen. I just joined the group and was looking through pastposts. I am setting up a cage vertical on 20m and was wondering if Neil , G7AQK has any more comments on his set up. The feed point of the vertical will be 30' up with 18 radials, dropped approx 45 degrees to give 50 ohms. The vertical is a 4.5" diameter cage.

Rich , Kd0zz

As an act of plagiarism . Disclaimer: Any errors in spelling or facts are transmission errors.

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

4635. VHF mag mount

Yahoo group: ham-antennas (2008)
Date: 2008-04-14 15:36:00 UTC
From: Callum M0MCX
Topic: 4635 Message: 4635

Can someone help me? What is the connector that is normally used on a magnetic mount for VHF / UHF? It's not an SO259. I can't work it out.

I have a very strong stainless N type stud mounted on a quarter inch thick steel roof and I want to buy some sort of change-over connector to mount a small VHF antenna directly to it.

?

Callum McCormick

<http://www.m0mcx.co.uk/> http://www.m0mcx.co.uk/

While others were busy thinking outside the box, I cut it up because I needed some cardboard for a project I was making.

[Non-text portions of this message have been removed]

4636. Re: [ham-antennas] VHF mag mount

Yahoo group: ham-antennas (2008)
Date: 2008-04-14 15:43:11 UTC
From: w8okn@charter.net
Topic: 4635 Message: 4636

If it is not UHF, then there are a few possibilities. Are you referring to BNC? PL259?

Can you go to Google images and do some research there? Sometimes seeing it is better than describing it.
--
From the desk of W8OKN, northern Michigan

---- Callum M0MCX <callum@...> wrote:
> Can someone help me? What is the connector that is normally used on a
> magnetic mount for VHF / UHF? It's not an SO259. I can't work it out.
>
>
>
> I have a very strong stainless N type stud mounted on a quarter inch thick
> steel roof and I want to buy some sort of change-over connector to mount a
> small VHF antenna directly to it.
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>
> Callum McCormick
>
> <http://www.m0mcx.co.uk/> http://www.m0mcx.co.uk/
>
>
>
> While others were busy thinking outside the box, I cut it up because I
> needed some cardboard for a project I was making.
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> [Non-text portions of this message have been removed]
>

4637. RE: [ham-antennas] 1/4 vertical

Yahoo group: ham-antennas (2008)
Date: 2008-04-14 15:44:02 UTC
From: w8okn@charter.net
Topic: 4632 Message: 4637

You are correct. There is a difference, but marginal. The standard is 3-4 here in the USA.
--
From the desk of W8OKN, northern Michigan

---- Callum M0MCX <callum@...> wrote:
> Rich,
>
>
>
> If this is a tuned and elevated radial system for a single band, you
> shouldn't need more than 2 (officially) and 8 (if you're like me) radials. I
> found no difference at all when I added more radials to an elevated system.
>
>
>
> (ready to be shot down..!)
>
>
>
> Just a thought.
>
>
>
>
>
> Callum McCormick
>
> http://www.m0mcx.co.uk/
>
>
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>
>
> From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On
> Behalf Of Kd0zz
> Sent: 14 April 2008 15:26
> To: ham-antennas@yahoogroups
> Subject: [ham-antennas] 1/4 vertical
>
>
>
>
>

> Good day gentlemen. I just joined the group and was looking through
> pastposts. I am setting up a cage vertical on 20m and was wondering if Neil
> , G7AQK has any more comments on his set up. The feed point of the vertical
> will be 30' up with 18 radials, dropped approx 45 degrees to give 50 ohms.
> The vertical is a 4.5" diameter cage.
>
> Rich , Kd0zz
>
> As an act of plagiarism . Disclaimer: Any errors in spelling or facts are
> transmission errors.
>
> [Non-text portions of this message have been removed]
>
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>
> [Non-text portions of this message have been removed]
>

4638. RE: [ham-antennas] VHF mag mount

Yahoo group: ham-antennas (2008)
Date: 2008-04-14 15:51:52 UTC
From: Callum M0MCX
Topic: 4635 Message: 4638

I've just tested it because I thought it was something else.

PL259's fit them, like this:

http://www.haydon.info/images/69b.jpg

All over.

Cheers.

Callum McCormick
http://www.m0mcx.co.uk/

While others were busy thinking outside the box, I cut it up because I needed some cardboard for a project I was making.

-----Original Message-----
From: w8okn@... [mailto:w8okn@...]
Sent: 14 April 2008 16:43
To: ham-antennas@yahoogroups.com
Cc: Callum M0MCX
Subject: Re: [ham-antennas] VHF mag mount

If it is not UHF, then there are a few possibilities. Are you referring to BNC? PL259?

Can you go to Google images and do some research there? Sometimes seeing it is better than describing it.
--
From the desk of W8OKN, northern Michigan

---- Callum M0MCX <callum@...> wrote:
> Can someone help me? What is the connector that is normally used on a
> magnetic mount for VHF / UHF? It's not an SO259. I can't work it out.
>
>
>
> I have a very strong stainless N type stud mounted on a quarter inch thick
> steel roof and I want to buy some sort of change-over connector to mount a
> small VHF antenna directly to it.
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>
>
> ?
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>

>
> Callum McCormick
>
> <http://www.m0mcx.co.uk/> http://www.m0mcx.co.uk/
>
>
>
> While others were busy thinking outside the box, I cut it up because I
> needed some cardboard for a project I was making.
>
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>
>
> [Non-text portions of this message have been removed]
>

4639. Re: [ham-antennas] hf and 2 meter questions

Yahoo group: ham-antennas (2008)
Date: 2008-04-14 21:08:34 UTC
From: Phil Bader
Topic: 4633 Message: 4639

Why would you mount the smaller 2 meter beam below the larger HF antenna???
I would have a nice vertical,say, 10 meter at top, then a 2 mtr beam with the HF beam (I assume beam,as you refer to a "direction antenna") below. Nice and neat. Still got room at the apex for a nice sloper, inverted V,etc.
Phil B
Philip Bader
pbader@...
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakelandarc.org/
Currently: Polk County School Board Electronics
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006

----- Original Message -----
From: peglegkd5gyg
To: ham-antennas@yahoogroups.com
Sent: Monday, April 14, 2008 11:29 AM
Subject: [ham-antennas] hf and 2 meter questions

Putting up a tower but to the east of my house I will not be able to clear the trees with the direction antenna. on hf how much does this effect your signal.

also I plan on mounting my hf beam on top and thought that I might mount a 2 meter direction antenna below, I have a couple yagi's that need to be hung somewhere. I how close to the HF antenna can it be before it will have an impact on it and the hf antenna. I plan on putting up some kind of multi band beam for hf.

thanks
chris
kd5gyg

No virus found in this incoming message.
Checked by AVG.
Version: 7.5.519 / Virus Database: 269.22.13/1377 - Release Date: 4/14/2008 9:26 AM

[Non-text portions of this message have been removed]

4640. Test

Yahoo group: ham-antennas (2008)
Date: 2008-04-14 22:18:39 UTC
From: Gary H. Harmon, Jr
Topic: 4640 Message: 4640

RYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYR
de K5JWK

Gary H. Harmon, Jr. / K5JWK
6003 Archwood
San Antonio, TX 78239-1504
210.884.6926

"Retirement means everyday is a Saturday except Sunday."

[Non-text portions of this message have been removed]

4641. Another Test

Yahoo group: ham-antennas (2008)
Date: 2008-04-15 02:11:33 UTC
From: Gary H. Harmon, Jr
Topic: 4641 Message: 4641

One of our members is getting two emails for every one sent. These test emails are being sent to try and remedy the situation. Sorry for the bandwidth.

Vr,

Gary H. Harmon, Jr. / K5JWK
6003 Archwood
San Antonio, TX 78239-1504
210.884.6926

"Retirement means everyday is a Saturday except Sunday."

[Non-text portions of this message have been removed]

4642. Test

Yahoo group: ham-antennas (2008)
Date: 2008-04-15 02:38:10 UTC
From: Rich Schmuke
Topic: 4640 Message: 4642

Well this is my test, lets see how many I get this time. I also added a picture of my homemade 40ft tilt up.

Rich , Kd0zz

As an act of plagiarism . Disclaimer: Any errors in spelling or facts are transmission errors.

[Non-text portions of this message have been removed]

4643. RE: [ham-antennas] Test

Yahoo group: ham-antennas (2008)
Date: 2008-04-15 02:42:53 UTC
From: William Leonard
Topic: 4640 Message: 4643

I am only getting one message at a time from you, but I didn't get any picture. It might be a problem on my end though.
Bill
N0CU

To: ham-antennas@yahoogroups.comFrom: rdj@...: Mon, 14 Apr 2008 21:38:10 -0500Subject: [ham-antennas] Test

Well this is my test, lets see how many I get this time. I also added apicture of my homemade 40ft tilt up.Rich , Kd0zzAs an act of plagiarism . Disclaimer: Any errors in spelling or facts aretransmission errors.[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

4644. RE: [ham-antennas] Test

Yahoo group: ham-antennas (2008)
Date: 2008-04-15 02:45:50 UTC
From: Gary H. Harmon, Jr
Topic: 4640 Message: 4644

Let me know how many copies you get. BTW, attachments are not allowed.

73,

Gary H. Harmon, Jr. / K5JWK
6003 Archwood
San Antonio, TX 78239-1504
210.884.6926

"Retirement means everyday is a Saturday except Sunday."

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Rich Schmuke
Sent: Monday, April 14, 2008 9:38 PM
To: ham-antennas@yahoogroups
Subject: [ham-antennas] Test

Well this is my test, lets see how many I get this time. I also added a picture of my homemade 40ft tilt up.

Rich , Kd0zz

As an act of plagiarism . Disclaimer: Any errors in spelling or facts are transmission errors.

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

4645. RE: [ham-antennas] Test

Yahoo group: ham-antennas (2008)
Date: 2008-04-15 03:03:00 UTC
From: Rich Schmuke
Topic: 4640 Message: 4645

Bill I added the picture at the group on Yahoo , you cant sent a picture and post it. My mail is a mess , I can not see a message when I send it only if you reply. My ISP has outsourced the mail and the first time I joined the group this AM I was getting double , I changed to a different name this evening and now it seems like I am getting one like I should.

Rich , Kd0zz

As an act of plagiarism . Disclaimer: Any errors in spelling or facts are transmission errors.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of William Leonard
Sent: Monday, April 14, 2008 9:43 PM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Test

I am only getting one message at a time from you, but I didn't get any picture. It might be a problem on my end though.
Bill
N0CU

To: ham-antennas@yahoogroups.comFrom <mailto:ham-antennas%40yahoogroups.comFrom> : rdj@... <mailto:rdj%40wildblue.netDate> : Mon, 14 Apr 2008 21:38:10 -0500Subject: [ham-antennas] Test

Well this is my test, lets see how many I get this time. I also added apicture of my homemade 40ft tilt up.Rich , Kd0zzAs an act of plagiarism . Disclaimer: Any errors in spelling or facts aretransmission errors.[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

4646. RE: [ham-antennas] Test

Yahoo group: ham-antennas (2008)
Date: 2008-04-15 03:05:23 UTC
From: William Leonard
Topic: 4640 Message: 4646

Rich, Thanks for the response. Hope you get things worked out.
Bill

To: ham-antennas@yahoogroups.comFrom: rdj@...: Mon, 14 Apr 2008 22:03:00 -0500Subject: RE: [ham-antennas] Test

Bill I added the picture at the group on Yahoo , you cant sent a picture andpost it. My mail is a mess , I can not see a message when I send it only ifyou reply. My ISP has outsourced the mail and the first time I joined thegroup this AM I was getting double , I changed to a different name thisevening and now it seems like I am getting one like I should.Rich , Kd0zzAs an act of plagiarism . Disclaimer: Any errors in spelling or facts aretransmission errors.From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] OnBehalf Of William LeonardSent: Monday, April 14, 2008 9:43 PMTo: ham-antennas@yahoogroups.comSubject: RE: [ham-antennas] TestI am only getting one message at a time from you, but I didn't get anypicture. It might be a problem on my end though.BillN0CUTo: ham-antennas@yahoogroups.comFrom<mailto:ham-antennas%40yahoogroups.comFrom> : rdj@...<mailto:rdj%40wildblue.netDate> : Mon, 14 Apr 2008 21:38:10 -0500Subject:[ham-antennas] TestWell this is my test, lets see how many I get this time. I also addedapicture of my homemade 40ft tilt up.Rich , Kd0zzAs an act of plagiarism .Disclaimer: Any errors in spelling or facts aretransmission errors.[Non-textportions of this message have been removed] [Non-text portions of this message have been removed][Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

4647. RE: [ham-antennas] Test

Yahoo group: ham-antennas (2008)
Date: 2008-04-15 12:33:47 UTC
From: Rich Schmuke
Topic: 4640 Message: 4647

I only got one copy this time, I guess my other email address has a glitch.

I did not try to attach a picture. I uploaded two pictures of my homemade tilt up at the groups web site.

Rich , Kd0zz

As an act of plagiarism . Disclaimer: Any errors in spelling or facts are transmission errors.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Gary H. Harmon, Jr
Sent: Monday, April 14, 2008 9:46 PM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Test

Let me know how many copies you get. BTW, attachments are not allowed.

73,

Gary H. Harmon, Jr. / K5JWK
6003 Archwood
San Antonio, TX 78239-1504
210.884.6926

"Retirement means everyday is a Saturday except Sunday."

From: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com> [mailto:ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>] On
Behalf Of Rich Schmuke
Sent: Monday, April 14, 2008 9:38 PM
To: ham-antennas@yahoogroups
Subject: [ham-antennas] Test

Well this is my test, lets see how many I get this time. I also added a picture of my homemade 40ft tilt up.

Rich , Kd0zz

As an act of plagiarism . Disclaimer: Any errors in spelling or facts are transmission errors.

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

4648. RE: [ham-antennas] Test

Yahoo group: ham-antennas (2008)
Date: 2008-04-15 12:38:57 UTC
From: Gary H. Harmon, Jr
Topic: 4640 Message: 4648

Thanks for letting me know. I'm ready to help if you have further questions or problems.

Best 73, gary

Gary H. Harmon, Jr. / K5JWK
6003 Archwood
San Antonio, TX 78239-1504
210.884.6926

"Retirement means everyday is a Saturday except Sunday."

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Rich Schmuke
Sent: Tuesday, April 15, 2008 7:34 AM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Test

I only got one copy this time, I guess my other email address has a glitch.

I did not try to attach a picture. I uploaded two pictures of my homemade tilt up at the groups web site.

Rich , Kd0zz

As an act of plagiarism . Disclaimer: Any errors in spelling or facts are transmission errors.

From: ham-antennas@ <mailto:ham-antennas%40yahoogroups.com> yahoogroups.com [mailto:ham-antennas@ <mailto:ham-antennas%40yahoogroups.com> yahoogroups.com] On
Behalf Of Gary H. Harmon, Jr
Sent: Monday, April 14, 2008 9:46 PM
To: ham-antennas@ <mailto:ham-antennas%40yahoogroups.com> yahoogroups.com
Subject: RE: [ham-antennas] Test

Let me know how many copies you get. BTW, attachments are not allowed.

73,

Gary H. Harmon, Jr. / K5JWK
6003 Archwood
San Antonio, TX 78239-1504
210.884.6926

"Retirement means everyday is a Saturday except Sunday."

From: ham-antennas@ <mailto:ham-antennas%40yahoogroups.com> yahoogroups.com
<mailto:ham-antennas%40yahoogroups.com>
[mailto:ham-antennas@ <mailto:ham-antennas%40yahoogroups.com>
yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
] On
Behalf Of Rich Schmuke
Sent: Monday, April 14, 2008 9:38 PM
To: ham-antennas@yahoogroups
Subject: [ham-antennas] Test

Well this is my test, lets see how many I get this time. I also added a
picture of my homemade 40ft tilt up.

Rich , Kd0zz

As an act of plagiarism . Disclaimer: Any errors in spelling or facts are
transmission errors.

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

4649. Hello Everybody. I have some nice old antennas...!

Yahoo group: ham-antennas (2008)
Date: 2008-04-15 17:15:57 UTC
From: Chris Moore
Topic: 4649 Message: 4649

Well new to the forum I am and also into antennas myself.
Well i have one or two which i would like some info on. So i will post them into the PHOTOS section and let you see the beasts. One i in need of repair which I hope some of you may be able to help me with some element sizes. Right i am just going to post them and return here to let you all know they are up....

4650. Re: Hello Everybody. I have some nice old antennas...!

Yahoo group: ham-antennas (2008)
Date: 2008-04-15 17:39:37 UTC
From: Chris Moore
Topic: 4649 Message: 4650

Right ppl.

The 70cms Jay Beam works and have had some nice qsos on that to scotland from N yorkshire.

The 16ele Jay beam is in need of repair and I will need some help as to size for the reflectors and the element which is missing half way down the boom. The broken one is easy if I measure from the center to the tip and double.

The slot fed 8x8 yagi i have not used yet but somone told me its 14db.

Any info on these antennas would be great. They are in the photos under (M3XLG Antennas).

I also own
7ele ZL Special
12ele ZL Special
Double size G5RV
EVX6000
Comet GP15
Antron 99

Do I fit in on this site is the burning question?

The only ones i dont use portable are the G5RV , Antron , GP 15...

Yes I am crazy.....

4651. 2nd Tilt Up

Yahoo group: ham-antennas (2008)
Date: 2008-04-06 22:54:39 UTC
From: Rich Schmuke
Topic: 4651 Message: 4651

I just posted some pictures of another tilt set up. This one can be put close to you house and them braced at the roof line if needed. It extends only on one side , not two like my first tilt up pictures. Also it is adjustable so the mast is completely vertical. This one is a little lighter duty and will be used for a 20m vertical , it can also be used as a dipole support. It has just been installed and still need a paint job. I can provide drawings for either set up.

Rich , Kd0zz

As an act of plagiarism . Disclaimer: Any errors in spelling or facts are transmission errors.

[Non-text portions of this message have been removed]

4652. Re: [ham-antennas] loop

Yahoo group: ham-antennas (2008)
Date: 2008-04-20 00:54:15 UTC
From: W8OKN
Topic: 4652 Message: 4652

It's Spring. I have this urge to change my antenna system.

A section of my house is nearly square. And, it is about 35 x 35 x 35 x 35 feet. Maybe it is time for a loop on top of the house, giving it a height of about 24 feet.

What say you?

W8OKN

[Non-text portions of this message have been removed]

4653. Re: [ham-antennas] loop

Yahoo group: ham-antennas (2008)
Date: 2008-04-20 03:55:19 UTC
From: danny garvin
Topic: 4652 Message: 4653

Sounds like the makings of a full size 40 meter loop I say go for it.
G.L.
Danny
WB9RIM

----- Original Message ----
From: W8OKN <w8okn@...>
To: ham-antennas@yahoogroups.com
Sent: Saturday, April 19, 2008 7:54:15 PM
Subject: Re: [ham-antennas] loop

It's Spring. I have this urge to change my antenna system.

A section of my house is nearly square. And, it is about 35 x 35 x 35 x 35 feet. Maybe it is time for a loop on top of the house, giving it a height of about 24 feet.

What say you?

W8OKN

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

4654. Two antennas on one coax

Yahoo group: ham-antennas (2008)
Date: 2008-04-20 13:55:15 UTC
From: noswadplease
Topic: 4654 Message: 4654

Hello group, I have an Icom R75 and a Yaesu VR-5000. One of my antennas is an AOR SA-7000 about 40ft up. Since the Yaesu receives up to 2.6 ghz and the SA-7000 receives to 2ghz, I was thinking about adding a discone rated to 3ghz. What I am thinking about doing is connecting it to the same coax as the SA-7000. It would be about 50 ft away and connected by coax to a tee connector. Has anyone tried a similar scenario. I can't find too much info on the net. I am hoping that it is far enough apart not to cause problems. Any input would be appreciated. By the way this is for DX'ing only. Thanks Ed Dawson

4655. Re: [ham-antennas] Two antennas on one coax

Yahoo group: ham-antennas (2008)
Date: 2008-04-20 14:02:14 UTC
From: Leonard K. Pennock
Topic: 4654 Message: 4655

Assuming you only want one active at a given frequency, using a T only works correctly if one antenna presents a very high impedance when the other antenna is resonate (low impedance). This forces the resonant antenna to be active at the desired frequency. Not knowing the impedance curves of the two antenna I can't say if your setup will meet that criteria.

noswadplease wrote:
> Hello group, I have an Icom R75 and a Yaesu VR-5000. One of my
> antennas is an AOR SA-7000 about 40ft up. Since the Yaesu receives up
> to 2.6 ghz and the SA-7000 receives to 2ghz, I was thinking about
> adding a discone rated to 3ghz. What I am thinking about doing is
> connecting it to the same coax as the SA-7000. It would be about 50 ft
> away and connected by coax to a tee connector. Has anyone tried a
> similar scenario. I can't find too much info on the net. I am hoping
> that it is far enough apart not to cause problems. Any input would be
> appreciated. By the way this is for DX'ing only. Thanks Ed Dawson
>
>

--
Leonard K. Pennock
AD7AS

Those who walk bravely through life, unafraid of loss or failure,
find that they very rarely lose or fail.

4656. Re: [ham-antennas] Two antennas on one coax

Yahoo group: ham-antennas (2008)
Date: 2008-04-20 14:58:06 UTC
From: Phil Bader
Topic: 4654 Message: 4656

Problem is, ,at UHF and above, every foot of coax,every little connection,bend, coupling,switch, etc. has a loss effect on the signal. I would not do it.
Phil B
Philip Bader
pbader@...
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakelandarc.org/
Currently: Polk County School Board Electronics
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006

----- Original Message -----
From: Leonard K. Pennock
To: ham-antennas@yahoogroups.com
Sent: Sunday, April 20, 2008 10:02 AM
Subject: Re: [ham-antennas] Two antennas on one coax

Assuming you only want one active at a given frequency, using a T only works correctly if one antenna presents a very high impedance when the other antenna is resonate (low impedance). This forces the resonant antenna to be active at the desired frequency. Not knowing the impedance curves of the two antenna I can't say if your setup will meet that criteria.

noswadplease wrote:
> Hello group, I have an Icom R75 and a Yaesu VR-5000. One of my
> antennas is an AOR SA-7000 about 40ft up. Since the Yaesu receives up
> to 2.6 ghz and the SA-7000 receives to 2ghz, I was thinking about
> adding a discone rated to 3ghz. What I am thinking about doing is
> connecting it to the same coax as the SA-7000. It would be about 50 ft
> away and connected by coax to a tee connector. Has anyone tried a
> similar scenario. I can't find too much info on the net. I am hoping
> that it is far enough apart not to cause problems. Any input would be
> appreciated. By the way this is for DX'ing only. Thanks Ed Dawson
>
>

--
Leonard K. Pennock
AD7AS

Those who walk bravely through life, unafraid of loss or failure,
find that they very rarely lose or fail.

No virus found in this incoming message.
Checked by AVG.

Version: 7.5.524 / Virus Database: 269.23.2/1387 - Release Date: 4/19/2008 11:31 AM

[Non-text portions of this message have been removed]

4657. Satellite 2m antenna?

Yahoo group: ham-antennas (2008)
Date: 2008-04-21 03:11:24 UTC
From: scottkd5orwellis
Topic: 4657 Message: 4657

I am curious to know if it is possible to make a DSS dish into a 2m antenna? I live in an apartment complex, and they allow the dishes to be used. Or would it just be easier to get a twin lead j-pole antenna?
Scott kd5orw.

4658. !Re: [ham-antennas] Satellite 2m antenna?

Yahoo group: ham-antennas (2008)
Date: 2008-04-21 10:19:30 UTC
From: Phil Bader
Topic: 4658 Message: 4658

What floor are you? I've seen a picnic table with unbrella and the 2 mtr antenna was disguised within the umbrella. I think the twin lead j pole may be a good way to go. Or, one of those pvc flag poles that hang on an angle wall mounted next to the door, or from a patio railing. Be creative!
Phil B.
Philip Bader
pbader@...
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakelandarc.org/
Currently: Polk County School Board Electronics
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006

----- Original Message -----
From: scottkd5orwellis
To: ham-antennas@yahoogroups.com
Sent: Sunday, April 20, 2008 11:11 PM
Subject: [ham-antennas] Satellite 2m antenna?

I am curious to know if it is possible to make a DSS dish into a 2m antenna? I live in an apartment complex, and they allow the dishes to be used. Or would it just be easier to get a twin lead j-pole antenna?
Scott kd5orw.

No virus found in this incoming message.
Checked by AVG.
Version: 7.5.524 / Virus Database: 269.23.2/1387 - Release Date: 4/19/2008 11:31 AM

[Non-text portions of this message have been removed]

4659. Re: [ham-antennas] Satellite 2m antenna?

Yahoo group: ham-antennas (2008)
Date: 2008-04-21 11:03:10 UTC
From: trucken4peace@yahoo.com
Topic: 4657 Message: 4659

>DSS dish into a 2m
antenna?

Anything is possible. A two meter mobile 1/4 wave on a tool box might be easier though. I see drilling out the middle of the dish, mounting a quarter wave 2 meter nmo mount antenna in the middle. Never have done this but seems easy enough.

KE7JSL
John Hinshaw
Sent via BlackBerry from T-Mobile

4660. Re: Satellite 2m antenna?

Yahoo group: ham-antennas (2008)
Date: 2008-04-21 21:39:58 UTC
From: scottkd5orwellis
Topic: 4657 Message: 4660

I'm on the ground floor of a two story building. I tried making a 300 ohm twin lead j-pole. And then sticking on a wire tape, and pushing it up one of the vent pipes. But it didn't work too well, and it destroyed the twin lead. I have a aluminum j-pole, and I have it mounted on my grill. But I don't think my complex is going to like that idea too much.

--- In ham-antennas@yahoogroups.com, trucken4peace@... wrote:
>
> >DSS dish into a 2m
> antenna?
>
> Anything is possible. A two meter mobile 1/4 wave on a tool box might be easier though. I see drilling out the middle of the dish, mounting a quarter wave 2 meter nmo mount antenna in the middle. Never have done this but seems easy enough.
>
> KE7JSL
> John Hinshaw
> Sent via BlackBerry from T-Mobile
>

4661. Re: [ham-antennas] Re: Satellite 2m antenna?

Yahoo group: ham-antennas (2008)
Date: 2008-04-21 22:53:07 UTC
From: Phil Bader
Topic: 4657 Message: 4661

I sent a cool pdf of plans for a twin lead j pole 2 mtr antenna disguised in a PVC tube.
I sent the attachment to you directly.
Best,
Phil B
Philip Bader
pbader@...
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakelandarc.org/
Currently: Polk County School Board Electronics
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006

----- Original Message -----
From: scottkd5orwellis
To: ham-antennas@yahoogroups.com
Sent: Monday, April 21, 2008 5:39 PM
Subject: [ham-antennas] Re: Satellite 2m antenna?

I'm on the ground floor of a two story building. I tried making a 300
ohm twin lead j-pole. And then sticking on a wire tape, and pushing it
up one of the vent pipes. But it didn't work too well, and it
destroyed the twin lead. I have a aluminum j-pole, and I have it
mounted on my grill. But I don't think my complex is going to like
that idea too much.

--- In ham-antennas@yahoogroups.com, trucken4peace@... wrote:
>
> >DSS dish into a 2m
> antenna?
>
> Anything is possible. A two meter mobile 1/4 wave on a tool box
might be easier though. I see drilling out the middle of the dish,
mounting a quarter wave 2 meter nmo mount antenna in the middle. Never
have done this but seems easy enough.
>
> KE7JSL
> John Hinshaw
> Sent via BlackBerry from T-Mobile
>

No virus found in this incoming message.
Checked by AVG.
Version: 7.5.524 / Virus Database: 269.23.3/1390 - Release Date: 4/21/2008 4:23 PM

[Non-text portions of this message have been removed]

4662. Re: [ham-antennas] Re: Satellite 2m antenna?

Yahoo group: ham-antennas (2008)
Date: 2008-04-21 23:12:08 UTC
From: trucken4peace@yahoo.com
Topic: 4657 Message: 4662

>aluminum j-pole, and I have it mounted on my grill

That's simple then, use a plant and low power. If you can have plants mount it in a bushy plant. It won't work as well without a ground plane but it should work ok. Or get a flower pot, soil, aluminum foil (put holes in it for water drain) mag mount antenna and plant. Make a doughnut out of the foil about one inch down from top add plant and mag mount 1/4 wave and cover to the top. Currently I have a 1/4 wave in a bush with the wire going besides the cable tv wire into the house. It works for most of the local repeaters. 73

KE7JSL
John Hinshaw
Sent via BlackBerry from T-Mobile

4663. RE: [ham-antennas] Re: Satellite 2m antenna?

Yahoo group: ham-antennas (2008)
Date: 2008-04-22 00:23:37 UTC
From: Rich Schmuke
Topic: 4657 Message: 4663

Did you leave it on the wire tape?? . A antenna made from twin lead needs a min of ¼ wave clear at the base. What are your walls made of? Today many are constructed with sheet metal studs for fire safety. Running an antenna through or close by the studs wont work. A twin lead antenna on a plastic stick in a flower pot should be OK , who can complain about a support for your plant that is going to grow a wave length high , I mean as high as the vine will be.

Rich , Kd0zz

As an act of plagiarism . Disclaimer: Any errors in spelling or facts are transmission errors.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of scottkd5orwellis
Sent: Monday, April 21, 2008 4:40 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: Satellite 2m antenna?

I'm on the ground floor of a two story building. I tried making a 300 ohm twin lead j-pole. And then sticking on a wire tape, and pushing it up one of the vent pipes. But it didn't work too well, and it destroyed the twin lead. I have a aluminum j-pole, and I have it mounted on my grill. But I don't think my complex is going to like that idea too much.

--- In ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
, trucken4peace@... wrote:
>
> >DSS dish into a 2m
> antenna?
>

[Non-text portions of this message have been removed]

4664. Re: Satellite 2m antenna?

Yahoo group: ham-antennas (2008)
Date: 2008-04-22 01:03:12 UTC
From: scottkd5orwellis
Topic: 4657 Message: 4664

Yeah, I left it on the fish tape to give it something to hold the twin lead. I thought it was a great idea, but it failed to live up to what I had hoped. I am really considering getting a pre-made J-Pole. I really only use my radio for aprs.

--- In ham-antennas@yahoogroups.com, "Rich Schmuke" <rdj@...> wrote:
>
> Did you leave it on the wire tape?? . A antenna made from twin lead needs a
> min of ¼ wave clear at the base. What are your walls made of? Today many
> are constructed with sheet metal studs for fire safety. Running an antenna
> through or close by the studs wont work. A twin lead antenna on a plastic
> stick in a flower pot should be OK , who can complain about a support for
> your plant that is going to grow a wave length high , I mean as high as the
> vine will be.
>
>
>
> Rich , Kd0zz
>
> As an act of plagiarism . Disclaimer: Any errors in spelling or facts are
> transmission errors.
>
>
>
>
>
> From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On
> Behalf Of scottkd5orwellis
> Sent: Monday, April 21, 2008 4:40 PM
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] Re: Satellite 2m antenna?
>
>
>
> I'm on the ground floor of a two story building. I tried making a 300
> ohm twin lead j-pole. And then sticking on a wire tape, and pushing it
> up one of the vent pipes. But it didn't work too well, and it

> destroyed the twin lead. I have a aluminum j-pole, and I have it
> mounted on my grill. But I don't think my complex is going to like
> that idea too much.
>
> --- In ham-antennas@yahoogroups.com
<mailto:ham-antennas%40yahoogroups.com>
> , trucken4peace@ wrote:
> >
> > >DSS dish into a 2m
> > antenna?
> >
>
>
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

4665. Re: loop

Yahoo group: ham-antennas (2008)
Date: 2008-04-22 14:59:07 UTC
From: billncolo36
Topic: 4652 Message: 4665

Have you looked at the articles at this web site?
http://www.hard-core-dx.com/nordicdx/antenna/wire/atticloop.html
Bill
N0CU
--- In ham-antennas@yahoogroups.com, "W8OKN" <w8okn@...> wrote:
>
> It's Spring. I have this urge to change my antenna system.
>
> A section of my house is nearly square. And, it is about 35 x 35 x
35 x 35 feet. Maybe it is time for a loop on top of the house, giving
it a height of about 24 feet.
>
> What say you?
>
> W8OKN
>
> [Non-text portions of this message have been removed]
>

4666. Suggestions for skyhooks to make an outdoor loop

Yahoo group: ham-antennas (2008)
Date: 2008-04-22 15:11:00 UTC
From: Hal Thomas
Topic: 4666 Message: 4666

With the limitations of the back yard I have I am looking for suggestions of what others may have used as skyhooks for hanging a Horiz loop. I am basically looking at a rectangle shape with vertical posts in 4 corners of the back yard. What have you used that gets a good height and is solid and doesn't make the neighbors think you have installed Missle Silos :) Thanks Hal

4667. Re: [ham-antennas] Suggestions for skyhooks to make an outdoor loop

Yahoo group: ham-antennas (2008)
Date: 2008-04-22 15:27:32 UTC
From: Chris
Topic: 4666 Message: 4667

I haven't done it yet, but what I'm considering is to use hurricane fence top-rail. It's sold at Home Depot in 10' sections and is galvanized. I know for sure that two of them, with sheet metal screws run through at the slip joint are quite strong and won't need guying. I run this configuration for a dual-band vertical mast now.

What I don't know yet is how three sections would hold up to the stress of hanging a loop...but that is what I'm thinking about trying for the two back supports for a horizontal delta for 80m and up.

On Tue, Apr 22, 2008 at 11:11 AM, Hal Thomas <hal@...> wrote:
> With the limitations of the back yard I have I am looking for
> suggestions of what others may have used as skyhooks for hanging a
> Horiz loop. I am basically looking at a rectangle shape with vertical
> posts in 4 corners of the back yard. What have you used that gets a
> good height and is solid and doesn't make the neighbors think you
> have installed Missle Silos :) Thanks Hal
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 974 members (as of 11/07/07, and attachments are NOT permitted.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
>

4668. RE: [ham-antennas] Suggestions for skyhooks to make an outdoor loop

Yahoo group: ham-antennas (2008)
Date: 2008-04-22 15:30:22 UTC
From: Rich Schmuke
Topic: 4666 Message: 4668

Hal , I have no problems with neighbors but I can not climb due to a bad back. I just installed a tilt-up post that would work in a corner, or 4 corners . Check out the pictures the photo site for here. This set is only 30 ft tall , I am going to mount a 20m vert on it.

The same base had a 40 ft set up on it before. I used parts from that 40 ft set up to make my other shown tilt up. The height is only limited by how much pipe you want to buy.

http://ph.groups.yahoo.com/group/ham-antennas/photos/browse/b620

Rich , Kd0zz

As an act of plagiarism . Disclaimer: Any errors in spelling or facts are transmission errors.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Hal Thomas
Sent: Tuesday, April 22, 2008 10:11 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Suggestions for skyhooks to make an outdoor loop

With the limitations of the back yard I have I am looking for suggestions of what others may have used as skyhooks for hanging a Horiz loop. I am basically looking at a rectangle shape with vertical posts in 4 corners of the back yard. What have you used that gets a good height and is solid and doesn't make the neighbors think you have installed Missle Silos :) Thanks Hal

[Non-text portions of this message have been removed]

4669. RE: [ham-antennas] Suggestions for skyhooks to make an outdoor loop

Yahoo group: ham-antennas (2008)
Date: 2008-04-22 17:51:20 UTC
From: Callum M0MCX
Topic: 4666 Message: 4669

Hal,

I use a 20 foot varnished stair-case handrail in one corner and an old Windsurfer's Mast in another.

You say a square loop? My friend and I have been doing some modelling and if you can make an equilateral triangle, there does seem to be some excellent lobes of gain that appear to be better than square shapes.

Food for thought.

Callum McCormick
http://www.m0mcx.co.uk/

While others were busy thinking outside the box, I cut it up because I needed some cardboard for a project I was making.

4670. RE: [ham-antennas] Suggestions for skyhooks to make an outdoor loop

Yahoo group: ham-antennas (2008)
Date: 2008-04-23 01:06:52 UTC
From: John P.
Topic: 4666 Message: 4670

Rich,

It appears that there are 2 different ones pictured.

Can you provide more detail on the 1st picture

Thanks

Rich Schmuke <rdj@...> wrote:
Hal , I have no problems with neighbors but I can not climb due to a bad back. I just installed a tilt-up post that would work in a corner, or 4 corners . Check out the pictures the photo site for here. This set is only 30 ft tall , I am going to mount a 20m vert on it.

The same base had a 40 ft set up on it before. I used parts from that 40 ft set up to make my other shown tilt up. The height is only limited by how much pipe you want to buy.

http://ph.groups.yahoo.com/group/ham-antennas/photos/browse/b620

Rich , Kd0zz

As an act of plagiarism . Disclaimer: Any errors in spelling or facts are transmission errors.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Hal Thomas
Sent: Tuesday, April 22, 2008 10:11 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Suggestions for skyhooks to make an outdoor loop

With the limitations of the back yard I have I am looking for suggestions of what others may have used as skyhooks for hanging a Horiz loop. I am basically looking at a rectangle shape with vertical posts in 4 corners of the back yard. What have you used that gets a good height and is solid and doesn't make the neighbors think you have installed Missle Silos :) Thanks Hal

[Non-text portions of this message have been removed]

Be a better friend, newshound, and know-it-all with Yahoo! Mobile. Try it now.

[Non-text portions of this message have been removed]

4671. RE: [ham-antennas] Suggestions for skyhooks to make an outdoor loop

Yahoo group: ham-antennas (2008)
Date: 2008-04-23 02:00:35 UTC
From: Rich Schmuke
Topic: 4666 Message: 4671

Yes there are 2 , first tilt , projects two ways as the pivot is at the top , tilt 2, the pivot is at the base , I can send you a drawing by direct email. If you have a spam filter add me so it will get through.

rdj@...

Rich , Kd0zz

As an act of plagiarism . Disclaimer: Any errors in spelling or facts are transmission errors.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of John P.
Sent: Tuesday, April 22, 2008 8:07 PM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Suggestions for skyhooks to make an outdoor loop

Rich,

It appears that there are 2 different ones pictured.

Can you provide more detail on the 1st picture

Thanks

Rich Schmuke <rdj@... <mailto:rdj%40wildblue.net> > wrote:
Hal , I have no problems with neighbors but I can not climb due to a bad back. I just installed a tilt-up post that would work in a corner, or 4 corners . Check out the pictures the photo site for here. This set is only 30 ft tall , I am going to mount a 20m vert on it.

The same base had a 40 ft set up on it before. I used parts from that 40 ft set up to make my other shown tilt up. The height is only limited by how much pipe you want to buy.

http://ph.groups.yahoo.com/group/ham-antennas/photos/browse/b620

Rich , Kd0zz

As an act of plagiarism . Disclaimer: Any errors in spelling or facts are transmission errors.

From: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com> [mailto:ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>] On
Behalf Of Hal Thomas
Sent: Tuesday, April 22, 2008 10:11 AM
To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>

Subject: [ham-antennas] Suggestions for skyhooks to make an outdoor loop

With the limitations of the back yard I have I am looking for suggestions of what others may have used as skyhooks for hanging a Horiz loop. I am basically looking at a rectangle shape with vertical posts in 4 corners of the back yard. What have you used that gets a good height and is solid and doesn't make the neighbors think you have installed Missle Silos :) Thanks Hal

[Non-text portions of this message have been removed]

Be a better friend, newshound, and know-it-all with Yahoo! Mobile. Try it now.

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

4672. LB Cebik W4RNL, SK

Yahoo group: ham-antennas (2008)
Date: 2008-04-23 02:35:41 UTC
From: ke4vyn
Topic: 4672 Message: 4672

Please join me in a small prayer for the passing of a icon in Ham Radio.

Lee
KE4VYN

Forwarded Message:

It is with a heavy heart and infinite sadness I report the passing of LB Cebik, a friend to us all.

I had called the local Sheriff in Knoxville, TN to go check on him since I hadn't heard from him in over 5 days (either email or phone), which is highly unusual.

The Sheriff called back to tell me this sad, devastating news. He was like family to me and was loved and respected by so many. I remain in shock as I tell you this.

I need to locate his next of kin as he did not have family in Knoxville.

Happy Trails,
Jack L. Stone

4673. Re: [ham-antennas] LB Cebik W4RNL, SK

Yahoo group: ham-antennas (2008)
Date: 2008-04-23 10:47:27 UTC
From: Roland Stiner
Topic: 4672 Message: 4673

I am quite shocked, I just had a few e-mail exchanges with him not more than a month ago. I am deeply saddened, he was a very nice and knowledgeable fellow.

Roland Stiner, NK2U
nk2u@...
http;//www.nationsdial.com/nk2u
----- Original Message -----
From: ke4vyn
To: ham-antennas@yahoogroups.com
Sent: Tuesday, April 22, 2008 10:35 PM
Subject: [ham-antennas] LB Cebik W4RNL, SK

Please join me in a small prayer for the passing of a icon in Ham Radio.

Lee
KE4VYN

Forwarded Message:

It is with a heavy heart and infinite sadness I report the passing of
LB Cebik, a friend to us all.

I had called the local Sheriff in Knoxville, TN to go check on him
since I hadn't heard from him in over 5 days (either email or phone),
which is highly unusual.

The Sheriff called back to tell me this sad, devastating news. He was
like family to me and was loved and respected by so many. I remain in
shock as I tell you this.

I need to locate his next of kin as he did not have family in
Knoxville.

Happy Trails,
Jack L. Stone

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 974 members (as of 11/07/07, and attachments are NOT permitted.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

[Non-text portions of this message have been removed]

4674. Re: [ham-antennas] LB Cebik W4RNL, SK

Yahoo group: ham-antennas (2008)
Date: 2008-04-23 11:13:10 UTC
From: JimK2tl
Topic: 4672 Message: 4674

This is a loss to Amateur Radio. I also had correspondence with him. He was very patient and instructive on any level . Too bad he had no local family. I hope he did not have a health crisis and there was no one around to help him !
Anyway, he was a Hams Ham! R.I.P !
K2TL

4675. RE: [ham-antennas] LB Cebik W4RNL, SK

Yahoo group: ham-antennas (2008)
Date: 2008-04-23 12:20:27 UTC
From: James Fogg
Topic: 4672 Message: 4675

Someone should work to maintain his website. Without the hosting bill getting paid it will be shutdown. Once it's contents are secure it could be re-hosted.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of ke4vyn
Sent: Tuesday, April 22, 2008 10:36 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] LB Cebik W4RNL, SK

Please join me in a small prayer for the passing of a icon in Ham Radio.

Lee
KE4VYN

Forwarded Message:

It is with a heavy heart and infinite sadness I report the passing of LB Cebik, a friend to us all.

I had called the local Sheriff in Knoxville, TN to go check on him since I hadn't heard from him in over 5 days (either email or phone), which is highly unusual.

The Sheriff called back to tell me this sad, devastating news. He was like family to me and was loved and respected by so many. I remain in shock as I tell you this.

I need to locate his next of kin as he did not have family in Knoxville.

Happy Trails,
Jack L. Stone

[Non-text portions of this message have been removed]

4676. Re: [ham-antennas] LB Cebik W4RNL, SK

Yahoo group: ham-antennas (2008)
Date: 2008-04-23 13:25:03 UTC
From: danny garvin
Topic: 4672 Message: 4676

All of Ham Radio morns the loss of such a great icon. I have read threw his web site extensively in the past researching antennas and it would be a great loss if it gets shut down I'm going to capture the site to my hard drive in case it gets shut down. If so I'll put it back up some where else I already manage several other sites.
Danny
WB9RIM

----- Original Message ----
From: James Fogg <james@...>
To: ham-antennas@yahoogroups.com
Sent: Wednesday, April 23, 2008 7:20:27 AM
Subject: RE: [ham-antennas] LB Cebik W4RNL, SK

Someone should work to maintain his website. Without the hosting bill getting paid it will be shutdown. Once it's contents are secure it could be re-hosted.

---------- --------- --------- --

From: ham-antennas@ yahoogroups. com [mailto:ham-antennas@ yahoogroups. com]
On Behalf Of ke4vyn
Sent: Tuesday, April 22, 2008 10:36 PM
To: ham-antennas@ yahoogroups. com
Subject: [ham-antennas] LB Cebik W4RNL, SK

Please join me in a small prayer for the passing of a icon in Ham Radio.

Lee
KE4VYN

Forwarded Message:

It is with a heavy heart and infinite sadness I report the passing of LB Cebik, a friend to us all.

I had called the local Sheriff in Knoxville, TN to go check on him since I hadn't heard from him in over 5 days (either email or phone), which is highly unusual.

The Sheriff called back to tell me this sad, devastating news. He was like family to me and was loved and respected by so many. I remain in shock as I tell you this.

I need to locate his next of kin as he did not have family in Knoxville.

Happy Trails,
Jack L. Stone

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

4677. Re: [ham-antennas] LB Cebik W4RNL, SK

Yahoo group: ham-antennas (2008)
Date: 2008-04-23 13:40:21 UTC
From: kd5blz@cox.net
Topic: 4672 Message: 4677

Hi
I have to agree it would be a loss. I am going to go through and convert the information to PDF format and save it on a number of CD's to ensure I have the information and can send it to others.
73's
Nathan
KD5BLZ

---- danny garvin <grailknight_2@...> wrote:
> All of Ham Radio morns the loss of such a great icon. I have read threw his web site extensively in the past researching antennas and it would be a great loss if it gets shut down I'm going to capture the site to my hard drive in case it gets shut down. If so I'll put it back up some where else I already manage several other sites.
> Danny
> WB9RIM
>
>
>
> ----- Original Message ----
> From: James Fogg <james@...>
> To: ham-antennas@yahoogroups.com
> Sent: Wednesday, April 23, 2008 7:20:27 AM
> Subject: RE: [ham-antennas] LB Cebik W4RNL, SK
>
> Someone should work to maintain his website. Without the hosting bill
> getting paid it will be shutdown. Once it's contents are secure it could
> be re-hosted.
>
> ___________ _________ _________ __
>
> From: ham-antennas@ yahoogroups. com [mailto:ham-antennas@ yahoogroups. com]
> On Behalf Of ke4vyn
> Sent: Tuesday, April 22, 2008 10:36 PM
> To: ham-antennas@ yahoogroups. com
> Subject: [ham-antennas] LB Cebik W4RNL, SK
>
> Please join me in a small prayer for the passing of a icon in Ham Radio.
>
> Lee
> KE4VYN
>
> Forwarded Message:
>
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>
> I had called the local Sheriff in Knoxville, TN to go check on him
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>
> The Sheriff called back to tell me this sad, devastating news. He was
> like family to me and was loved and respected by so many. I remain in
> shock as I tell you this.
>
> I need to locate his next of kin as he did not have family in
> Knoxville.
>
> Happy Trails,
> Jack L. Stone
>
> [Non-text portions of this message have been removed]
>
>
>
>
> [Non-text portions of this message have been removed]
>
>
> ---
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 974
members (as of 11/07/07, and attachments are NOT permitted.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>

4678. W4RNL SK + www.cebik.com

Yahoo group: ham-antennas (2008)
Date: 2008-04-23 23:45:18 UTC
From: james27613
Topic: 4678 Message: 4678

hi,

Dr. Cebik was a real asset to Amateur Radio !

There is no need to copy his website,

Jack Stone of www.antennex.com has hosted
and sponsored www.cebik.com for almost 11 years.

the website is here to stay, you just need
to get your free guest access, info at
www.cebik.com

73 ke4drn james

4679. 6BTV

Yahoo group: ham-antennas (2008)
Date: 2008-04-24 10:15:12 UTC
From: Donal
Topic: 4679 Message: 4679

Hi,
I want to site a Hustler 6BTV at our holiday home as I spend most of the summer there. Unfortunately the developer doesn't allow any radio antennas on the holiday complex.

I was therefore wondering if it would be possible to place a 6BTV inside a totally enclosed soil pipe (5-6 inch dia' plastic pipe) and fix to the wall with radials buried in the garden?

Has anyone else tried this method? As I'd be interested in how it affect the antenna's performance.

Sorry so many questions I know.

73 & Good DX
Danny MI3DBB

4680. Re: [ham-antennas] 6BTV

Yahoo group: ham-antennas (2008)
Date: 2008-04-24 11:38:13 UTC
From: patrick.obrien47
Topic: 4679 Message: 4680

HI Danny.
I have just come across this strange HF
antenna , only 30 inch boom have a look at the
TAK-TENNA .COM .also checked it comments on it in eham 99 percent great reports

Patrick GW1SXN

----- Original Message -----
From: Donal
To: ham-antennas@yahoogroups.com
Sent: Thursday, April 24, 2008 11:15 AM
Subject: [ham-antennas] 6BTV

Hi,
I want to site a Hustler 6BTV at our holiday home as I spend most of
the summer there. Unfortunately the developer doesn't allow any radio
antennas on the holiday complex.

I was therefore wondering if it would be possible to place a 6BTV
inside a totally enclosed soil pipe (5-6 inch dia' plastic pipe) and
fix to the wall with radials buried in the garden?

Has anyone else tried this method? As I'd be interested in how it
affect the antenna's performance.

Sorry so many questions I know.

73 & Good DX
Danny MI3DBB

No virus found in this incoming message.
Checked by AVG.
Version: 7.5.524 / Virus Database: 269.23.4/1395 - Release Date: 24/04/2008 07:24

[Non-text portions of this message have been removed]

4681. Re: [ham-antennas] 6BTV

Yahoo group: ham-antennas (2008)
Date: 2008-04-24 11:45:43 UTC
From: patrick.obrien47
Topic: 4679 Message: 4681

HI Danny,
Can you tell me somthing, i have the HUSTLER 5BTV but i have those 6 x 12inchs mini radials near the top end of the ant.
but the 6BTV does not , i was wondering why???
have not erected my hustler yet, just got it second hand, and i find it very heavy. so will prob sell it.
like the look of that TAK-tenna. as i am in a very restricted area. live in a terraced house. with a small backyard. so i am only able to fit a 20m
Dipole from chimney to a pole at back entry wall.
thats why the TAK-tenna caught my eye.
Patrick gw1sxn

----- Original Message -----
From: Donal
To: ham-antennas@yahoogroups.com
Sent: Thursday, April 24, 2008 11:15 AM
Subject: [ham-antennas] 6BTV

Hi,
I want to site a Hustler 6BTV at our holiday home as I spend most of the summer there. Unfortunately the developer doesn't allow any radio antennas on the holiday complex.

I was therefore wondering if it would be possible to place a 6BTV inside a totally enclosed soil pipe (5-6 inch dia' plastic pipe) and fix to the wall with radials buried in the garden?

Has anyone else tried this method? As I'd be interested in how it affect the antenna's performance.

Sorry so many questions I know.

73 & Good DX
Danny MI3DBB

No virus found in this incoming message.
Checked by AVG.
Version: 7.5.524 / Virus Database: 269.23.4/1395 - Release Date: 24/04/2008 07:24

[Non-text portions of this message have been removed]

4682. Re: [ham-antennas] 6BTV

Yahoo group: ham-antennas (2008)
Date: 2008-04-24 10:44:13 UTC
From: van lincoln
Topic: 4679 Message: 4682

some plastic absorbs RF and causes it to heat up.

Try putting some of the plastic in a microwave oven
and see if it heats. If not, then put the 6 BTV
inside the pipe and test for heating using your transmitter. If it
shows the slightest amount of temperature rise, (the plastic pipe)
then I don't think it's a good idea.

wd8aam

At 10:15 AM 4/24/2008 +0000, you wrote:

>Hi,
>I want to site a Hustler 6BTV at our holiday home as I spend most of
>the summer there. Unfortunately the developer doesn't allow any radio
>antennas on the holiday complex.
>
>I was therefore wondering if it would be possible to place a 6BTV
>inside a totally enclosed soil pipe (5-6 inch dia' plastic pipe) and
>fix to the wall with radials buried in the garden?
>
>Has anyone else tried this method? As I'd be interested in how it
>affect the antenna's performance.
>
>Sorry so many questions I know.
>
>73 & Good DX
>Danny MI3DBB
>
>

[Non-text portions of this message have been removed]

4683. Re: 6BTV

Yahoo group: ham-antennas (2008)
Date: 2008-04-24 12:30:59 UTC
From: Todd McLaughlin
Topic: 4679 Message: 4683

I just put up a 6BTV at my house two weeks ago. Like you, it is also an antenna restricted area. I have it ground mounted at the back of my yard (which boarders to a small grove of trees that are outside of my property lines). I used some Krylon flat black spray paint and found that it makes the antenna vertually disappear! The shiny aluminum tubes stood out and now that I painted it black, it blends in with the surrounding and is not as conspicuous.

Also, Google search for 'Flagpole Antenna'. There are many really good designs out there that work great. Good luck and good dx!

Cheers & 73
Todd - N3MMH

--- In ham-antennas@yahoogroups.com, "Donal" <poteeny2k@...> wrote:
>
> Hi,
> I want to site a Hustler 6BTV at our holiday home as I spend most of
> the summer there. Unfortunately the developer doesn't allow any radio
> antennas on the holiday complex.
>
> I was therefore wondering if it would be possible to place a 6BTV
> inside a totally enclosed soil pipe (5-6 inch dia' plastic pipe) and
> fix to the wall with radials buried in the garden?
>
> Has anyone else tried this method? As I'd be interested in how it
> affect the antenna's performance.
>
> Sorry so many questions I know.
>
> 73 & Good DX
> Danny MI3DBB
>

4684. Re: [ham-antennas] 6BTV

Yahoo group: ham-antennas (2008)
Date: 2008-04-24 13:38:59 UTC
From: Arthur Nienhouse
Topic: 4679 Message: 4684

Try testing a piece of the plastic pipe in the microwave
to see it it heats up just a thought.

Regards
Art
ka9zap

4685. Re: [ham-antennas] 6BTV

Yahoo group: ham-antennas (2008)
Date: 2008-04-24 14:20:18 UTC
From: w8okn@charter.net
Topic: 4679 Message: 4685

PVC, when burned, creates HCL, hydrochloric acid. Not all plastics do this, but PVC does.

Be careful.

--
From the desk of W8OKN, northern Michigan

---- Arthur Nienhouse <ka9zap@...> wrote:
> Try testing a piece of the plastic pipe in the microwave
> to see it it heats up just a thought.
>
> Regards
> Art
> ka9zap

4686. Re: [ham-antennas] 6BTV

Yahoo group: ham-antennas (2008)
Date: 2008-04-24 14:22:01 UTC
From: w8okn@charter.net
Topic: 4679 Message: 4686

Those are not radials at the top. That is a "top-hat" for loading and tuning.

Just a friendly reminder...
--
From the desk of W8OKN, northern Michigan

---- "patrick.obrien47" <patrick.obrien47@...> wrote:
> HI Danny,
> Can you tell me somthing, i have the HUSTLER 5BTV but i have those 6 x 12inchs mini radials near the top end of the ant.
> but the 6BTV does not , i was wondering why???
> have not erected my hustler yet, just got it second hand, and i find it very heavy. so will prob sell it.
> like the look of that TAK-tenna. as i am in a very restricted area. live in a terraced house. with a small backyard. so i am only able to fit a 20m
> Dipole from chimney to a pole at back entry wall.
> thats why the TAK-tenna caught my eye.
> Patrick gw1sxn
>
> ----- Original Message -----
> From: Donal
> To: ham-antennas@yahoogroups.com
> Sent: Thursday, April 24, 2008 11:15 AM
> Subject: [ham-antennas] 6BTV
>
>
> Hi,
> I want to site a Hustler 6BTV at our holiday home as I spend most of
> the summer there. Unfortunately the developer doesn't allow any radio
> antennas on the holiday complex.
>
> I was therefore wondering if it would be possible to place a 6BTV
> inside a totally enclosed soil pipe (5-6 inch dia' plastic pipe) and
> fix to the wall with radials buried in the garden?
>
> Has anyone else tried this method? As I'd be interested in how it
> affect the antenna's performance.
>
> Sorry so many questions I know.
>
> 73 & Good DX
> Danny MI3DBB
>
>
>

>
>
>
> ---
>
>
> No virus found in this incoming message.
> Checked by AVG.
> Version: 7.5.524 / Virus Database: 269.23.4/1395 - Release Date: 24/04/2008 07:24
>
>
> [Non-text portions of this message have been removed]
>

4687. useful freebie info for fellow members

Yahoo group: ham-antennas (2008)
Date: 2008-04-24 14:46:14 UTC
From: p.stapleton74
Topic: 4687 Message: 4687

Hello Members!

Like most of us, I am always on a tight budget, so I am always on the lookout for freebies, samples, cheap deals and bargains.
It does help!
I just joined another brilliant group for freebies, so I thought I'd share the info: http://groups.google.com/group/freebiefinder

Its an excellent group, and has lots of stuff which is completely free! I just downloaded some of their fantastic audio books, free!,and foundsome fantstic links to other free stuff.
Go and join, it costs nothing!

Oh..almost forgot!..I found some great freebies today that you can apply for:

5 free top selling books & a ton of other BIG offers!
http://moourl.com/myfreebies

4688. Re: useful freebie info for fellow members

Yahoo group: ham-antennas (2008)
Date: 2008-04-24 16:56:10 UTC
From: Steve Hunt
Topic: 4687 Message: 4688

spam !

they don't stop at anything

--- In ham-antennas@yahoogroups.com, "p.stapleton74"
<p.stapleton74@...> wrote:
>
> Hello Members!
>
> Like most of us, I am always on a tight budget, so I am always on
the
> lookout for freebies, samples, cheap deals and bargains.
> It does help!
> I just joined another brilliant group for freebies, so I thought
I'd
> share the info: http://groups.google.com/group/freebiefinder
>
> Its an excellent group, and has lots of stuff which is completely
> free! I just downloaded some of their fantastic audio books,
free!,and
> foundsome fantstic links to other free stuff.
> Go and join, it costs nothing!
>
> Oh..almost forgot!..I found some great freebies today that you can
> apply for:
>
> 5 free top selling books & a ton of other BIG offers!
> http://moourl.com/myfreebies
>

4689. RE: [ham-antennas] Re: useful freebie info for fellow members

Yahoo group: ham-antennas (2008)
Date: 2008-04-24 17:52:49 UTC
From: Gary H. Harmon, Jr
Topic: 4687 Message: 4689

Member deleted.

Gary H. Harmon, Jr. / K5JWK
6003 Archwood
San Antonio, TX 78239-1504
210.884.6926

"Retirement means everyday is a Saturday except Sunday."

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Steve Hunt
Sent: Thursday, April 24, 2008 11:56 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: useful freebie info for fellow members

spam !

they don't stop at anything

--- In ham-antennas@ <mailto:ham-antennas%40yahoogroups.com>
yahoogroups.com, "p.stapleton74"
<p.stapleton74@...> wrote:
>
> Hello Members!
>
> Like most of us, I am always on a tight budget, so I am always on
the
> lookout for freebies, samples, cheap deals and bargains.
> It does help!
> I just joined another brilliant group for freebies, so I thought
I'd
> share the info: http://groups.
<http://groups.google.com/group/freebiefinder>
google.com/group/freebiefinder
>
> Its an excellent group, and has lots of stuff which is completely
> free! I just downloaded some of their fantastic audio books,
free!,and
> foundsome fantstic links to other free stuff.
> Go and join, it costs nothing!
>
> Oh..almost forgot!..I found some great freebies today that you can
> apply for:
>
> 5 free top selling books & a ton of other BIG offers!

> http://moourl. <http://moourl.com/myfreebies> com/myfreebies
>

[Non-text portions of this message have been removed]

4690. Re: [ham-antennas] 6BTV

Yahoo group: ham-antennas (2008)
Date: 2008-04-24 19:11:09 UTC
From: van lincoln
Topic: 4679 Message: 4690

Why not just put a 2x3 foot flag at the top,
and call it your flagpole. If someone says take
your flagpole down, I think that's illegal.
wd8aam

At 05:15 4/24/2008, Donal wrote:

>Hi,
>I want to site a Hustler 6BTV at our holiday home as I spend most of
>the summer there. Unfortunately the developer doesn't allow any radio
>antennas on the holiday complex.
>
>I was therefore wondering if it would be possible to place a 6BTV
>inside a totally enclosed soil pipe (5-6 inch dia' plastic pipe) and
>fix to the wall with radials buried in the garden?
>
>Has anyone else tried this method? As I'd be interested in how it
>affect the antenna's performance.
>
>Sorry so many questions I know.
>
>73 & Good DX
>Danny MI3DBB
>
>

[Non-text portions of this message have been removed]

4691. Rybakov antenna

Yahoo group: ham-antennas (2008)
Date: 2008-04-24 20:41:50 UTC
From: Ted Horishny
Topic: 4691 Message: 4691

Has anyone seen one of these? IV3SBE's website markets this along with construction info for the matching transformer. It looks like a fiber mast at least 32 feet long attached to a pvc extension about 4 feet long which has the transformer mounted to it. Bottom pvc piece seems to have a spiral winding. Anyone know? Thanks in advance.
Ted WT2G

4692. RE: [ham-antennas] 6BTV

Yahoo group: ham-antennas (2008)
Date: 2008-04-24 20:47:03 UTC
From: Rich Schmuke
Topic: 4679 Message: 4692

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Thursday, April 24, 2008 5:44 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] 6BTV

Dan ,

I have made 2m Slim Jim and other types of antennas and installed them in PVC. I found that you need to adjust the tuning by about 19% , I don't know if HF would have the same affect as the higher frequency. Also you will find the Hustler heavier that the Cushcraft because made from heavier parts that will last longer in high wind loads. I would trade you my Cushcraft for you Hustler.

KD0ZZ , Rich

I am not getting older but having a propagation problem with the neurons in the grey matter.

Any errors in spelling or facts are tramsmission errors

At 10:15 AM 4/24/2008 +0000, you wrote:

>Hi,
>I want to site a Hustler 6BTV at our holiday home as I spend most of
>the summer there. Unfortunately the developer doesn't allow any radio
>antennas on the holiday complex.
>
>I was therefore wondering if it would be possible to place a 6BTV
>inside a totally enclosed soil pipe (5-6 inch dia' plastic pipe) and
>fix to the wall with radials buried in the garden?
>
>Has anyone else tried this method? As I'd be interested in how it
>affect the antenna's performance.
>
>Sorry so many questions I know.
>
>73 & Good DX
>Danny MI3DBB
>
>

[Non-text portions of this message have been removed]

4693. Re: [ham-antennas] W4RNL SK + www.cebik.com

Yahoo group: ham-antennas (2008)
Date: 2008-04-24 22:27:04 UTC
From: Andy
Topic: 4678 Message: 4693

> the website is here to stay, you just need
> to get your free guest access, info at
> www.cebik.com

Hey, it ain't that simple.

I did that and I can't get in. (Yes, I requested the "Free Membership, received the verification email, and confirmed it.)

Not only that but there is no link provided for a webmaster, or anyone else to service login problems.

Attempting to register again resulted in an error message with instructions to "Visit the Control Panel to view your account." Um, what the heck is the Control Panel (other than the one on my PC)? There ain't no link for anything called a Control Panel.

I think someone hijacked Mr. Cebik's website and it's already gone.

:-(

Andy

4694. RE: [ham-antennas] W4RNL SK + www.cebik.com

Yahoo group: ham-antennas (2008)
Date: 2008-04-24 22:40:17 UTC
From: Mike Besemer (WM4B)
Topic: 4678 Message: 4694

Worked fine for me.

Mike

WM4B

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Andy
Sent: Thursday, April 24, 2008 6:27 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] W4RNL SK + www.cebik.com

> the website is here to stay, you just need
> to get your free guest access, info at
> www.cebik.com

Hey, it ain't that simple.

I did that and I can't get in. (Yes, I requested the "Free Membership, received the verification email, and confirmed it.)

Not only that but there is no link provided for a webmaster, or anyone else to service login problems.

Attempting to register again resulted in an error message with instructions to "Visit the Control Panel to view your account." Um, what the heck is the Control Panel (other than the one on my PC)? There ain't no link for anything called a Control Panel.

I think someone hijacked Mr. Cebik's website and it's already gone.

:-(

Andy

[Non-text portions of this message have been removed]

4695. Re: [ham-antennas] W4RNL SK + www.cebik.com

Yahoo group: ham-antennas (2008)
Date: 2008-04-24 23:09:45 UTC
From: Andy
Topic: 4678 Message: 4695

> Worked fine for me.

Still doesn't work for me.

Why'd they have to go and mess it up? Why tamper with and break something that worked fine before?

4696. Re: [ham-antennas] W4RNL SK + www.cebik.com

Yahoo group: ham-antennas (2008)
Date: 2008-04-24 23:29:46 UTC
From: Andy
Topic: 4678 Message: 4696

> Worked fine for me.

What web browser / version are you using?

I'm starting to think it's something specific to a web browser that makes it work or not work. This computer runs Microsoft Internet Explorer version 6 and maybe that's the problem? Maybe the Antennex guys wrote code that only works with version 7, or Firefox or something.

Andy

4697. Re: [ham-antennas] W4RNL SK + www.cebik.com

Yahoo group: ham-antennas (2008)
Date: 2008-04-25 02:02:47 UTC
From: N0ATH
Topic: 4678 Message: 4697

Also working fine at my house on I.E. 7 - I think the antennex fellows picked it up because if Mr. Cebik was not there to pay his monthly dues it would soon go asunder - Compliments to them for fixing what hadn't yet broke but was sure a gonna!
Dave / N?ATH
73

----- Original Message -----
From: "Andy" <Andy.groups@...>
To: <ham-antennas@yahoogroups.com>
Sent: Thursday, April 24, 2008 6:29 PM
Subject: Re: [ham-antennas] W4RNL SK + www.cebik.com

> Worked fine for me.

What web browser / version are you using?

I'm starting to think it's something specific to a web browser that makes it work or not work. This computer runs Microsoft Internet Explorer version 6 and maybe that's the problem? Maybe the Antennex guys wrote code that only works with version 7, or Firefox or something.

Andy

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 974 members (as of 11/07/07,
and attachments are NOT permitted.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

4698. Re: [ham-antennas] W4RNL SK + www.cebik.com

Yahoo group: ham-antennas (2008)
Date: 2008-04-25 02:10:24 UTC
From: Chris
Topic: 4678 Message: 4698

You register, then get an email, you click to confirm and another email arrives with your password...and it isn't the password you set the first time. It took several minutes for that last email with the site generated password to arrive here.

The subject has "Your New Membership Account" in it.

I then clicked on that link, logged in and changed my password again.

Did you overlook that second email from the site with the generated password it sends?

On Thu, Apr 24, 2008 at 6:27 PM, Andy <Andy.groups@...> wrote:
> > the website is here to stay, you just need
> > to get your free guest access, info at
> > www.cebik.com
>
> Hey, it ain't that simple.
>
> I did that and I can't get in. (Yes, I requested the "Free Membership,
> received the verification email, and confirmed it.)
>
> Not only that but there is no link provided for a webmaster, or anyone else
> to service login problems.
>
> Attempting to register again resulted in an error message with instructions
> to "Visit the Control Panel to view your account." Um, what the heck is the
> Control Panel (other than the one on my PC)? There ain't no link for
> anything called a Control Panel.
>
> I think someone hijacked Mr. Cebik's website and it's already gone.
>
> :-(
>
> Andy
>
>
>
>
>
> ---
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 974 members (as of 11/07/07, and attachments are NOT permitted.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com

> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
>

4699. TGM COMM. MQ-26SR HYBRID QUAD mini beam

Yahoo group: ham-antennas (2008)
Date: 2008-04-25 03:27:35 UTC
From: wv2c
Topic: 4699 Message: 4699

Hi All ...new to the group...need your advice!
Have a space issue and considering only the MQ-26SR hybrid mini beam, the cushcraft MA5B and the Mosley MINI 33A WARC. All are around the same price. The MQ26SR boasts the best overall gain on all bands. I see ok reviews on the MA5B and almost nothing anywhere on the Mosley.
To be honest I am leaning towards the MQ-26SR. Does anyone have any experiences to offer?
Many thanks to all.
Tony
73
WV2C

4700. Re: [ham-antennas] TGM COMM. MQ-26SR HYBRID QUAD mini beam

Yahoo group: ham-antennas (2008)
Date: 2008-04-25 03:37:35 UTC
From: N0ATH
Topic: 4699 Message: 4700

Yes sir - I have an opinion anyway - Mosley will be there when the ice takes the others away and it will perform at least as well - I like the Cushcraft VHF antennas but the HF antennas are no ways near as heavily built as the Mosley. The gain figures are all set by the advertising department anyway, I doubt you will be able to tell the difference in signals between the three- (one more thing) on the Mosley,
if you operate 6 meters at all, check its operation on the bottom end of 6. I know they do not advertise it as such, but just check it and see what you find.
Worked for me. Dave / N?ATH 73 & Good Luck Tony

From: "wv2c" <wv2c@...>
To: <ham-antennas@yahoogroups.com>
Sent: Thursday, April 24, 2008 10:27 PM
Subject: [ham-antennas] TGM COMM. MQ-26SR HYBRID QUAD mini beam

Hi All ...new to the group...need your advice!
Have a space issue and considering only the MQ-26SR hybrid mini beam, the cushcraft MA5B and the Mosley MINI 33A WARC. All are around the same price. The MQ26SR boasts the best overall gain on all bands. I see ok reviews on the MA5B and almost nothing anywhere on the Mosley.
To be honest I am leaning towards the MQ-26SR. Does anyone have any experiences to offer?
Many thanks to all.
Tony
73
WV2C

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 974 members (as of 11/07/07,
and attachments are NOT permitted.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

4701. Re: 6BTV

Yahoo group: ham-antennas (2008)
Date: 2008-04-25 09:22:52 UTC
From: Donal
Topic: 4679 Message: 4701

Tnx alot to all for the replies to my question(s) yesterday. I really appreciate all the comments generously passed on.

73
Danny - MI3DBB

4702. MFJ-209 Antenna analyzer on Ebay.

Yahoo group: ham-antennas (2008)
Date: 2008-04-25 13:04:24 UTC
From: John Shadle
Topic: 4702 Message: 4702

I've put an MFJ-209 antenna analyzer on Ebay. It works fine -- I've just upgraded to an MFJ-259B. You can see it at:

http://tinyurl.com/5jpmho

Thanks,

John
AC0CX

4703. Re: [ham-antennas] W4RNL SK + www.cebik.com

Yahoo group: ham-antennas (2008)
Date: 2008-04-25 13:40:36 UTC
From: Andy
Topic: 4678 Message: 4703

> You register, then get an email, you click to confirm and another
> email arrives with your password...

Ah, that was the missing step! They forgot to send me a password!

I did finally receive it today. Apparently someone's been screwing around with their system and some of it is broken. They were kind enough to send me my password, several hours later.

Unfortunately, nothing in the instructions ever said anything about a password. So all my login attempts failed.

> I think the antennex fellows picked it up because if Mr. Cebik was not
> there to pay his monthly dues it would soon go asunder - Compliments to
> them for fixing what hadn't yet broke but was sure a gonna!

Actually, the Antennex folks have already been hosting Mr. Cebik's site for more than a decade. Compliments to them for the last 11 years too!

Andy

4704. Re: TGM COMM. MQ-26SR HYBRID QUAD mini beam

Yahoo group: ham-antennas (2008)
Date: 2008-04-25 14:02:05 UTC
From: rkayakr
Topic: 4699 Message: 4704

Tony

I have the same space problem and have been considering the same antennas and the Force 12 C3SS. One differentiator for me is that the TGM claims gain on the WARC bands.

I also think the MQ-26SR might be the "sweet spot" in their 6 band line.

Bob
KD8CGH

4705. Re: [ham-antennas] W4RNL SK + www.cebik.com

Yahoo group: ham-antennas (2008)
Date: 2008-04-25 14:31:37 UTC
From: Chris
Topic: 4678 Message: 4705

I've traded sleep for reading that site many many times. I'm glad it will still stick around. It's a lifetime of knowledge.

Antennex have been on the prowl telling other sites they can no longer link to cebik.com though, I hope that doesn't foretell something bad happening. It's definitely not in the spirit of the author for sure.

I hate to think how many "I'm new to ham radio" emails that man answered over the years but I was stunned when he would reply to me any time I had a question about the material. That always amazed me.

On Fri, Apr 25, 2008 at 9:40 AM, Andy <Andy.groups@...> wrote:
> Actually, the Antennex folks have already been hosting Mr. Cebik's site for
> more than a decade. Compliments to them for the last 11 years too!
>
> Andy

4706. RE: [ham-antennas] MFJ-209 Antenna analyzer on Ebay.

Yahoo group: ham-antennas (2008)
Date: 2008-04-25 14:49:23 UTC
From: Rich Schmuke
Topic: 4702 Message: 4706

You will love the 259B , mine is great.

Rich , Kd0zz

As an act of plagiarism . Disclaimer: Any errors in spelling or facts are transmission errors.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of John Shadle
Sent: Friday, April 25, 2008 8:04 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] MFJ-209 Antenna analyzer on Ebay.

I've put an MFJ-209 antenna analyzer on Ebay. It works fine -- I've just upgraded to an MFJ-259B. You can see it at:

http://tinyurl.com/5jpmho

Thanks,

John
AC0CX

[Non-text portions of this message have been removed]

4707. [ham-antennas] Rohn TB-3 Thrust Bearing

Yahoo group: ham-antennas (2008)
Date: 2008-04-25 15:43:50 UTC
From: NS5B@comcast.net
Topic: 4707 Message: 4707

Anyone have a spare Rohn TB-3 Thrust Bearing to sell? I have everything in place, but before I can install my antenna and mast, I require a thrust bearing. If I had a newer more robust rotor, I wouldn't worry about it, but due to the weight of the 20' mast, and the large 7 element tri-bander, I prefer to use a bearing to help support the load. This is the only thing that is holding me up.

Would be nice to buy from someone with a paypal account, but I can send a MO also.

Thanks,
Steve, NS5B
NS5B@...

[Non-text portions of this message have been removed]

4708. Re: [ham-antennas] W4RNL SK + www.cebik.com

Yahoo group: ham-antennas (2008)
Date: 2008-04-25 15:57:03 UTC
From: NS5B@comcast.net
Topic: 4678 Message: 4708

A couple of days ago, I could access the site freely and read the articles. Now since they require a username/password, I can not access the "Get New Member Login Here" to work. I keep getting an error message....

Fatal error: Allowed memory size of 8388608 bytes exhausted (tried to allocate 41 bytes) in /usr/local/www/cebik/mm2/libs/admin_functions.php on line 0

Steve, NS5B

---------- Original message ----------
From: Andy <Andy.groups@...>
> You register, then get an email, you click to confirm and another
> email arrives with your password...

Ah, that was the missing step! They forgot to send me a password!

I did finally receive it today. Apparently someone's been screwing around with their system and some of it is broken. They were kind enough to send me my password, several hours later.

Unfortunately, nothing in the instructions ever said anything about a password. So all my login attempts failed.

> I think the antennex fellows picked it up because if Mr. Cebik was not
> there to pay his monthly dues it would soon go asunder - Compliments to
> them for fixing what hadn't yet broke but was sure a gonna!

Actually, the Antennex folks have already been hosting Mr. Cebik's site for more than a decade. Compliments to them for the last 11 years too!

Andy

[Non-text portions of this message have been removed]

4709. Re: [ham-antennas] W4RNL SK + www.cebik.com

Yahoo group: ham-antennas (2008)
Date: 2008-04-25 16:07:36 UTC
From: hermit
Topic: 4678 Message: 4709

Same here, Steve.

Dick KB3OMJ

>A couple of days ago, I could access the site freely and read the articles. Now since they require a username/password, I can not access the "Get New Member Login Here" to work. I keep getting an error message....
>
>Fatal error: Allowed memory size of 8388608 bytes exhausted (tried to allocate 41 bytes) in /usr/local/www/cebik/mm2/libs/admin_functions.php on line 0
>
>
>Steve, NS5B
>
>
>-------------- Original message --------------
>From: Andy <Andy.groups@...>
>> You register, then get an email, you click to confirm and another
>> email arrives with your password...
>
>Ah, that was the missing step! They forgot to send me a password!
>
>I did finally receive it today. Apparently someone's been screwing around
>with their system and some of it is broken. They were kind enough to send
>me my password, several hours later.
>
>Unfortunately, nothing in the instructions ever said anything about a
>password. So all my login attempts failed.
>
>> I think the antennex fellows picked it up because if Mr. Cebik was not
>> there to pay his monthly dues it would soon go asunder - Compliments to
>> them for fixing what hadn't yet broke but was sure a gonna!
>
>Actually, the Antennex folks have already been hosting Mr. Cebik's site for
>more than a decade. Compliments to them for the last 11 years too!
>
>Andy
>
>
>
>
>[Non-text portions of this message have been removed]

4710. Re: TGM COMM. MQ-26SR HYBRID QUAD mini beam

Yahoo group: ham-antennas (2008)
Date: 2008-04-25 18:54:05 UTC
From: wv2c
Topic: 4699 Message: 4710

--- In ham-antennas@yahoogroups.com, "rkayakr" <rbenedic@...> wrote:
>
> Tony
>
> I have the same space problem and have been considering the same
> antennas and the Force 12 C3SS. One differentiator for me is that the
> TGM claims gain on the WARC bands.
>
> I also think the MQ-26SR might be the "sweet spot" in their 6 band
> line.
>
> Bob
> KD8CGH
>

I am thinking about that gain issue as well.
Looking for more comments at this point.
TNX/73
WV2C

4711. Antenna & the Coax Connection Question

Yahoo group: ham-antennas (2008)
Date: 2008-04-25 19:13:29 UTC
From: foreveraccount
Topic: 4711 Message: 4711

If you connect the center conductor of the coax to the antenna, and remove the surrounding shield and go to radials & ground with it, won't water get in the coax now since there is an opening in the coax on the end??

Dan

4712. Re: [ham-antennas] W4RNL SK + www.cebik.com

Yahoo group: ham-antennas (2008)
Date: 2008-04-25 19:18:48 UTC
From: Andy
Topic: 4678 Message: 4712

> A couple of days ago, I could access the site freely and read the
> articles. Now since they require a username/password, I can not access the
> "Get New Member Login Here" to work. I keep getting an error message....

It is a temporary problem.

Once they fix it and you are able to register, you will be able to access
the whole site again.

Andy

4713. Re: W4RNL SK + www.cebik.com

Yahoo group: ham-antennas (2008)
Date: 2008-04-25 20:04:04 UTC
From: james27613
Topic: 4678 Message: 4713

Hi everyone,

No need to worry, www.cebik.com is online and running,
thanks to Jack Stone of Antennex. Jack was publisher for
LB Ceibk, sponsored www.cebik.com as well as a good friend.

The delays could be from everyone obtaining the secure login.
This keeps out the bandwith hogs that link to your site and
use up all your bandwidth, along with attempting to download
the entire website for their own use.

any questions, visit www.antennex.com

73 james ke4drn

--- In ham-antennas@yahoogroups.com, Andy <Andy.groups@...> wrote:
>
> > the website is here to stay, you just need
> > to get your free guest access, info at
> > www.cebik.com
>
> Hey, it ain't that simple.
>
> I did that and I can't get in. (Yes, I requested the "Free
Membership,
> received the verification email, and confirmed it.)
>
> Not only that but there is no link provided for a webmaster, or
anyone else
> to service login problems.
>
> Attempting to register again resulted in an error message with
instructions
> to "Visit the Control Panel to view your account." Um, what the
heck is the
> Control Panel (other than the one on my PC)? There ain't no link
for
> anything called a Control Panel.
>
> I think someone hijacked Mr. Cebik's website and it's already gone.
>
> :-(
>
> Andy
>

4714. RE: [ham-antennas] Antenna & the Coax Connection Question

Yahoo group: ham-antennas (2008)
Date: 2008-04-25 20:23:07 UTC
From: Rich Schmuke
Topic: 4711 Message: 4714

Yup ,and 9913 is the worst kind to do that. Most of the time they forget to tell a person to seal the end of the coax. You can use a little RTV and/or epoxy. I use epoxy for fast drying and it seems to hold up a little better, I also use shrink on the coax fittings if I use UHF , type N is better. I also use clear finger nail polish to seal the ends of the shrink if I am working with 9913 or a poly foam type , the solid is more water resistant . If you use a center support for the dipole that you can wrap the coax around and then point the open end of the coax down, that is better.

Is that a help???

KD0ZZ , Rich

I am not getting older but having a propagation problem with the neurons in the grey matter.

Any errors in spelling or facts are tramsmission errors

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of foreveraccount
Sent: Friday, April 25, 2008 2:13 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Antenna & the Coax Connection Question

If you connect the center conductor of the coax to the antenna, and remove the surrounding shield and go to radials & ground with it, won't water get in the coax now since there is an opening in the coax on the end??

Dan

[Non-text portions of this message have been removed]

4715. Re: [ham-antennas] Re: W4RNL SK + www.cebik.com

Yahoo group: ham-antennas (2008)
Date: 2008-04-25 20:40:09 UTC
From: NS5B@comcast.net
Topic: 4678 Message: 4715

Awesome. Tried it again, and it worked great this time. Was able to sign up, and received the verification seconds after entering my information. Clicking on the link conformed my info, and again, only seconds until I got a my login password. Thanks Jack! and all involved.

Steve, NS5B

---------- Original message ----------
From: "james27613" <james27613@...>
Hi everyone,

No need to worry, www.cebik.com is online and running,
thanks to Jack Stone of Antennex. Jack was publisher for
LB Ceibk, sponsored www.cebik.com as well as a good friend.

The delays could be from everyone obtaining the secure login.
This keeps out the bandwith hogs that link to your site and
use up all your bandwidth, along with attempting to download
the entire website for their own use.

any questions, visit www.antennex.com

73 james ke4drn

--- In ham-antennas@yahoogroups.com, Andy <Andy.groups@...> wrote:
>
> > the website is here to stay, you just need
> > to get your free guest access, info at
> > www.cebik.com
>
> Hey, it ain't that simple.
>
> I did that and I can't get in. (Yes, I requested the "Free
Membership,
> received the verification email, and confirmed it.)
>
> Not only that but there is no link provided for a webmaster, or
anyone else
> to service login problems.
>
> Attempting to register again resulted in an error message with
instructions
> to "Visit the Control Panel to view your account." Um, what the
heck is the
> Control Panel (other than the one on my PC)? There ain't no link
for
> anything called a Control Panel.

>
> I think someone hijacked Mr. Cebik's website and it's already gone.
>
> :-(
>
> Andy
>

[Non-text portions of this message have been removed]

4716. Re: TGM COMM. MQ-26SR HYBRID QUAD mini beam

Yahoo group: ham-antennas (2008)
Date: 2008-04-25 20:40:15 UTC
From: ke4nu_7
Topic: 4699 Message: 4716

Hello, I've ran the TGM 20-6 meter hybrid quad for several years. For the most part I've been pleased with it. It does have gain, light and small wind load, only needs a light duty rotor. On the negative side, narrow bandwidth. It has survived the winds of western montana, so its pretty hardy. I'm in the process of replacing it with a broadband hexbeam (homemade). If you go with the TGM I think you'll be happy with it, I know I was but now I want something with more gain...73, Alan
>
>

4717. Re: Antenna & the Coax Connection Question

Yahoo group: ham-antennas (2008)
Date: 2008-04-25 20:53:26 UTC
From: foreveraccount
Topic: 4711 Message: 4717

Thanks,

Dan

--- In ham-antennas@yahoogroups.com, "Rich Schmuke" <rdj@...> wrote:
>
> Yup ,and 9913 is the worst kind to do that. Most of the time they
forget to
> tell a person to seal the end of the coax. You can use a little RTV
and/or
> epoxy. I use epoxy for fast drying and it seems to hold up a little
better,
> I also use shrink on the coax fittings if I use UHF , type N is
better. I
> also use clear finger nail polish to seal the ends of the shrink if
I am
> working with 9913 or a poly foam type , the solid is more water
resistant .
> If you use a center support for the dipole that you can wrap the
coax around
> and then point the open end of the coax down, that is better.
>
> Is that a help???
>
>
>
> KD0ZZ , Rich
>
>
>
> I am not getting older but having a propagation problem with the
neurons in
> the grey matter.
>
> Any errors in spelling or facts are tramsmission errors
>
>
>
> From: ham-antennas@yahoogroups.com [mailto:ham-
antennas@yahoogroups.com] On
> Behalf Of foreveraccount
> Sent: Friday, April 25, 2008 2:13 PM
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] Antenna & the Coax Connection Question
>

>
>
>
> If you connect the center conductor of the coax to the
> antenna, and remove the surrounding shield and go to
> radials & ground with it, won't water get in the coax
> now since there is an opening in the coax on the end??
>
> Dan
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

4718. Newbie

Yahoo group: ham-antennas (2008)
Date: 2008-04-26 03:09:39 UTC
From: DRJVM@AOL.COM
Topic: 4718 Message: 4718

Hi,
I'm new to the group. I wanted to either make or purchase a field antenna for HF. It has to be lightweight, easy to put up, and have multiple bands w/o having to move clips on tuning coils. I would like to have 80m, 40m & 20m at a minimum. And the last part is to have as small a foot print as possible. I like the buddie pole but I don't like the idea of having to move clips around when you change bands. Any suggestions from the group?

Joe
KC2NKK

**********Need a new ride? Check out the largest site for U.S. used car listings at AOL Autos.
(http://autos.aol.com/used?NCID=aolcmp00300000002851)

[Non-text portions of this message have been removed]

4719. Re: [ham-antennas] Newbie

Yahoo group: ham-antennas (2008)
Date: 2008-04-26 04:24:14 UTC
From: danny garvin
Topic: 4718 Message: 4719

I built a portable antenna once using a 3lb coffiee can in the bottom of the can I installed a 3/8 antenna mount that I would screw a 102' steel CB whip into inside the can I put a coil that I had taped for the different bands and then installed a waffer switch to switch from band to band I used it with my HW-8 when I went camping. Just one idea.
Danny
   WB9RIM

----- Original Message ----
From: "DRJVM@..." <DRJVM@...>
To: ham-antennas@yahoogroups.com
Sent: Friday, April 25, 2008 10:09:39 PM
Subject: [ham-antennas] Newbie

Hi,
I'm new to the group. I wanted to either make or purchase a field antenna for HF. It has to be lightweight, easy to put up, and have multiple bands w/o having to move clips on tuning coils. I would like to have 80m, 40m & 20m at a minimum. And the last part is to have as small a foot print as possible. I like the buddie pole but I don't like the idea of having to move clips around when you change bands. Any suggestions from the group?

Joe
KC2NKK

********** **Need a new ride? Check out the largest site for U.S. used car listings at AOL Autos.
(http://autos. aol.com/used? NCID=aolcmp00300 000002851)

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

4720. Re: [ham-antennas] Antenna & the Coax Connection Question

Yahoo group: ham-antennas (2008)
Date: 2008-04-26 06:58:01 UTC
From: Wayne
Topic: 4711 Message: 4720

Yes, it will get water in it when it rains.
And it is amazing how many hames with advanced or extra class licenses will and have done exactly that kind of thing.
It is possible to seal it, but with care as to what kind of sealant is used.
I always tape the connectors I have up outside, been doing it since the early 70's when I used to install TV antennas...
Properly taped, a connection will stay reasonably good through the years.
YMMV

Wayne WA2YNE

On Fri, 25 Apr 2008 14:13:29 -0500, foreveraccount
<foreveraccount@...> wrote:

>
> If you connect the center conductor of the coax to the
> antenna, and remove the surrounding shield and go to
> radials & ground with it, won't water get in the coax
> now since there is an opening in the coax on the end??
>
> Dan
>

--
Using Opera's revolutionary e-mail client: http://www.opera.com/mail/

4721. Re: [ham-antennas] Antenna & the Coax Connection Question

Yahoo group: ham-antennas (2008)
Date: 2008-04-26 08:17:56 UTC
From: hermit
Topic: 4711 Message: 4721

After I tape a connection, I wrap it with rubber mastic tape, then I apply several coats of liquid tape. That stuff is fantastic. Makes for a moisture proof connection. Be aware though, my method can be a real challenge when trying to get at the connection later when changing antennas etc.

Dick KB3OMJ

>
> Yes, it will get water in it when it rains.
> And it is amazing how many hames with advanced or extra class licenses
>will and have done exactly that kind of thing.
> It is possible to seal it, but with care as to what kind of sealant is
>used.
> I always tape the connectors I have up outside, been doing it since the
>early 70's when I used to install TV antennas...
> Properly taped, a connection will stay reasonably good through the years.
> YMMV
>
> Wayne WA2YNE
>
>
>
>On Fri, 25 Apr 2008 14:13:29 -0500, foreveraccount
><foreveraccount@...> wrote:
>
>>
>> If you connect the center conductor of the coax to the
>> antenna, and remove the surrounding shield and go to
>> radials & ground with it, won't water get in the coax
>> now since there is an opening in the coax on the end??
>>
>> Dan
>>

4722. RE: [ham-antennas] Newbie

Yahoo group: ham-antennas (2008)
Date: 2008-04-26 12:21:31 UTC
From: James Fogg
Topic: 4718 Message: 4722

Would a horizontal dipole work? With a launcher like the EZ-Hang you can string a dipole easily in trees. A fan dipole or a parallel dipole would be multi-band, or you could use a tuner on a simple 80M dipole and get all you want.

BTW- though the EZ-Hang is around $100, you can make one for about $25 from Wal-Mart parts. That's if your state allows the sale of slingshots. I built one and I love it.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of DRJVM@...
Sent: Friday, April 25, 2008 11:10 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Newbie

Hi,
I'm new to the group. I wanted to either make or purchase a field antenna
for HF. It has to be lightweight, easy to put up, and have multiple bands w/o
having to move clips on tuning coils. I would like to have 80m, 40m & 20m at a
minimum. And the last part is to have as small a foot print as possible. I
like the buddie pole but I don't like the idea of having to move clips around
when you change bands. Any suggestions from the group?

Joe
KC2NKK

**********Need a new ride? Check out the largest site for U.S. used car
listings at AOL Autos.
(http://autos.aol.com/used?NCID=aolcmp00300000002851
<http://autos.aol.com/used?NCID=aolcmp00300000002851>)

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

4723. Delta beam LB 32MCD/WB instruction wanted!

Yahoo group: ham-antennas (2008)
Date: 2008-04-26 12:26:17 UTC
From: miaidea2001
Topic: 4723 Message: 4723

Hi folks,
I try the instruction of Lightining Bolt 32MCD/WB Delta 2 el.
I believe that this antenna is no longer in production and therefore I think that those who kindly gives me a copy will not constitute illegal action.
For me it is very important.

73's IK6GQC Rocco

4724. Re: TGM COMM. MQ-26SR HYBRID QUAD mini beam

Yahoo group: ham-antennas (2008)
Date: 2008-04-26 13:04:21 UTC
From: wv2c
Topic: 4699 Message: 4724

--- In ham-antennas@yahoogroups.com, "ke4nu_7" <ke4nu7@...> wrote:
>
> Hello, I've ran the TGM 20-6 meter hybrid quad for several years. For
> the most part I've been pleased with it. It does have gain, light and
> small wind load, only needs a light duty rotor. On the negative side,
> narrow bandwidth. It has survived the winds of western montana, so its
> pretty hardy. I'm in the process of replacing it with a broadband
> hexbeam (homemade). If you go with the TGM I think you'll be happy
> with it, I know I was but now I want something with more gain...73,
Alan
> >
> >
>
Thanks for the feedback, I'm thinking the internal antenna tunner on
the 746 Pro will help me out especially on 20 meters. I will be
replacing a Cushcraft R6000 vertical .....Tony

4725. Wire radials v chicken wire

Yahoo group: ham-antennas (2008)
Date: 2008-04-26 13:49:00 UTC
From: Donal
Topic: 4725 Message: 4725

Hi,
I was wondering which would be best as a radial system for my 6BTV, some copper wire or chicken wire?

I was also planning on peeling the grass and about 2 inches of soil back to bury either or both... would this be okay or should it be tacked down on top of the grass?

The other thing is I have about 100m of copper wire donated to me for antenna projects, problem is it is insulated... so I was wondering if I need to burn the insulation (plastic) off before using as radials if I choose the copper wire over the chicken wire.

Much thanks for reading.

73 and GL
Danny - MI3DBB

4726. RE: [ham-antennas] Wire radials v chicken wire

Yahoo group: ham-antennas (2008)
Date: 2008-04-26 13:54:02 UTC
From: Kirk Morrison
Topic: 4725 Message: 4726

```
--------------------------------
> To: ham-antennas@yahoogroups.com
> From: poteeny2k@...
> Date: Sat, 26 Apr 2008 13:49:00 +0000
> Subject: [ham-antennas] Wire radials v chicken wire
>
>
> Hi,
> I was wondering which would be best as a radial system for my 6BTV,
> some copper wire or chicken wire?
>
> I was also planning on peeling the grass and about 2 inches of soil
> back to bury either or both... would this be okay or should it be
> tacked down on top of the grass?
>
> The other thing is I have about 100m of copper wire donated to me for
> antenna projects, problem is it is insulated... so I was wondering if I
> need to burn the insulation (plastic) off before using as radials if I
> choose the copper wire over the chicken wire.
>
> Much thanks for reading.
>
> 73 and GL
> Danny - MI3DBB
>
>
>

--------------------------------------------------------------------
Make i'm yours.  Create a custom banner to support your cause.
http://im.live.com/Messenger/IM/Contribute/Default.aspx?source=TXT_TAGHM_MSN_Make_IM_Yours
```

4727. RE: [ham-antennas] Wire radials v chicken wire

Yahoo group: ham-antennas (2008)
Date: 2008-04-26 13:58:18 UTC
From: Kirk Morrison
Topic: 4725 Message: 4727

Sorry Email hiccupped and sent before I was ready. You don't want to use chickenwire as the really good stuff will cost a heck of a lot more and not last as long as copper. My chicken coop needs major repairs after 5 years to the pen area and most of the problem is rust.

I use 48 copper wires cut for several bands. I have stripped the wire and not stripped the wire, difference about .1 to the velocity factor even in a fat and parrel dipole and Radials. My advice don't sweat the small stuff your local interactions will have a greater effect than the insulation.

Kirk KA4PXK
Liberty Hill, SC

Back to work after baby-how do you know when you’re ready?
http://lifestyle.msn.com/familyandparenting/articleNW.aspx?cp-documentid=5797498&ocid=T067MSN40A0701A

4728. RE: [ham-antennas] Newbie

Yahoo group: ham-antennas (2008)
Date: 2008-04-26 14:07:18 UTC
From: Kirk Morrison
Topic: 4718 Message: 4728

I would use an all band doublet style antenna cheap, easy to set up and effective. The EZ-Hang that I made cost me about 18 dollars. 2 for a bag of sinkers, 7 for the slingshot, 7 for the Zebco 202 (I should have spent a couple more for the 404) and the rest for a piece of 1 inch dowling, a broom handle will work as well, the rest for a 3 inch bolt, a nut and two washers to hold the reel out front. Works great and I can hang stuff up to about 60 feet with it. Beyond that I use my compound bow, a blunt arrow, glued a spent cartridge up front with hot glue and the same reel. A fix the reel to the dowl with electrical tape and a couple of wire ties.

Good Luck and good DX

Kirk KA4PXK
Liberty Hill SC

> To: ham-antennas@yahoogroups.com
> From: james@...
> Date: Sat, 26 Apr 2008 08:21:31 -0400
> Subject: RE: [ham-antennas] Newbie
>
>
> Would a horizontal dipole work? With a launcher like the EZ-Hang you can
> string a dipole easily in trees. A fan dipole or a parallel dipole would
> be multi-band, or you could use a tuner on a simple 80M dipole and get
> all you want.
>
> BTW- though the EZ-Hang is around $100, you can make one for about $25
> from Wal-Mart parts. That's if your state allows the sale of slingshots.
> I built one and I love it.
>
> ---
>
> From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> On Behalf Of DRJVM@...
> Sent: Friday, April 25, 2008 11:10 PM
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] Newbie
>
> Hi,
> I'm new to the group. I wanted to either make or purchase a field
> antenna
> for HF. It has to be lightweight, easy to put up, and have multiple
> bands w/o
> having to move clips on tuning coils. I would like to have 80m, 40m &
> 20m at a
> minimum. And the last part is to have as small a foot print as possible.

> I
> like the buddie pole but I don't like the idea of having to move clips
> around
> when you change bands. Any suggestions from the group?
>
> Joe
> KC2NKK
>
> **********Need a new ride? Check out the largest site for U.S. used
> car
> listings at AOL Autos.
> (http://autos.aol.com/used?NCID=aolcmp00300000002851
>)
>
> [Non-text portions of this message have been removed]
>
> [Non-text portions of this message have been removed]
>
>
>

Back to work after baby–how do you know when you're ready?
http://lifestyle.msn.com/familyandparenting/articleNW.aspx?cp-documentid=5797498&ocid=T067MSN40A0701A

4729. Re: [ham-antennas] Wire radials v chicken wire

Yahoo group: ham-antennas (2008)
Date: 2008-04-26 14:11:56 UTC
From: Phil Bader
Topic: 4725 Message: 4729

I imagine the radials's capacitance to the ground is the thing, which is
there even with the insulation on. A direct DC ground is necessary for
static lightning protection IMHO.
Phil B
Philip Bader
pbader@...
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakelandarc.org/
Currently: Polk County School Board Electronics
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006

----- Original Message -----
From: "Kirk Morrison" <ka4pxk@...>
To: <ham-antennas@yahoogroups.com>
Sent: Saturday, April 26, 2008 9:58 AM
Subject: RE: [ham-antennas] Wire radials v chicken wire

Sorry Email hiccupped and sent before I was ready. You don't want to use
chickenwire as the really good stuff will cost a heck of a lot more and not
last as long as copper. My chicken coop needs major repairs after 5 years to
the pen area and most of the problem is rust.

I use 48 copper wires cut for several bands. I have stripped the wire and
not stripped the wire, difference about .1 to the velocity factor even in a
fat and parrel dipole and Radials. My advice don't sweat the small stuff
your local interactions will have a greater effect than the insulation.

Kirk KA4PXK
Liberty Hill, SC

_____
Back to work after baby?how do you know when you?re ready?
http://lifestyle.msn.com/familyandparenting/articleNW.aspx?cp-documentid=5797498&ocid=T067
MSN40A0701A

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
to ALL 974 members (as of 11/07/07, and attachments are NOT permitted.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
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--
No virus found in this incoming message.

Checked by AVG.
Version: 7.5.524 / Virus Database: 269.23.5/1398 - Release Date: 4/25/2008
2:31 PM

4730. RE: [ham-antennas] Antenna & the Coax Connection Question

Yahoo group: ham-antennas (2008)
Date: 2008-04-26 14:14:22 UTC
From: Kirk Morrison
Topic: 4711 Message: 4730

I use to use the liquid tape, but after I foundcoax seal I switched to it. The other thing I do is I put regular electrical tape on first, and then paint it It either much much easier to remove it need be.

Kirk KA4PXK

Liberty Hill, SC

_____
Spell a grand slam in this game where word skill meets World Series. Get in the game.
http://club.live.com/word_slugger.aspx?icid=word_slugger_wlhm_admod_april08

4731. RE: [ham-antennas] Wire radials v chicken wire

Yahoo group: ham-antennas (2008)
Date: 2008-04-26 14:24:32 UTC
From: Kirk Morrison
Topic: 4725 Message: 4731

Yes and you can tie the radials to the dc ground (not a bad idea) the radials couple via capacitance and the DC is a straight ground. I tie all to a central DC ground switch, and use large dia wire #6 to the ground rods I use 3 joined by a piece of strapping made from a piece of fridge water coil that I bought at the home store. My last ground rod has 4 #6 wires running out an extra 20 feet about 6 inches under ground near the drainfield. All antennas towers etc are tied to this system. My Granddad was a ground electrian in a powder plant. he taught me what a good DC static ground takes.

Kirk KA4PXK

Liberty Hill Sc

> To: ham-antennas@yahoogroups.com
> From: PBADER@...
> Date: Sat, 26 Apr 2008 10:11:56 -0400
> Subject: Re: [ham-antennas] Wire radials v chicken wire
>
> I imagine the radials's capacitance to the ground is the thing, which is
> there even with the insulation on. A direct DC ground is necessary for
> static lightning protection IMHO.
> Phil B
> Philip Bader
> pbader@...
> Amateur call: KI4NUC, Winter Haven, Fl.
> Member: Lakeland Amateur Radio Club
> http://www.lakelandarc.org/
> Currently: Polk County School Board Electronics
> Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006
>
>

Spell a grand slam in this game where word skill meets World Series. Get in the game.
http://club.live.com/word_slugger.aspx?icid=word_slugger_wlhm_admod_april08

4732. RE: [ham-antennas] Antenna & the Coax Connection Question

Yahoo group: ham-antennas (2008)
Date: 2008-04-26 14:48:48 UTC
From: AE5MH
Topic: 4711 Message: 4732

Ensuring that there is as little trapped air underneath whatever type sealant you use, tape the outside too with at least two layers. The last layer not pulled very tight so you won't allow the wind to pull it off. Quality tape (thicker the better) works much better and doesn't "flag" off" as much as the cheap/thin stuff.
AE5MH
-----Original Message-----
From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Kirk Morrison
Sent: Saturday, April 26, 2008 9:14 AM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Antenna & the Coax Connection Question

I use to use the liquid tape, but after I foundcoax seal I switched to it. The other thing I do is I put regular electrical tape on first, and then paint it It either much much easier to remove it need be.

Kirk KA4PXK

Liberty Hill, SC

_____
Spell a grand slam in this game where word skill meets World Series. Get in the game.
http://club.live.com/word_slugger.aspx?icid=word_slugger_wlhm_admod_april08

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Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
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List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

4733. RE: [ham-antennas] Rohn TB-3 Thrust Bearing

Yahoo group: ham-antennas (2008)
Date: 2008-04-26 17:39:24 UTC
From: NS5B
Topic: 4707 Message: 4733

Anybody?

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of NS5B@...
Sent: Friday, April 25, 2008 10:44 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Rohn TB-3 Thrust Bearing

Anyone have a spare Rohn TB-3 Thrust Bearing to sell? I have everything in place, but before I can install my antenna and mast, I require a thrust bearing. If I had a newer more robust rotor, I wouldn't worry about it, but due to the weight of the 20' mast, and the large 7 element tri-bander, I prefer to use a bearing to help support the load. This is the only thing that is holding me up.

Would be nice to buy from someone with a paypal account, but I can send a MO also.

Thanks,
Steve, NS5B
NS5B@Comcast. <mailto:NS5B%40Comcast.net> net

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

4734. RE: [ham-antennas] Rohn TB-3 Thrust Bearing

Yahoo group: ham-antennas (2008)
Date: 2008-04-26 18:10:29 UTC
From: AE5MH
Topic: 4707 Message: 4734

Wb0w@...

-----Original Message-----
From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of NS5B
Sent: Saturday, April 26, 2008 12:39 PM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Rohn TB-3 Thrust Bearing

Anybody?

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of NS5B@...
Sent: Friday, April 25, 2008 10:44 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Rohn TB-3 Thrust Bearing

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Would be nice to buy from someone with a paypal account, but I can send a MO also.

Thanks,
Steve, NS5B
NS5B@Comcast. <mailto:NS5B%40Comcast.net> net

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Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

4735. RE: [ham-antennas] Wire radials v chicken wire

Yahoo group: ham-antennas (2008)
Date: 2008-04-26 21:12:45 UTC
From: zl2hgr
Topic: 4725 Message: 4735

Don?t burn it off?.think of the crap you will be putting into the environment?.I know it would be mimimum?.but less is best.

>The other thing is I have about 100m of copper wire donated to me for
>antenna projects, problem is it is insulated... so I was wondering if I
>need to burn the insulation (plastic) off before using as radials if I
>choose the copper wire over the chicken wire.

Tom Dixon

E.P.C # 1101

HYPERLINK "mailto:zl2hgr@..."zl2hgr@...

Madness does not always howl. Sometimes, it is the quiet voice saying, "Hey, is there room in your head for one more?"

No virus found in this incoming message.
Checked by AVG.
Version: 7.5.524 / Virus Database: 269.23.5/1399 - Release Date: 26/04/08 2:17 p.m.

No virus found in this outgoing message.
Checked by AVG.
Version: 7.5.524 / Virus Database: 269.23.5/1399 - Release Date: 26/04/08 2:17 p.m.

[Non-text portions of this message have been removed]

4736. Re: [ham-antennas] Wire radials v chicken wire

Yahoo group: ham-antennas (2008)
Date: 2008-04-26 21:34:56 UTC
From: W5CPT
Topic: 4725 Message: 4736

Forget the chicken wire. In a year or two at the most it will be all gone. And don't worry about the insulation on the wire. It does not make any difference. Put down as many and as much as you can and in any direction possible. A perfect spoked wheel would be ideal, but you will not be able to tell any difference if yours is not perfect. With buried (or on-ground) radials the rule is "More is Better".

Clint - W5CPT

----- Original Message -----
From: Donal
To: ham-antennas@yahoogroups.com
Sent: Saturday, April 26, 2008 8:49 AM
Subject: [ham-antennas] Wire radials v chicken wire

Hi,
I was wondering which would be best as a radial system for my 6BTV, some copper wire or chicken wire?

I was also planning on peeling the grass and about 2 inches of soil back to bury either or both... would this be okay or should it be tacked down on top of the grass?

The other thing is I have about 100m of copper wire donated to me for antenna projects, problem is it is insulated... so I was wondering if I need to burn the insulation (plastic) off before using as radials if I choose the copper wire over the chicken wire.

Much thanks for reading.

73 and GL
Danny - MI3DBB

[Non-text portions of this message have been removed]

4737. Re: [ham-antennas] Wire radials v chicken wire

Yahoo group: ham-antennas (2008)
Date: 2008-04-27 03:19:50 UTC
From: W8OKN
Topic: 4725 Message: 4737

ditto

----- Original Message -----
From: W5CPT
To: ham-antennas@yahoogroups.com
Sent: Saturday, April 26, 2008 5:34 PM
Subject: Re: [ham-antennas] Wire radials v chicken wire

Forget the chicken wire. In a year or two at the most it will be all gone. And don't worry about the insulation on the wire. It does not make any difference. Put down as many and as much as you can and in any direction possible. A perfect spoked wheel would be ideal, but you will not be able to tell any difference if yours is not perfect. With buried (or on-ground) radials the rule is "More is Better".

Clint - W5CPT

----- Original Message -----
From: Donal
To: ham-antennas@yahoogroups.com
Sent: Saturday, April 26, 2008 8:49 AM
Subject: [ham-antennas] Wire radials v chicken wire

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back to bury either or both... would this be okay or should it be
tacked down on top of the grass?

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antenna projects, problem is it is insulated... so I was wondering if I
need to burn the insulation (plastic) off before using as radials if I
choose the copper wire over the chicken wire.

Much thanks for reading.

73 and GL
Danny - MI3DBB

[Non-text portions of this message have been removed]

No virus found in this incoming message.
Checked by AVG.
Version: 7.5.524 / Virus Database: 269.23.5/1398 - Release Date: 4/25/2008 2:31 PM

[Non-text portions of this message have been removed]

4738. Grid -vs- radials

Yahoo group: ham-antennas (2008)
Date: 2008-04-27 20:17:03 UTC
From: Callum M0MCX
Topic: 4725 Message: 4738

Following on from the chicken wire -vs- radials discussion, does anyone have an opinion if a grid system is any different (in practice) to a radial system since It will be easier for me to put a 2 foot grid down than a 120 radials system in place for a 40m vertical.

Ground area is about 45 feet by 30 feet.

Regards,

Callum McCormick

http://www.m0mcx.co.uk/

While others were busy thinking outside the box, I cut it up because I needed some cardboard for a project I was making.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of W8OKN
Sent: 27 April 2008 04:20
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Wire radials v chicken wire

ditto

----- Original Message -----
From: W5CPT
To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
Sent: Saturday, April 26, 2008 5:34 PM
Subject: Re: [ham-antennas] Wire radials v chicken wire

Forget the chicken wire. In a year or two at the most it will be all gone. And don't worry about the insulation on the wire. It does not make any difference. Put down as many and as much as you can and in any direction possible. A perfect spoked wheel would be ideal, but you will not be able to tell any difference if yours is not perfect. With buried (or on-ground) radials the rule is "More is Better".

Clint - W5CPT

----- Original Message -----
From: Donal
To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
Sent: Saturday, April 26, 2008 8:49 AM
Subject: [ham-antennas] Wire radials v chicken wire

Hi,
I was wondering which would be best as a radial system for my 6BTV, some copper wire or chicken wire?

I was also planning on peeling the grass and about 2 inches of soil back to bury either or both... would this be okay or should it be tacked down on top of the grass?

The other thing is I have about 100m of copper wire donated to me for antenna projects, problem is it is insulated... so I was wondering if I need to burn the insulation (plastic) off before using as radials if I choose the copper wire over the chicken wire.

Much thanks for reading.

73 and GL
Danny - MI3DBB

[Non-text portions of this message have been removed]

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[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

4739. RE: [ham-antennas] Re: TGM COMM. MQ-26SR HYBRID QUAD mini beam

Yahoo group: ham-antennas (2008)
Date: 2008-04-27 20:21:09 UTC
From: Callum M0MCX
Topic: 4699 Message: 4739

I have had an MQ (20, 15, 10) and a number of friends have them too. One fella around here has the 6 band: 20, 17, 15, 12, 10, 6. Works great. 20m is less directional because of the compromise but in the event you are in mini-beam territory anyway, you won't be far off.

Oh.. advice and after sales direct from Tom at the MQ factory is second to none too.

Cheers,

Callum McCormick

http://www.m0mcx.co.uk/

While others were busy thinking outside the box, I cut it up because I needed some cardboard for a project I was making.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of rkayakr
Sent: 25 April 2008 15:02
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: TGM COMM. MQ-26SR HYBRID QUAD mini beam

Tony

I have the same space problem and have been considering the same antennas and the Force 12 C3SS. One differentiator for me is that the TGM claims gain on the WARC bands.

I also think the MQ-26SR might be the "sweet spot" in their 6 band line.

Bob
KD8CGH

[Non-text portions of this message have been removed]

4740. Re: [ham-antennas] Grid -vs- radials

Yahoo group: ham-antennas (2008)
Date: 2008-04-27 21:14:22 UTC
From: W5CPT
Topic: 4725 Message: 4740

Think of it this way. The "Absolute Ideal" would be a solid circular plate of metal at the base of the vertical with a radius being a quarter wave at the lowest frequency at which the antenna is designed to work. Please notice I did not say anything about the physical height of the vertical radiator as the actual length and the electrical length can be very different (loading etc).

***** Any thing you do that is less than that is less than the "Absolute Ideal". *****

With that being said, we will now look at the "Practical Ideal". This will be anything that approaches the "Absolute Ideal" in both physical and electrical characteristics. The farther you get from the "Absolute Ideal" the less like the "Absolute Ideal" it will be. Many many many antennas have signal ground systems that are NO WHERE NEAR the "AI" and still work very well, but the fact remains the closer you are to the "AI" the better it will work.

At some point in putting down the radials, ground screen, Spider Web ground system or what ever you have chosen, you will reach a point of Diminishing Returns. That is the point at which you can no longer hear or see or measure the improvement to the electrical performance of the antenna.

I have read that with 1/4 wave radials (depending on your soil conditions) that point is about 30 something elements. Many (this includes me) think that 48 is the optimum number from a practical and electrical perspective.

Bottom line on ground mounted or shallow buried ground systems is:

Put in as many as possible as long as possible and don't worry if 2 more (either radials or square feet of screen) would have made a difference because if it did, you most likely couldn't tell the difference.

"my opinion and worth what you paid for it"
Clint - W5CPT

----- Original Message -----
From: Callum M0MCX
To: ham-antennas@yahoogroups.com
Sent: Sunday, April 27, 2008 3:17 PM
Subject: [ham-antennas] Grid -vs- radials

Following on from the chicken wire -vs- radials discussion, does anyone have an opinion if a grid system is any different (in practice) to a radial system since It will be easier for me to put a 2 foot grid down than a 120 radials system in place for a 40m vertical.

Ground area is about 45 feet by 30 feet.

Regards,

Callum McCormick

http://www.m0mcx.co.uk/

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From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of W8OKN
Sent: 27 April 2008 04:20
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Wire radials v chicken wire

ditto

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From: W5CPT
To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
Sent: Saturday, April 26, 2008 5:34 PM
Subject: Re: [ham-antennas] Wire radials v chicken wire

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----- Original Message -----
From: Donal
To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
Sent: Saturday, April 26, 2008 8:49 AM
Subject: [ham-antennas] Wire radials v chicken wire

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The other thing is I have about 100m of copper wire donated to me for antenna projects, problem is it is insulated... so I was wondering if I need to burn the insulation (plastic) off before using as radials if I choose the copper wire over the chicken wire.

Much thanks for reading.

73 and GL
Danny - MI3DBB

[Non-text portions of this message have been removed]

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2:31 PM

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

4741. 6 BTV Rooftop mount - Opinions?

Yahoo group: ham-antennas (2008)
Date: 2008-04-27 23:35:23 UTC
From: Ruben
Topic: 4741 Message: 4741

I am considering installing a 6BTV antenna on my rooftop, how many radials do I have to install? What should I expect as far as performance. Right now I have an Alpha Delta DX-CC on the roof but since the space is limited it's setup like a horizontal Vee at about 10 feet at the apex. The tips are about 30 feet apart. Needless to say I am causing lots of TVI in the building (3 story 6 family).
Also not getting good performance, although been very active on PSK but I feel that it could be better. Any opinions? I'm shooting for the beginning of May for the installation...
TNX in advance .. Ruben KA2HHB

4742. Re: [ham-antennas] 6 BTV Rooftop mount - Opinions?

Yahoo group: ham-antennas (2008)
Date: 2008-04-28 02:40:40 UTC
From: k9ttt@comcast.net
Topic: 4741 Message: 4742

Ruben:
The 6btv will be a great antenna for you. Just like all non-ground mounted verticals it will require radials, as usual the more the better. Hustler will tell you that you "really" don't need them. A 6btv MUST be guyed if mounted on the roof. (the 30 meter trap makes it very top heavy) I use a small nylon rope. (which should affect the performace, but has not that I know of) when it gets wet. Hustler will also tell you that the antenna is intended to be "free space" i.e. not grounded. They say the 80 meter resonator will handle the strike.....be your own judge on that matter...
Dale K9TTT

[Non-text portions of this message have been removed]

4743. Re: 6 BTV Rooftop mount - Opinions?

Yahoo group: ham-antennas (2008)
Date: 2008-04-28 03:17:57 UTC
From: David Lewis
Topic: 4741 Message: 4743

Hi,
The small diameter Kevlar cord,sold by Radio Works,works good
for guying my ground mounted 4btv and Hustler HF2V.Does'nt absorb
water and seems to last a long time.The nylon cord,will stretch a
good bit when wet and if there are nearby obstructions around,may
snag and cause the antenna to bend.
73,David n5sjs

>
> Ruben:
> The 6btv will be a great antenna for you. Just like all non-ground
mounted verticals it will require radials, as usual the more the
better. Hustler will tell you that you "really" don't need them. A
6btv MUST be guyed if mounted on the roof. (the 30 meter trap makes
it very top heavy) I use a small nylon rope. (which should affect the
performace, but has not that I know of) when it gets wet. Hustler
will also tell you that the antenna is intended to be "free space"
i.e. not grounded. They say the 80 meter resonator will handle the
strike.....be your own judge on that matter...
> Dale K9TTT
>
> [Non-text portions of this message have been removed]
>

4744. Cubical quad - height above real ground?

Yahoo group: ham-antennas (2008)
Date: 2008-04-28 16:48:23 UTC
From: vaclav_sal
Topic: 4744 Message: 4744

Vertical "take-off" angle of a dipole depends on the height above real ground.
Same applies to other antennas including cubical quad.
My question is - in quad - where is this height above ground measured from?
Is it from the lowest point of the antenna or from the center of the antenna?
For example - diamond shape quad has definitely lower point adjacent to ground than square shape. However, the center of both shapes is in same distance from the ground.

It probably does not matter that much anyway, but like to know the real scoop.

Second question ☐ very theoretical ☐ are there any programs / graphs illustrating propagation distances depending on the "take-off" angle?
I was thinking a single skip with fixed ionosphere reflection point height versus take-off angle.
Of course only in pure mathematical theory.
Thanks for reading,
73 Vaclav AA7EJ

4745. antennae mouning advice please

Yahoo group: ham-antennas (2008)
Date: 2008-04-28 17:20:01 UTC
From: Earl
Topic: 4745 Message: 4745

Hi All,

Early this summer, I plan to erect a mast on a side peak of my home and on that mast mount 2 antennae. I will use a Scantenna for my Uniden BCD996T scanner and I'll also mount a VHF stick w/ counterpoise for VHF/UHF (140/220/440). Since I'll frequently use both radios simultaneously, how can I mount the antennae in such a way as to not overload the scantenna when I tx on VHF/UHF?

As a secondary question, re lightning protection - can I simply sink a ground rod and run a ground wire up and termiante it on the mast?

Thanks in advance - sorry if these questions have been asked before.

73
earl
w2edv

4746. RE: [ham-antennas] antennae mouning advice please

Yahoo group: ham-antennas (2008)
Date: 2008-04-28 18:11:24 UTC
From: James Fogg
Topic: 4745 Message: 4746

For most mast-mount transmitting antennas, the least amount of energy is radiated underneath the antenna, below the ground plane. Place your Scantenna below your other antenna. It is unlikely you'll avoid at least desensing your Uniden receiver, but at least you shouldn't damage it. You may find that it gets so overloaded that it stops scanning and may actually demodulate your signal.

For lightning protection most modern antennas should be grounded as you describe, assuming everything is metal and there's no paint between the antenna mount and the mast. Lightning protection actually is more about draining static charges rather than directing a bolt of lighting into the ground. It may have to do that too, but it might only do it once ;-) An additional transmission line (coax) lightning arrestor is a very good idea. Your ground rod should be deep enough to always be in contact with wet soil, even during dry spells. In much of the country this means 10 feet down.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Earl
Sent: Monday, April 28, 2008 1:20 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] antennae mouning advice please

Hi All,

Early this summer, I plan to erect a mast on a side peak of my home and on that mast mount 2 antennae. I will use a Scantenna for my Uniden BCD996T scanner and I'll also mount a VHF stick w/ counterpoise for VHF/UHF (140/220/440). Since I'll frequently use both radios simultaneously, how can I mount the antennae in such a way as to not overload the scantenna when I tx on VHF/UHF?

As a secondary question, re lightning protection - can I simply sink a ground rod and run a ground wire up and termiante it on the mast?

Thanks in advance - sorry if these questions have been asked before.

73
earl
w2edv

[Non-text portions of this message have been removed]

4747. Re: [ham-antennas] antennae mouning advice please

Yahoo group: ham-antennas (2008)
Date: 2008-04-28 21:05:38 UTC
From: DRJVM@AOL.COM
Topic: 4745 Message: 4747

Earl- Why not just mount one antenna? Check out the Diamond D-130J discone antenna receives solid from 25 to 1300 MHz! It can also be used for transmit on 50, 144, 430, 900 and 1200 MHz ham bands (under 100 watts).

http://www.universal-radio.com/catalog/scanants/2405.html
(http://www.universal-radio.com/catalog/scanants/2405.html)

Joe
KC2NKK

**********Need a new ride? Check out the largest site for U.S. used car listings at AOL Autos.
(http://autos.aol.com/used?NCID=aolcmp00300000002851)

[Non-text portions of this message have been removed]

4748. how much separation?

Yahoo group: ham-antennas (2008)
Date: 2008-04-28 21:27:19 UTC
From: jim wolfe
Topic: 4748 Message: 4748

I have a 48 foot rohn free standing tower with a couple of beams (tri-bander, 2M) on it in my back yard, I want to add a all band vertical.
My questions are:
how far apart should they be?
how far to they really need to be?
thanks
jim
kb3qmy

4749. Re: [ham-antennas] antennae mouning advice please

Yahoo group: ham-antennas (2008)
Date: 2008-04-28 22:45:33 UTC
From: Phil Bader
Topic: 4745 Message: 4749

As far as grounding, it is recommended you ground the antenna mast to your house electrical service ground. Where the power from the pole enters the house at the meter there should be a good ground stake. That's where cable grounds,too. Keeps everything at same potential.
Phil B
Philip Bader
pbader@...
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakelandarc.org/
Currently: Polk County School Board Electronics
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006

----- Original Message -----
From: Earl
To: ham-antennas@yahoogroups.com
Sent: Monday, April 28, 2008 1:20 PM
Subject: [ham-antennas] antennae mouning advice please

Hi All,

Early this summer, I plan to erect a mast on a side peak of my home and on that mast mount 2 antennae. I will use a Scantenna for my Uniden BCD996T scanner and I'll also mount a VHF stick w/ counterpoise for VHF/UHF (140/220/440). Since I'll frequently use both radios simultaneously, how can I mount the antennae in such a way as to not overload the scantenna when I tx on VHF/UHF?

As a secondary question, re lightning protection - can I simply sink a ground rod and run a ground wire up and termiante it on the mast?

Thanks in advance - sorry if these questions have been asked before.

73
earl
w2edv

No virus found in this incoming message.
Checked by AVG.
Version: 7.5.524 / Virus Database: 269.23.6/1402 - Release Date: 4/28/2008 1:29 PM

[Non-text portions of this message have been removed]

4750. Re: [ham-antennas] 6 BTV Rooftop mount - Opinions?

Yahoo group: ham-antennas (2008)
Date: 2008-04-28 23:25:49 UTC
From: Phil Bader
Topic: 4741 Message: 4750

Will handle the strike? Hmmm Lightning? A bolt from a cloud can hit and splinter a pine tree. That resonator hasn't a chance. (from a Florida service tech)
Phil B
Philip Bader
pbader@...
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakelandarc.org/
Currently: Polk County School Board Electronics
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006

----- Original Message -----
From: k9ttt@...
To: ham-antennas@yahoogroups.com
Sent: Sunday, April 27, 2008 10:40 PM
Subject: Re: [ham-antennas] 6 BTV Rooftop mount - Opinions?

Ruben:
The 6btv will be a great antenna for you. Just like all non-ground mounted verticals it will require radials, as usual the more the better. Hustler will tell you that you "really" don't need them. A 6btv MUST be guyed if mounted on the roof. (the 30 meter trap makes it very top heavy) I use a small nylon rope. (which should affect the performace, but has not that I know of) when it gets wet. Hustler will also tell you that the antenna is intended to be "free space" i.e. not grounded. They say the 80 meter resonator will handle the strike.....be your own judge on that matter...
Dale K9TTT

[Non-text portions of this message have been removed]

No virus found in this incoming message.
Checked by AVG.
Version: 7.5.524 / Virus Database: 269.23.6/1402 - Release Date: 4/28/2008 1:29 PM

[Non-text portions of this message have been removed]

4751. Re: antennae mouning advice please

Yahoo group: ham-antennas (2008)
Date: 2008-04-29 00:25:47 UTC
From: Earl
Topic: 4745 Message: 4751

Thanks, Phil. That makes sense. I hadn't thought of that.

Now I just need to figure out the antenna setup.

73
earl
w2edv

--- In ham-antennas@yahoogroups.com, "Phil Bader" <PBADER@...> wrote:
>
> As far as grounding, it is recommended you ground the antenna mast
to your house electrical service ground. Where the power from the
pole enters the house at the meter there should be a good ground
stake. That's where cable grounds,too. Keeps everything at same
potential.
> Phil B
> Philip Bader
> pbader@...
> Amateur call: KI4NUC, Winter Haven, Fl.
> Member: Lakeland Amateur Radio Club
> http://www.lakelandarc.org/
> Currently: Polk County School Board Electronics
> Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006
>
>
> ----- Original Message -----
> From: Earl
> To: ham-antennas@yahoogroups.com
> Sent: Monday, April 28, 2008 1:20 PM
> Subject: [ham-antennas] antennae mouning advice please
>
>
> Hi All,
>
> Early this summer, I plan to erect a mast on a side peak of my
home and
> on that mast mount 2 antennae. I will use a Scantenna for my
Uniden
> BCD996T scanner and I'll also mount a VHF stick w/ counterpoise
for
> VHF/UHF (140/220/440). Since I'll frequently use both radios
> simultaneously, how can I mount the antennae in such a way as to
not
> overload the scantenna when I tx on VHF/UHF?
>
> As a secondary question, re lightning protection - can I simply

sink a
> ground rod and run a ground wire up and termiante it on the mast?
>
> Thanks in advance - sorry if these questions have been asked
before.
>
> 73
> earl
> w2edv
>
>
>
>
>
>
> ----------

>
>
> No virus found in this incoming message.
> Checked by AVG.
> Version: 7.5.524 / Virus Database: 269.23.6/1402 - Release Date:
4/28/2008 1:29 PM
>
>
> [Non-text portions of this message have been removed]
>

4752. ** Thanks **

Yahoo group: ham-antennas (2008)
Date: 2008-04-29 08:42:57 UTC
From: Donal
Topic: 4752 Message: 4752

Thanks a lot to everyone who answered my recent questions on choosing the best 6BTV radials system and installation method, I really appreciate all the help and have tried to take a little bit of everything onboard.

73 & GL
Danny - Mi3DBB

4753. Re: Grid -vs- radials

Yahoo group: ham-antennas (2008)
Date: 2008-04-30 16:04:01 UTC
From: Paul
Topic: 4725 Message: 4753

If you can find it...

There was an article in the May 1999 issue of "Electronic Design" complete with a picture of the world's largest ground plane...

It measures 50 X 80 Meters... and is a solid copper plate ! ! !

See :
http://findarticles.com/p/articles/mi_hb3021/is_199905/ai_n15197519

Paul - K9ERG

--- In ham-antennas@yahoogroups.com, "W5CPT" <w5cpt@...> wrote:
>
> Think of it this way. The "Absolute Ideal" would be a solid circular plate of metal at the base of the vertical with a radius being a quarter wave at the lowest frequency at which the antenna is designed to work. Please notice I did not say anything about the physical height of the vertical radiator as the actual length and the electrical length can be very different (loading etc).
>
> ***** Any thing you do that is less than that is less than the "Absolute Ideal". *****
>
> With that being said, we will now look at the "Practical Ideal". This will be anything that approaches the "Absolute Ideal" in both physical and electrical characteristics. The farther you get from the "Absolute Ideal" the less like the "Absolute Ideal" it will be. Many many many antennas have signal ground systems that are NO WHERE NEAR the "AI" and still work very well, but the fact remains the closer you are to the "AI" the better it will work.
>
> At some point in putting down the radials, ground screen, Spider Web ground system or what ever you have chosen, you will reach a point of Diminishing Returns. That is the point at which you can no longer hear or see or measure the improvement to the electrical performance of the antenna.
>
> I have read that with 1/4 wave radials (depending on your soil conditions) that point is about 30 something elements. Many (this includes me) think that 48 is the optimum number from a practical and electrical perspective.
>
> Bottom line on ground mounted or shallow buried ground systems is:
>
> Put in as many as possible as long as possible and don't worry if 2

more (either radials or square feet of screen) would have made a
difference because if it did, you most likely couldn't tell the
difference.
>
> "my opinion and worth what you paid for it"
> Clint - W5CPT
>
>
> ----- Original Message -----
> From: Callum M0MCX
> To: ham-antennas@yahoogroups.com
> Sent: Sunday, April 27, 2008 3:17 PM
> Subject: [ham-antennas] Grid -vs- radials
>
>
> Following on from the chicken wire -vs- radials discussion, does
anyone have
> an opinion if a grid system is any different (in practice) to a
radial
> system since It will be easier for me to put a 2 foot grid down
than a 120
> radials system in place for a 40m vertical.
>
> Ground area is about 45 feet by 30 feet.
>
> Regards,
>
> Callum McCormick
>
> http://www.m0mcx.co.uk/
>
> While others were busy thinking outside the box, I cut it up
because I
> needed some cardboard for a project I was making.
>
> From: ham-antennas@yahoogroups.com [mailto:ham-
antennas@yahoogroups.com] On
> Behalf Of W8OKN
> Sent: 27 April 2008 04:20
> To: ham-antennas@yahoogroups.com
> Subject: Re: [ham-antennas] Wire radials v chicken wire
>
> ditto
>
> ----- Original Message -----
> From: W5CPT
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%
40yahoogroups.com>
> Sent: Saturday, April 26, 2008 5:34 PM
> Subject: Re: [ham-antennas] Wire radials v chicken wire

>
> Forget the chicken wire. In a year or two at the most it will be
all gone.
> And don't worry about the insulation on the wire. It does not
make any
> difference. Put down as many and as much as you can and in any
direction
> possible. A perfect spoked wheel would be ideal, but you will not
be able to
> tell any difference if yours is not perfect. With buried (or on-
ground)
> radials the rule is "More is Better".
>
> Clint - W5CPT
>
> ----- Original Message -----
> From: Donal
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%
40yahoogroups.com>
> Sent: Saturday, April 26, 2008 8:49 AM
> Subject: [ham-antennas] Wire radials v chicken wire
>
> Hi,
> I was wondering which would be best as a radial system for my
6BTV,
> some copper wire or chicken wire?
>
> I was also planning on peeling the grass and about 2 inches of
soil
> back to bury either or both... would this be okay or should it be
> tacked down on top of the grass?
>
> The other thing is I have about 100m of copper wire donated to me
for
> antenna projects, problem is it is insulated... so I was
wondering if I
> need to burn the insulation (plastic) off before using as radials
if I
> choose the copper wire over the chicken wire.
>
> Much thanks for reading.
>
> 73 and GL
> Danny - MI3DBB
>
> [Non-text portions of this message have been removed]
>
> ---
>
> No virus found in this incoming message.

> Checked by AVG.
> Version: 7.5.524 / Virus Database: 269.23.5/1398 - Release Date: 4/25/2008
> 2:31 PM
>
> [Non-text portions of this message have been removed]
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> [Non-text portions of this message have been removed]
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>
>
>
> [Non-text portions of this message have been removed]
>

4754. M3KXZ 2 Element Vertical Phased Array

Yahoo group: ham-antennas (2008)
Date: 2008-05-02 01:12:25 UTC
From: Bruce Conner
Topic: 4754 Message: 4754

I was wondering if anyone had any observations about this antenna.
(see http://www.outsideshack.com/no_counterpoise_phased_array.pdf)

The late L.B Cebik did a review of it and seemed to think it had some real promise, but he indicated that feeding the antenna might be done better. I have the rather sad distinction of having emailed him about this on or about the very day he left this earth. I was really looking forward to hearing his views and getting to know him. I'd been too intimidated to approach him before! Lesson learned; don't wait to ask the guru, they may not be around later. If anybody else wants to be an Antenna Elmer, let me know.

In any event, I'm interested in this antenna for 10-20 meter work, and would rather feed it with 450 window line than coax, since I don't have a remote tuner. The window line would come back into the shack to my Harvey Wells balanced tuner that I normally use for my ladder-line fed horizontal 80 meter delta loop.

One main objective is to keep RF out of the shack, so I'm wondering if a 1:1 transformer at the center feed where the phase crossover happens would be good for a window line feed, replacing the suggested 4:1 balun that was used to match the coax. Cebik didn't seem to think even the 4:1 balun at the feedpoint was quite the right thing in his review at:
http://www.cebik.com/content/a10/wire/m3kxz.html
(you'll have to sign in now, but it's still free - well worth it)

I have the makings for this antenna on hand, aside from the remote tuner, so any suggestions will be welcome. Would using "real" twinlead rather than speaker cord be an improvement? Will it perform "as advertised?" What about a 3 element version to get a front/back ratio going? All sorts of questions pop up if this turns out to be a decent design.

I'm anxious to try it and see what a directional antenna with a lower takeoff angle can do for me. I'm constrained in that it has to be able to be dismantled and stored between uses. I see this as a "weekend contest" or even Field Day type antenna, not a daily driver, due to neighborhood aesthetic concerns. (my loop is in the back, but this would be more visible)

73,
Bruce
WB8OGK

4755. Re: [ham-antennas] M3KXZ 2 Element Vertical Phased Array

Yahoo group: ham-antennas (2008)
Date: 2008-05-02 04:16:47 UTC
From: vaclav sal
Topic: 4754 Message: 4755

Bruce,
I did take a quick look at the article.
Sounds interesting, however, I would not call it Zepp.
I thing "folded Windom" may be better, but it really does not matter what you call it.
I will take a peek at the modeling and let you know later.
Personally I think the balluns are OK but it may work better without them.
I have recently experimented with 20 meters double extended Zepp - inverted V style and jury is still out pending better propagation on 20 meters Hi Hi.
I did use 9:1 ballun at the feed point and cheap RG 58 to shack.
I could match it on 20, 40, and 80 but made contact only on 20.

Vaclav

Be a better friend, newshound, and know-it-all with Yahoo! Mobile. Try it now.

[Non-text portions of this message have been removed]

4756. Importance of beam element straightness

Yahoo group: ham-antennas (2008)
Date: 2008-05-02 15:04:38 UTC
From: Kenny Wyss
Topic: 4756 Message: 4756

I just about have my tower project complete and will hopefully be raising antennas up over the weekend. I have made some repairs to my HF beam and cleaned the whole thing up with some steel wool. It is a Hy-Gain TH3-MK3 10/15/20 meter beam. I have noticed that, due to the antenna's age, the elements do tend to sag slightly and don't have a perfect horizontal plane. Does anyone have any idea how much this may effect the performance of the antenna? I would say that if you measured it, the very end of each element sags about 8 inches lower than where the other end attaches to the boom.

Thanks and 73,

Kenny
KB0NPW

4757. Re: [ham-antennas] Importance of beam element straightness

Yahoo group: ham-antennas (2008)
Date: 2008-05-02 15:14:48 UTC
From: Dan Schaaf
Topic: 4756 Message: 4757

My A3S elements sag and it has not affected performance. I have 294 countries using it.

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com "In the Beginning, there was Spark Gap"

----- Original Message -----
From: Kenny Wyss
To: ham-antennas@yahoogroups.com
Sent: Friday, May 02, 2008 11:04 AM
Subject: [ham-antennas] Importance of beam element straightness

I just about have my tower project complete and will hopefully be raising antennas up over the weekend. I have made some repairs to my HF beam and cleaned the whole thing up with some steel wool. It is a Hy-Gain TH3-MK3 10/15/20 meter beam. I have noticed that, due to the antenna's age, the elements do tend to sag slightly and don't have a perfect horizontal plane. Does anyone have any idea how much this may effect the performance of the antenna? I would say that if you measured it, the very end of each element sags about 8 inches lower than where the other end attaches to the boom.

Thanks and 73,

Kenny
KB0NPW

[Non-text portions of this message have been removed]

4758. Re: antennae mouning advice please

Yahoo group: ham-antennas (2008)
Date: 2008-05-02 23:51:13 UTC
From: Earl
Topic: 4745 Message: 4758

Hi Joe,

I just saw your reply - sorry about that. My thought process was such that because I read rave reviews on the scantenna (how it blew away everything else), and because I live in a low-lying area, that I should go in the direction I had described. But I am open to alternative ideas. I will check out the Diamond.
Thanks very much for your suggestion!

73
earl
w2edv

--- In ham-antennas@yahoogroups.com, DRJVM@... wrote:
>
> Earl- Why not just mount one antenna? Check out the Diamond D-130J discone
> antenna receives solid from 25 to 1300 MHz! It can also be used for transmit on
> 50, 144, 430, 900 and 1200 MHz ham bands (under 100 watts).
>
> _http://www.universal-radio.com/catalog/scanants/2405.html_
> (http://www.universal-radio.com/catalog/scanants/2405.html)
>
> Joe
> KC2NKK
>
>
>
> **********Need a new ride? Check out the largest site for U.S. used car
> listings at AOL Autos.
> (http://autos.aol.com/used?NCID=aolcmp00300000002851)
>
>
> [Non-text portions of this message have been removed]
>

4759. Tower Climber in Virginia

Yahoo group: ham-antennas (2008)
Date: 2008-05-03 01:55:13 UTC
From: Ben McManus
Topic: 4759 Message: 4759

Group,

I'm new to the group and wanted to offer my services. I have 10 years of experience working on towers and am equipped to handle any job. I am located in Virginia and willing to travel to
Maryland and North Carolina as well.

Thanks Group,

Ben McManus
(804)450-1128
ben.mcmanus@...

4760. Best Gain Vertical for 2meters

Yahoo group: ham-antennas (2008)
Date: 2008-05-03 09:00:23 UTC
From: Chris Moore
Topic: 4760 Message: 4760

Right ppl. I am in the market for a new antenna. I have since found out that No beam works in my location due to all the hills and I mean they dont work at all. The vertical works best as it picks up all the bounced signals being that its a Omni.

I have been looking at the Diamond X510 and LamCommunications LAMCO CGF 6000 'High Gain' VHF/UHF http://www.lamcommunications.net/sess/utn;jsessionid=15481c28e7eafe3/shopdata/index.shopscript has anybody got any other ideas. I dont want to go silly on price as it may be blow down in 8 months with the high winds so its got to be a price I can afford if broken once a year.....hi hi...

Right fight amongst your selfs what you think and where to buy be nice...

M3XLG

4761. Re: [ham-antennas] Best Gain Vertical for 2meters

Yahoo group: ham-antennas (2008)
Date: 2008-05-03 12:48:05 UTC
From: Chris
Topic: 4760 Message: 4761

I have an X510 now, it works very well for me. However, you said you had large hills very close in and the 510 by design has a very narrow and low takeoff angle. It's made to reach to the horizons. This could be an issue for you as well, just so you know.

Most high gain collinears have a similar pattern due to their properties. They get the gain by narrowing the pattern and 'focusing' the signal if you will. If this narrow band hits the hills, you aren't gaining anything.

As far as heavy duty, NJ winds aren't very high so it's fine here, barely moves in big storms using hurricane fence top-rail sections as masting. If you want a heavier version, one that is substantially heavier fiberglass, get the X500HNA variant. It's quite a bit more heavy duty construction.

There are people who, due to terrain limitations get better performance from an X50 with its broader angle of takeoff, than they did with an X510 high gain design.

I'm sort of curious...what types of beams did you try? How many elements, boom length etc?

On Sat, May 3, 2008 at 5:00 AM, Chris Moore <danielmoore2005@...> wrote:
> Right ppl. I am in the market for a new antenna. I have since found out
> that No beam works in my location due to all the hills and I mean they
> dont work at all. The vertical works best as it picks up all the
> bounced signals being that its a Omni.
>
> I have been looking at the Diamond X510 and LamCommunications LAMCO CGF
> 6000 'High Gain' VHF/UHF
> http://www.lamcommunications.net/sess/utn;jsessionid=15481c28e7eafe3/sho
> pdata/index.shopscript has anybody got any other ideas. I dont want to
> go silly on price as it may be blow down in 8 months with the high
> winds so its got to be a price I can afford if broken once a
> year.....hi hi...
>
> Right fight amongst your selfs what you think and where to buy be
> nice...
>
> M3XLG
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 974

members (as of 11/07/07, and attachments are NOT permitted.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
>

4762. Re: [ham-antennas] Best Gain Vertical for 2meters

Yahoo group: ham-antennas (2008)
Date: 2008-05-03 13:14:59 UTC
From: Harold Burton
Topic: 4760 Message: 4762

An NVIS dipole might help get you out of your valley. They only work well, though, for 160, 80, and 40 meters. About 20 or 25 feet high would do it.

Harold
KD5SAK

----- Original Message -----
From: "Chris" <kingsqueak@...>work
To: <ham-antennas@yahoogroups.com>
Sent: Saturday, May 03, 2008 7:48 AM
Subject: Re: [ham-antennas] Best Gain Vertical for 2meters

>I have an X510 now, it works very well for me. However, you said you
> had large hills very close in and the 510 by design has a very narrow
> and low takeoff angle. It's made to reach to the horizons. This
> could be an issue for you as well, just so you know.
>
> Most high gain collinears have a similar pattern due to their
> properties. They get the gain by narrowing the pattern and 'focusing'
> the signal if you will. If this narrow band hits the hills, you
> aren't gaining anything.
>
> As far as heavy duty, NJ winds aren't very high so it's fine here,
> barely moves in big storms using hurricane fence top-rail sections as
> masting. If you want a heavier version, one that is substantially
> heavier fiberglass, get the X500HNA variant. It's quite a bit more
> heavy duty construction.
>
> There are people who, due to terrain limitations get better
> performance from an X50 with its broader angle of takeoff, than they
> did with an X510 high gain design.
>
> I'm sort of curious...what types of beams did you try? How many
> elements, boom length etc?
>

4763. Re: [ham-antennas] Best Gain Vertical for 2meters

Yahoo group: ham-antennas (2008)
Date: 2008-05-03 13:17:51 UTC
From: Harold Burton
Topic: 4760 Message: 4763

Sorry, I had hit the send on my NVIS note before I noticed the 2 meter reference in the subject line. Never mind.(G)

Harold
KD5SAK

----- Original Message -----
From: "Harold Burton" <kd5sak@...>
To: <ham-antennas@yahoogroups.com>
Sent: Saturday, May 03, 2008 8:14 AM
Subject: Re: [ham-antennas] Best Gain Vertical for 2meters

> An NVIS dipole might help get you out of your valley. They only work well,
> though, for 160, 80, and 40 meters. About 20 or 25 feet high would do it.
>
> Harold
> KD5SAK
>
>
> ----- Original Message -----
> From: "Chris" <kingsqueak@...>work
> To: <ham-antennas@yahoogroups.com>
> Sent: Saturday, May 03, 2008 7:48 AM
> Subject: Re: [ham-antennas] Best Gain Vertical for 2meters
>
>
>>I have an X510 now, it works very well for me. However, you said you
>> had large hills very close in and the 510 by design has a very narrow
>> and low takeoff angle. It's made to reach to the horizons. This
>> could be an issue for you as well, just so you know.
>>
>> Most high gain collinears have a similar pattern due to their
>> properties. They get the gain by narrowing the pattern and 'focusing'
>> the signal if you will. If this narrow band hits the hills, you
>> aren't gaining anything.
>>
>> As far as heavy duty, NJ winds aren't very high so it's fine here,
>> barely moves in big storms using hurricane fence top-rail sections as
>> masting. If you want a heavier version, one that is substantially
>> heavier fiberglass, get the X500HNA variant. It's quite a bit more
>> heavy duty construction.
>>
>> There are people who, due to terrain limitations get better
>> performance from an X50 with its broader angle of takeoff, than they
>> did with an X510 high gain design.
>>

>> I'm sort of curious...what types of beams did you try? How many
>> elements, boom length etc?
>>
>

4764. Re: [ham-antennas] Best Gain Vertical for 2meters

Yahoo group: ham-antennas (2008)
Date: 2008-05-03 13:55:48 UTC
From: W8OKN
Topic: 4760 Message: 4764

This is an excellent discussion and appreciated.

I have had my Ringo Ranger II for almost 26 years. I purchased it in college. It has seen better days and may need to be replaced soon.

Thanks for starting this thread.

W8OKN

On Sat, May 3, 2008 at 8:48 AM, Chris <kingsqueak@...> wrote:

> I have an X510 now, it works very well for me. However, you said you
> had large hills very close in and the 510 by design has a very narrow
> and low takeoff angle. It's made to reach to the horizons. This
> could be an issue for you as well, just so you know.
>
> Most high gain collinears have a similar pattern due to their
> properties. They get the gain by narrowing the pattern and 'focusing'
> the signal if you will. If this narrow band hits the hills, you
> aren't gaining anything.
>
> As far as heavy duty, NJ winds aren't very high so it's fine here,
> barely moves in big storms using hurricane fence top-rail sections as
> masting. If you want a heavier version, one that is substantially
> heavier fiberglass, get the X500HNA variant. It's quite a bit more
> heavy duty construction.
>
> There are people who, due to terrain limitations get better
> performance from an X50 with its broader angle of takeoff, than they
> did with an X510 high gain design.
>
> I'm sort of curious...what types of beams did you try? How many
> elements, boom length etc?
>
> On Sat, May 3, 2008 at 5:00 AM, Chris Moore
<danielmoore2005@...<danielmoore2005%40aol.com>>
> wrote:
> > Right ppl. I am in the market for a new antenna. I have since found out
> > that No beam works in my location due to all the hills and I mean they
> > dont work at all. The vertical works best as it picks up all the
> > bounced signals being that its a Omni.
> >
> > I have been looking at the Diamond X510 and LamCommunications LAMCO CGF
> > 6000 'High Gain' VHF/UHF
> > http://www.lamcommunications.net/sess/utn;jsessionid=15481c28e7eafe3/sho
> > pdata/index.shopscript has anybody got any other ideas. I dont want to

> > go silly on price as it may be blow down in 8 months with the high
> > winds so its got to be a price I can afford if broken once a
> > year.....hi hi...
> >
> > Right fight amongst your selfs what you think and where to buy be
> > nice...
> >
> > M3XLG
> >
> >
> > ----------
> >
> > HAM ANTENNAS Anything and everything, tell us or ask questions. Replies
> go to ALL 974 members (as of 11/07/07, and attachments are NOT permitted.
> > Post message: ham-antennas@yahoogroups.com<ham-antennas%40yahoogroups.com>
> > Subscribe:
ham-antennas-subscribe@yahoogroups.com<ham-antennas-subscribe%40yahoogroups.com>
> > Unsubscribe:
ham-antennas-unsubscribe@yahoogroups.com<ham-antennas-unsubscribe%40yahoogroups.com>
> > List owner: ham-antennas-owner@yahoogroups.com<ham-antennas-owner%40yahoogroups.com>
> > Yahoo! Groups Links
> >
> >
> >
> >
>
>

--
Sean
W8OKN

[Non-text portions of this message have been removed]

4765. Re: [ham-antennas] Best Gain Vertical for 2meters

Yahoo group: ham-antennas (2008)
Date: 2008-05-03 13:56:50 UTC
From: NS5B@comcast.net
Topic: 4760 Message: 4765

I use the X50 myself, and due to the proximity of the repeaters around me, thats all I need, and its mounted on a "side mount" on my tower, so the height was an issue as well. Tower is only 40ft and the X50 is 5.5 feet tall. (pretty good gain for a short antenna) And mounted at 30ft gives me plenty of room below where my beam will mount. Since my tower is freestanding, I didn't want any extra load on top. We have severe storms through here all the time and high winds at times too. It works real well for me...get about 4.5db gain in 2 meters, 7db on 70cm, and with my 5 watt HT, I can hit just about any repeater in my area. If I had the room, I would have purchased the X510 myself. Its a great antenna, and has almost double the gain as the X50.

If I ever get a 100ft+ guyed tower, I will put up my 15el Cushcraft "Boomer". But for now, a vertical fits my needs.

In your case, I agree, I would go with a little bit wider takeoff...may have to forfeit a little bit of gain, but it should work out well. I've never used a LAMCO antenna, so I can't comment on that one, but it looks impressive at 5.6m tall and 9db gain. The winds and storms here would snap that thing right off though.

Steve, NS5B

---------- Original message ----------
From: Chris <kingsqueak@...>

>
> There are people who, due to terrain limitations get better
> performance from an X50 with its broader angle of takeoff, than they
> did with an X510 high gain design.
>

[Non-text portions of this message have been removed]

4766. RE: [ham-antennas] Best Gain Vertical for 2meters

Yahoo group: ham-antennas (2008)
Date: 2008-05-03 15:53:57 UTC
From: James Fogg
Topic: 4760 Message: 4766

I would make a ¼ wave with a few pieces of 12ga wire and an SO239 connector. It'll cost you about $2.00 and will have a "doughnut" pattern that will do what you need. Gain antennas almost always have complicated radiation patterns and nulls. You can always add power to make up for gain. Also remember that at 145Mhz the loss in your coax isn't small. Use good coax.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Chris Moore
Sent: Saturday, May 03, 2008 5:00 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Best Gain Vertical for 2meters

Right ppl. I am in the market for a new antenna. I have since found out that No beam works in my location due to all the hills and I mean they dont work at all. The vertical works best as it picks up all the bounced signals being that its a Omni.

I have been looking at the Diamond X510 and LamCommunications LAMCO CGF 6000 'High Gain' VHF/UHF http://www.lamcommunications.net/sess/utn;jsessionid=15481c28e7eafe3/sho <http://www.lamcommunications.net/sess/utn;jsessionid=15481c28e7eafe3/sho> pdata/index.shopscript has anybody got any other ideas. I dont want to go silly on price as it may be blow down in 8 months with the high winds so its got to be a price I can afford if broken once a year.....hi hi...

Right fight amongst your selfs what you think and where to buy be nice...

M3XLG

[Non-text portions of this message have been removed]

4767. RE: [ham-antennas] Best Gain Vertical for 2meters

Yahoo group: ham-antennas (2008)
Date: 2008-05-03 16:04:35 UTC
From: Callum M0MCX
Topic: 4760 Message: 4767

James, I love your practicality (!) but in my experience, modern gain verticals are clean as regards the far-fields plots they produce. I currently have the Diamond V2000 (2 x 5/8th on 2m) which is a superb performer and only about 9 feet long □ it□s basically the X510□s little brother.

(Not sure if you can get the Diamond brand in the US..?)

Cheers,

Callum McCormick

http://www.m0mcx.co.uk/

While others were busy thinking outside the box, I cut it up because I needed some cardboard for a project I was making.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of James Fogg
Sent: 03 May 2008 16:54
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Best Gain Vertical for 2meters

I would make a ¼ wave with a few pieces of 12ga wire and an SO239 connector. It'll cost you about $2.00 and will have a "doughnut" pattern that will do what you need. Gain antennas almost always have complicated radiation patterns and nulls. You can always add power to make up for gain. Also remember that at 145Mhz the loss in your coax isn't small. Use good coax.

From: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com> [mailto:ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>] On Behalf Of Chris Moore
Sent: Saturday, May 03, 2008 5:00 AM
To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
Subject: [ham-antennas] Best Gain Vertical for 2meters

Right ppl. I am in the market for a new antenna. I have since found out that No beam works in my location due to all the hills and I mean they dont work at all. The vertical works best as it picks up all the bounced signals being that its a Omni.

I have been looking at the Diamond X510 and LamCommunications LAMCO CGF 6000 'High Gain' VHF/UHF
http://www.lamcommunications.net/sess/utn;jsessionid=15481c28e7eafe3/sho
<http://www.lamcommunications.net/sess/utn;jsessionid=15481c28e7eafe3/sho>

pdata/index.shopscript has anybody got any other ideas. I dont want to go silly on price as it may be blow down in 8 months with the high winds so its got to be a price I can afford if broken once a year.....hi hi...

Right fight amongst your selfs what you think and where to buy be nice...

M3XLG

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

4768. RE: [ham-antennas] Re: Grid -vs- radials

Yahoo group: ham-antennas (2008)
Date: 2008-05-03 16:05:38 UTC
From: Callum M0MCX
Topic: 4725 Message: 4768

Woah!

Callum McCormick

http://www.m0mcx.co.uk/

While others were busy thinking outside the box, I cut it up because I needed some cardboard for a project I was making.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Paul
Sent: 30 April 2008 17:04
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: Grid -vs- radials

If you can find it...

There was an article in the May 1999 issue of "Electronic Design" complete with a picture of the world's largest ground plane...

It measures 50 X 80 Meters... and is a solid copper plate ! ! !

See :
http://findarticles.com/p/articles/mi_hb3021/is_199905/ai_n15197519

Paul - K9ERG

--- In ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
, "W5CPT" <w5cpt@...> wrote:
>
> Think of it this way. The "Absolute Ideal" would be a solid circular plate of metal at the base of the vertical with a radius being a quarter wave at the lowest frequency at which the antenna is designed to work. Please notice I did not say anything about the physical height of the vertical radiator as the actual length and the electrical length can be very different (loading etc).
>
> ***** Any thing you do that is less than that is less than the "Absolute Ideal". *****
>
> With that being said, we will now look at the "Practical Ideal". This will be anything that approaches the "Absolute Ideal" in both physical and electrical characteristics. The farther you get from the "Absolute Ideal" the less like the "Absolute Ideal" it will be. Many many many antennas have signal ground systems that are NO WHERE NEAR the "AI" and still work very well, but the fact remains the closer you are to the "AI" the better it will work.

>
> At some point in putting down the radials, ground screen, Spider
Web ground system or what ever you have chosen, you will reach a
point of Diminishing Returns. That is the point at which you can no
longer hear or see or measure the improvement to the electrical
performance of the antenna.
>
> I have read that with 1/4 wave radials (depending on your soil
conditions) that point is about 30 something elements. Many (this
includes me) think that 48 is the optimum number from a practical
and electrical perspective.
>
> Bottom line on ground mounted or shallow buried ground systems is:
>
> Put in as many as possible as long as possible and don't worry if 2
more (either radials or square feet of screen) would have made a
difference because if it did, you most likely couldn't tell the
difference.
>
> "my opinion and worth what you paid for it"
> Clint - W5CPT
>
>
> ----- Original Message -----
> From: Callum M0MCX
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Sent: Sunday, April 27, 2008 3:17 PM
> Subject: [ham-antennas] Grid -vs- radials
>
>
> Following on from the chicken wire -vs- radials discussion, does
anyone have
> an opinion if a grid system is any different (in practice) to a
radial
> system since It will be easier for me to put a 2 foot grid down
than a 120
> radials system in place for a 40m vertical.
>
> Ground area is about 45 feet by 30 feet.
>
> Regards,
>
> Callum McCormick
>
> http://www.m0mcx.co.uk/
>
> While others were busy thinking outside the box, I cut it up
because I
> needed some cardboard for a project I was making.
>

> From: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
[mailto:ham-
antennas@yahoogroups.com <mailto:antennas%40yahoogroups.com>] On
> Behalf Of W8OKN
> Sent: 27 April 2008 04:20
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Subject: Re: [ham-antennas] Wire radials v chicken wire
>
> ditto
>
> ----- Original Message -----
> From: W5CPT
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
<mailto:ham-antennas%
40yahoogroups.com>
> Sent: Saturday, April 26, 2008 5:34 PM
> Subject: Re: [ham-antennas] Wire radials v chicken wire
>
> Forget the chicken wire. In a year or two at the most it will be
all gone.
> And don't worry about the insulation on the wire. It does not
make any
> difference. Put down as many and as much as you can and in any
direction
> possible. A perfect spoked wheel would be ideal, but you will not
be able to
> tell any difference if yours is not perfect. With buried (or on-
ground)
> radials the rule is "More is Better".
>
> Clint - W5CPT
>
> ----- Original Message -----
> From: Donal
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
<mailto:ham-antennas%
40yahoogroups.com>
> Sent: Saturday, April 26, 2008 8:49 AM
> Subject: [ham-antennas] Wire radials v chicken wire
>
> Hi,
> I was wondering which would be best as a radial system for my
6BTV,
> some copper wire or chicken wire?
>
> I was also planning on peeling the grass and about 2 inches of
soil
> back to bury either or both... would this be okay or should it be
> tacked down on top of the grass?
>

> The other thing is I have about 100m of copper wire donated to me
for
> antenna projects, problem is it is insulated... so I was
wondering if I
> need to burn the insulation (plastic) off before using as radials
if I
> choose the copper wire over the chicken wire.
>
> Much thanks for reading.
>
> 73 and GL
> Danny - MI3DBB
>
> [Non-text portions of this message have been removed]
>
> ---
>
> No virus found in this incoming message.
> Checked by AVG.
> Version: 7.5.524 / Virus Database: 269.23.5/1398 - Release Date:
4/25/2008
> 2:31 PM
>
> [Non-text portions of this message have been removed]
>
> [Non-text portions of this message have been removed]
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

[Non-text portions of this message have been removed]

4769. Re: [ham-antennas] Re: antennae mouning advice please

Yahoo group: ham-antennas (2008)
Date: 2008-05-03 17:41:51 UTC
From: Wayne
Topic: 4745 Message: 4769

The Discone antenna is a utility antenna, no gain at all. In fact, performance is what i would call fair on 2 meter and up, but poor on 6 meters, and receive would be poor on frequencies below 50 MHz.
Quoting the hype on the discone "The discone design offers the best performance possible in an omni-directional antenna.", they should have mentioned that for a works on all bands above 2 meters, it is a fair antenna. Not great, just fair.
I have the version that Radio Shack sold, and it was fair on the 1 1/4 meter band, and did work on 2 meters and 70 centimeters.
On 6 meters, it was poor, and I redid it using a 6 meter hamstick in place of the whip and loading coil they provided.
I took it down when I built a J Pole for the 1 1/4 meter band. May put it up for scanner use, as well as for a utility antenna where a zilch gain antenna is okay.
Most antennas that cover more than one band tend to be a compromise, or be very large. Plus usually require a tuner, or are very narrowbanded on the frequencies they do work on.
YMMV

Wayne WA2YNE
Imperial, tejas

On Fri, 02 May 2008 18:51:13 -0500, Earl <w2edv@...> wrote:

>
> Hi Joe,
>
> I just saw your reply - sorry about that. My thought process was such
> that because I read rave reviews on the scantenna (how it blew away
> everything else), and because I live in a low-lying area, that I
> should go in the direction I had described. But I am open to
> alternative ideas. I will check out the Diamond.
> Thanks very much for your suggestion!
>
> 73
> earl
> w2edv
>
> --- In ham-antennas@yahoogroups.com, DRJVM@... wrote:
>>
>> Earl- Why not just mount one antenna? Check out the Diamond D-130J
> discone
>> antenna receives solid from 25 to 1300 MHz! It can also be used for
> transmit on
>> 50, 144, 430, 900 and 1200 MHz ham bands (under 100 watts).
>>

>> _http://www.universal-radio.com/catalog/scanants/2405.html_
>> (http://www.universal-radio.com/catalog/scanants/2405.html)
>>
>> Joe
>> KC2NKK

--
Using Opera's revolutionary e-mail client: http://www.opera.com/mail/

4770. Cushcraft X4 Tuning

Yahoo group: ham-antennas (2008)
Date: 2008-05-03 18:15:18 UTC
From: ka9nfe
Topic: 4770 Message: 4770

I currently have a Cushcraft A4 with the 40M option. It also has 10M, 15M, and 20M. It is currently tuned for the middle of the phone bands on each of the frequencies. Does anyone know if the antenna can be tuned for 17M without effecting the 40M band? I am not concerned about the other bands, only the 40M.

4771. Re: M3KXZ 2 Element Vertical Phased Array

Yahoo group: ham-antennas (2008)
Date: 2008-05-03 18:26:20 UTC
From: Bruce Conner
Topic: 4754 Message: 4771

--- In ham-antennas@yahoogroups.com, vaclav sal <vaclav_sal@...> wrote:
>
> Bruce,
> I did take a quick look at the article.
> Sounds interesting, however, I would not call it Zepp.
> I thing "folded Windom" may be better, but it really does not
matter what you call it.
> I will take a peek at the modeling and let you know later.
> Personally I think the balluns are OK but it may work better
without them.
> I have recently experimented with 20 meters double extended Zepp -
inverted V style and jury is still out pending better propagation on
20 meters Hi Hi.
> I did use 9:1 ballun at the feed point and cheap RG 58 to shack.
> I could match it on 20, 40, and 80 but made contact only on 20.
>
> Vaclav

Vaclav,

Thanks, I'll be looking forward to your comments. The antenna is a
strange mix of styles, but according to Cebik's analysis it has some
unique qualities, especially being broadband, which is very useful for me.

I know what you mean about 20 meters these days! More sunspots soon,
and then we will all complain about how crowded the bands are.

Bruce
WB8OGK

4772. Re: [ham-antennas] Re: antennae mouning advice please

Yahoo group: ham-antennas (2008)
Date: 2008-05-03 18:50:34 UTC
From: W8OKN
Topic: 4745 Message: 4772

I agree with your experience here. They are a compromise antenna.

W8OKN

On Sat, May 3, 2008 at 1:41 PM, Wayne <wa2yne@...> wrote:

> The Discone antenna is a utility antenna, no gain at all. In fact,
> performance is what i would call fair on 2 meter and up, but poor on 6
> meters, and receive would be poor on frequencies below 50 MHz.
> Quoting the hype on the discone "The discone design offers the best
> performance possible in an omni-directional antenna.", they should have
> mentioned that for a works on all bands above 2 meters, it is a fair
> antenna. Not great, just fair.
> I have the version that Radio Shack sold, and it was fair on the 1 1/4
> meter band, and did work on 2 meters and 70 centimeters.
> On 6 meters, it was poor, and I redid it using a 6 meter hamstick in
> place of the whip and loading coil they provided.
> I took it down when I built a J Pole for the 1 1/4 meter band. May put it
> up for scanner use, as well as for a utility antenna where a zilch gain
> antenna is okay.
> Most antennas that cover more than one band tend to be a compromise, or
> be very large. Plus usually require a tuner, or are very narrowbanded on
> the frequencies they do work on.
> YMMV
>
> Wayne WA2YNE
> Imperial, tejas
>
>
> On Fri, 02 May 2008 18:51:13 -0500, Earl <w2edv@...> wrote:
>
> >
> > Hi Joe,
> >
> > I just saw your reply - sorry about that. My thought process was such
> > that because I read rave reviews on the scantenna (how it blew away
> > everything else), and because I live in a low-lying area, that I
> > should go in the direction I had described. But I am open to
> > alternative ideas. I will check out the Diamond.
> > Thanks very much for your suggestion!
> >
> > 73
> > earl
> > w2edv
> >
> > --- In ham-antennas@yahoogroups.com, DRJVM@... wrote:

> >>
> >> Earl- Why not just mount one antenna? Check out the Diamond D-130J
> > discone
> >> antenna receives solid from 25 to 1300 MHz! It can also be used for
> > transmit on
> >> 50, 144, 430, 900 and 1200 MHz ham bands (under 100 watts).
> >>
> >> _http://www.universal-radio.com/catalog/scanants/2405.html_
> >> (http://www.universal-radio.com/catalog/scanants/2405.html)
> >>
> >> Joe
> >> KC2NKK
>
>
> --
> Using Opera's revolutionary e-mail client: http://www.opera.com/mail/
>
> ----------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
> to ALL 974 members (as of 11/07/07, and attachments are NOT permitted.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
>

--
Sean
W8OKN

[Non-text portions of this message have been removed]

4773. Re: Best Gain Vertical for 2meters

Yahoo group: ham-antennas (2008)
Date: 2008-05-05 16:31:20 UTC
From: Chris Moore
Topic: 4760 Message: 4773

Beams I have tryed...

7 ele ZL SPECIAL
12 ele ZL SPECIAL
4 ele quad JAY BEAM
16 ele JAY BEAM

I think all my signals come from the bounce off the hills around me. The beams do work well up on the hills I have spoken to Netherlands , Germany , France on 2ssb with them but down in the valley just forget it.

4774. Re: Best Gain Vertical for 2meters

Yahoo group: ham-antennas (2008)
Date: 2008-05-05 16:37:13 UTC
From: Chris Moore
Topic: 4760 Message: 4774

I already have a Comet GP15 up on the house which is 6.2 db on 144mhz and it has got very low loss coax on it (ECOFLEX 15) 10meters that is so my losses are very small. Also over here I am a M3 licence which means I am only permitted to us 10watts MAX.....So i need the gain... Cheers for info. Anybody using RG213 get some proper Coax it DOES make a huge difference.....

4775. Re: Best Gain Vertical for 2meters

Yahoo group: ham-antennas (2008)
Date: 2008-05-05 16:58:25 UTC
From: Chris Moore
Topic: 4760 Message: 4775

Cheers for all the info guys and Callum like the website....
Say it how it is mate.... PLUG! http://www.m0mcx.co.uk/

4776. RE: [ham-antennas] Re: Best Gain Vertical for 2meters

Yahoo group: ham-antennas (2008)
Date: 2008-05-05 19:35:28 UTC
From: Callum M0MCX
Topic: 4760 Message: 4776

Ha! Thanks for the plug Chris J

I notice you are also addicted to Ecoflex 15. I have recently been sent a sample and I may order a small run for field day purposes. Apparently you can also get Ecoflex 15 in the USA. I compares well with their hardline but I believe it's more flexible.

Cheers,

Callum McCormick

http://www.m0mcx.co.uk/

While others were busy thinking outside the box, I cut it up because I needed some cardboard for a project I was making.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Chris Moore
Sent: 05 May 2008 17:58
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: Best Gain Vertical for 2meters

Cheers for all the info guys and Callum like the website....
Say it how it is mate.... PLUG! http://www.m0mcx.co.uk/

[Non-text portions of this message have been removed]

4777. RE: [ham-antennas] Re: Best Gain Vertical for 2meters

Yahoo group: ham-antennas (2008)
Date: 2008-05-05 19:42:12 UTC
From: Callum M0MCX
Topic: 4760 Message: 4777

(Chris J? Where did the J come from? Finger trouble!)

Callum McCormick

http://www.m0mcx.co.uk/

While others were busy thinking outside the box, I cut it up because I needed some cardboard for a project I was making.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Callum M0MCX
Sent: 05 May 2008 20:35
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Re: Best Gain Vertical for 2meters

Ha! Thanks for the plug Chris J

I notice you are also addicted to Ecoflex 15. I have recently been sent a sample and I may order a small run for field day purposes. Apparently you can also get Ecoflex 15 in the USA. I compares well with their hardline but I believe it's more flexible.

Cheers,

Callum McCormick

http://www.m0mcx.co.uk/

While others were busy thinking outside the box, I cut it up because I needed some cardboard for a project I was making.

From: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com> [mailto:ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>] On
Behalf Of Chris Moore
Sent: 05 May 2008 17:58
To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
Subject: [ham-antennas] Re: Best Gain Vertical for 2meters

Cheers for all the info guys and Callum like the website....
Say it how it is mate.... PLUG! http://www.m0mcx.co.uk/

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

4778. Re: [ham-antennas] Re: Best Gain Vertical for 2meters

Yahoo group: ham-antennas (2008)
Date: 2008-05-05 19:55:18 UTC
From: DRJVM@AOL.COM
Topic: 4760 Message: 4778

In a message dated 5/5/2008 2:35:53 P.M. Eastern Standard Time,
callum@... writes:

Ecoflex 15

Where can you get the Ecoflex 15 in the US?

**********Wondering what's for Dinner Tonight? Get new twists on family
favorites at AOL Food.
(http://food.aol.com/dinner-tonight?NCID=aolfod00030000000001)

[Non-text portions of this message have been removed]

4779. Soldering Iron Wattage for Coax Connectors?

Yahoo group: ham-antennas (2008)
Date: 2008-05-06 01:04:12 UTC
From: foreveraccount
Topic: 4779 Message: 4779

What is the best wattage soldering iron for coax connectors?
I was thinking 75 watt, but I read 250 watt?

Thanks,
Dan

4780. RE: [ham-antennas] Soldering Iron Wattage for Coax Connectors?

Yahoo group: ham-antennas (2008)
Date: 2008-05-06 01:42:25 UTC
From: AE5MH
Topic: 4779 Message: 4780

250

-----Original Message-----
From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of foreveraccount
Sent: Monday, May 05, 2008 8:04 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Soldering Iron Wattage for Coax Connectors?

What is the best wattage soldering iron for coax connectors?
I was thinking 75 watt, but I read 250 watt?

Thanks,
Dan

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 974 members (as of 11/07/07, and attachments are NOT permitted.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

4781. RE: [ham-antennas] Soldering Iron Wattage for Coax Connectors?

Yahoo group: ham-antennas (2008)
Date: 2008-05-06 02:42:26 UTC
From: Rich Schmuke
Topic: 4779 Message: 4781

I use a 40 watt iron , if out side and windy I use a 60.The 60 is almost too big to work with PL259's. I don't know how a larger iron would work for soldering the shield to the PL259. I also use a small bottle of brush on rosin flux and always Kessler lead based solder.

Rich , Kd0zz

As an act of plagiarism . Disclaimer: Any errors in spelling or facts are transmission errors.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of AE5MH
Sent: Monday, May 05, 2008 8:42 PM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Soldering Iron Wattage for Coax Connectors?

250

-----Original Message-----
From: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
[mailto:ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
] On
Behalf Of foreveraccount
Sent: Monday, May 05, 2008 8:04 PM
To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
Subject: [ham-antennas] Soldering Iron Wattage for Coax Connectors?

What is the best wattage soldering iron for coax connectors?
I was thinking 75 watt, but I read 250 watt?

Thanks,
Dan

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 974 members (as of 11/07/07, and attachments are NOT permitted.
Post message: ham-antennas@yahoogroups.com
<mailto:ham-antennas%40yahoogroups.com>
Subscribe: ham-antennas-subscribe@yahoogroups.com
<mailto:ham-antennas-subscribe%40yahoogroups.com>
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
<mailto:ham-antennas-unsubscribe%40yahoogroups.com>
List owner: ham-antennas-owner@yahoogroups.com
<mailto:ham-antennas-owner%40yahoogroups.com>
Yahoo! Groups Links

[Non-text portions of this message have been removed]

4782. RE: [ham-antennas] Soldering Iron Wattage for Coax Connectors?

Yahoo group: ham-antennas (2008)
Date: 2008-05-06 06:18:28 UTC
From: James Fogg
Topic: 4779 Message: 4782

Long ago I briefly had a job as a production solderer/assembler. I had already honed my soldering technique from 10 years of childhood electronics projects. My style is based on speed to avoid heating the device you are soldering, since heat transfer is based on time and temp. I always use a very hot iron and work very fast and I have great results. The engineers at that assembly job had other ideas and management wanted a cooler iron to avoid component damage. I was able to demonstrate otherwise and taught a few of the women on the line how to work hot/fast and the failures dropped significantly.

What does my heresy have to do with coax? For the braid I use a micro torch (like Radio Shack carried years ago). For the center conductor I use a 60 watt (or larger if I have one). From my plumbing skills I picked up the trick of cooling the connector just to the point below boiling water with a wet rag as soon as I remove the torch. Speed is my key to success with solder.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
On Behalf Of foreveraccount
Sent: Monday, May 05, 2008 9:04 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Soldering Iron Wattage for Coax Connectors?

What is the best wattage soldering iron for coax connectors?
I was thinking 75 watt, but I read 250 watt?

Thanks,
Dan

[Non-text portions of this message have been removed]

4783. Re: [ham-antennas] Soldering Iron Wattage for Coax Connectors?

Yahoo group: ham-antennas (2008)
Date: 2008-05-06 08:19:03 UTC
From: hermit
Topic: 4779 Message: 4783

For the most recent PL-259 that I soldered on LMR-400 I used a micro-torch made by the Blazer company. Very fast with no excessive heat to the connector or coax. I'm sold on that method. This little torch is small - abt the size of your thumb.

73

Dick Williams KB3OMJ

>
>What is the best wattage soldering iron for coax connectors?
>I was thinking 75 watt, but I read 250 watt?
>
> Thanks,
> Dan

4784. Re: Soldering Iron Wattage for Coax Connectors?

Yahoo group: ham-antennas (2008)
Date: 2008-05-06 13:11:06 UTC
From: foreveraccount
Topic: 4779 Message: 4784

Thanks Everyone.

Looks like the answer is, it depends on your technique.
Either will do.

Thanks Again,

Dan

--- In ham-antennas@yahoogroups.com, hermit <hermit@...> wrote:
>
>
> For the most recent PL-259 that I soldered on LMR-400 I used a
> micro-torch made by the Blazer company. Very fast with no excessive
> heat to the connector or coax. I'm sold on that method. This
little
> torch is small - abt the size of your thumb.
>
> 73
>
> Dick Williams KB3OMJ
>
> >
> >What is the best wattage soldering iron for coax connectors?
> >I was thinking 75 watt, but I read 250 watt?
> >
> > Thanks,
> > Dan
>

4785. RE: [ham-antennas] Re: Soldering Iron Wattage for Coax Connectors?

Yahoo group: ham-antennas (2008)
Date: 2008-05-06 13:43:33 UTC
From: Rich Schmuke
Topic: 4779 Message: 4785

You are right, it is what you are comfortable with. I learned to solder back in 1974 doing wire bundles for navy trainers. Back then it was all wires soldering into the cannon plugs , We did not have the crimp type back then on the trainers so I learned with a small but hot iron.

Rich , Kd0zz

As an act of plagiarism . Disclaimer: Any errors in spelling or facts are transmission errors.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of foreveraccount
Sent: Tuesday, May 06, 2008 8:11 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: Soldering Iron Wattage for Coax Connectors?

Thanks Everyone.

Looks like the answer is, it depends on your technique.
Either will do.

Thanks Again,

Dan

--- In ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
, hermit <hermit@...> wrote:
>
>
> For the most recent PL-259 that I soldered on LMR-400 I used a
> micro-torch made by the Blazer company. Very fast with no excessive
> heat to the connector or coax. I'm sold on that method. This
little
> torch is small - abt the size of your thumb.
>
> 73
>
> Dick Williams KB3OMJ
>
> >
> >What is the best wattage soldering iron for coax connectors?
> >I was thinking 75 watt, but I read 250 watt?
> >
> > Thanks,
> > Dan
>

[Non-text portions of this message have been removed]

4786. RE: [ham-antennas] Re: Best Gain Vertical for 2meters

Yahoo group: ham-antennas (2008)
Date: 2008-05-06 16:43:50 UTC
From: Callum M0MCX
Topic: 4760 Message: 4786

I don't know where to get this stuff outside the UK.

The manufacturer may be able to help if you drop them a note.

http://www.ssb.de/kontakt_e.shtml

Regards,

Callum McCormick

http://www.m0mcx.co.uk/

While others were busy thinking outside the box, I cut it up because I needed some cardboard for a project I was making.

[Non-text portions of this message have been removed]

4787. Re: Best Gain Vertical for 2meters

Yahoo group: ham-antennas (2008)
Date: 2008-05-06 17:10:24 UTC
From: Chris Moore
Topic: 4760 Message: 4787

Yeh top stuff the Ecoflex. I only fun the ECO10 because I only have a small run and thats up the old chimney on the house 10meters. It is very flexy and cuts out alot of noise also signals are alot stronger. I was 5/7 to a mate when i lashed it with ecoflex from RG213 I went up to 5/9 so its made a huge difference. Over here in the UK you can buy it here http://www.diodecomms.co.uk he imports it from Germany I think. Doing a contest tonight at 8 till 10.30 with ecoflex on my skeleton slot yagi on the top of the landy less losses on 144mhz.....

4788. Re: [ham-antennas] Re: Soldering Iron Wattage for Coax Connectors?

Yahoo group: ham-antennas (2008)
Date: 2008-05-06 20:29:00 UTC
From: Wayne
Topic: 4779 Message: 4788

I used to use one or two Weller guns.
Biggest problems I had with those was my brother never kept them tinned
when he used them.
I still have several of them, mostly working, and one Rat Shack gun that
is terrible compared to the Weller's
For small stuff, I use and older Weller temperature controlled iron.
Should get a new tip for it, as the end does not want to stay tinned any
more. But it is too light for the PL259s.
It does depend in part on how you do it. I usually tried to tin the braid
a bit, and the end of the center conductor, before I assembled the cable.

Wayne WA2YNE who started with a 100 watt iron way back.

On Tue, 06 May 2008 08:11:06 -0500, foreveraccount
<foreveraccount@...> wrote:

>
>
> Thanks Everyone.
>
> Looks like the answer is, it depends on your technique.
> Either will do.
>
> Thanks Again,
>
> Dan
>
>
>
>
>
>
>
>
> --- In ham-antennas@yahoogroups.com, hermit <hermit@...> wrote:
>>
>>
>> For the most recent PL-259 that I soldered on LMR-400 I used a
>> micro-torch made by the Blazer company. Very fast with no excessive
>> heat to the connector or coax. I'm sold on that method. This
> little
>> torch is small - abt the size of your thumb.
>>
>> 73
>>
>> Dick Williams KB3OMJ

>>
>> >
>> >What is the best wattage soldering iron for coax connectors?
>> >I was thinking 75 watt, but I read 250 watt?
>> >
>> > Thanks,
>> > Dan
>>
>
>

--
Using Opera's revolutionary e-mail client: http://www.opera.com/mail/

4789. Re: [ham-antennas] Re: Best Gain Vertical for 2meters

Yahoo group: ham-antennas (2008)
Date: 2008-05-06 20:58:39 UTC
From: Phil Bader
Topic: 4760 Message: 4789

Any USA suppliers for Ecoflex?
Phil B
Philip Bader
pbader@...
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakelandarc.org/
Currently: Polk County School Board Electronics
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006

----- Original Message -----
From: Chris Moore
To: ham-antennas@yahoogroups.com
Sent: Tuesday, May 06, 2008 1:10 PM
Subject: [ham-antennas] Re: Best Gain Vertical for 2meters

Yeh top stuff the Ecoflex. I only fun the ECO10 because I only have a small run and thats up the old chimney on the house 10meters. It is very flexy and cuts out alot of noise also signals are alot stronger. I was 5/7 to a mate when i lashed it with ecoflex from RG213 I went up to 5/9 so its made a huge difference. Over here in the UK you can buy it here http://www.diodecomms.co.uk he imports it from Germany I think. Doing a contest tonight at 8 till 10.30 with ecoflex on my skeleton slot yagi on the top of the landy less losses on 144mhz.....

No virus found in this incoming message.
Checked by AVG.
Version: 7.5.524 / Virus Database: 269.23.9/1416 - Release Date: 5/5/2008 5:11 PM

[Non-text portions of this message have been removed]

4790. Half wave CB style verticals

Yahoo group: ham-antennas (2008)
Date: 2008-05-06 21:26:13 UTC
From: Callum M0MCX
Topic: 4790 Message: 4790

I am confused as to how those half-wave antennas (that the CBers often use at home) work.

Many of them are half wave and have no ground plane. I just can't work out how they are fed?

Anyone..?

Callum McCormick

<http://www.m0mcx.co.uk/> http://www.m0mcx.co.uk/

While others were busy thinking outside the box, I cut it up because I needed some cardboard for a project I was making.

[Non-text portions of this message have been removed]

4791. Re: [ham-antennas] Half wave CB style verticals

Yahoo group: ham-antennas (2008)
Date: 2008-05-06 21:38:31 UTC
From: trucken4peace@yahoo.com
Topic: 4790 Message: 4791

>I am confused as to how those half-wave antennas (that the CBers often use at home) work.

Just like any hamstick. Using the semi as a ground plain. Current I have the dual antenna (whipping in the wind) sorry, the center wire goes to the center of both antennas, the outer braided wire goes to the aluminum mirror mount. Now with plastic mirror mount becoming more common some times the outer wire isn't connected. With either setup 4 watts legal and a 1.5:1 swr 5-7 miles is common. Anything works if the swr is resonable. Another way to think of it is a random wire antenna. Hope that helps. 73

KE7JSL
John
Sent via BlackBerry from T-Mobile

4792. Re: [ham-antennas] Half wave CB style verticals

Yahoo group: ham-antennas (2008)
Date: 2008-05-07 00:49:18 UTC
From: Phil Bader
Topic: 4790 Message: 4792

I think you are referring to the white fiberglass poles about 18 feet long,that you see in marine use, or base stations with no ground plane radials. One such model I've used is the "Antron 99". I cut/pasted a short explanation I found at:
http://www.firecommunications.com/debunk.txt

The Antron 99 is not a half wave antenna!
(Another myth destroyed)

You saw it, you looked at it, it was about 18 feet long, and right off the bat you decided, "It's a half wave antenna".....Well, you're wrong again!

The Antron 99 is a loaded 1/2 wave over a loaded 1/4 wave, variable mutual transductance tuned vertical antenna! "Anyone who had read the advertising would know this"! here is a link to the equivalent electrical schematic representation of the A99.

http://www.firecommunications.com/images/a99schem.gif
how anyone can look at this and call it a shunt-fed 1/2 wave defies reason.

here are the patent files for the A99
http://www.firecommunications.com/patents/antron99/

The term colinear simply means "in a straight line". Any antenna using 2 or more discrete elements stacked one above the other, is a colinear array. To be exact, it is a 2 element stacked colinear array for the 10 and 11 meter bands! Put it together and place the feedpoint at 37 feet above the ground, (which is approximately one wavelength at 27 mhz) and don't forget to connect the other end of the feed to the "base". Pick up the ground plane kit for it later on as this is a worthwhile addition! Besides decoupling the antenna from the feedline and optimizing the input impedance the ground plane kit will also help further reduce rf interference and TVI in the near field of the antenna.

Hope this helps,
Phil B
Philip Bader
pbader@...
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakelandarc.org/
Currently: Polk County School Board Electronics
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006

----- Original Message -----
From: Callum M0MCX
To: ham-antennas@yahoogroups.com
Sent: Tuesday, May 06, 2008 5:26 PM
Subject: [ham-antennas] Half wave CB style verticals

I am confused as to how those half-wave antennas (that the CBers often use at home) work.

Many of them are half wave and have no ground plane. I just can't work out how they are fed?

Anyone..?

Callum McCormick

<http://www.m0mcx.co.uk/> http://www.m0mcx.co.uk/

While others were busy thinking outside the box, I cut it up because I needed some cardboard for a project I was making.

[Non-text portions of this message have been removed]

No virus found in this incoming message.
Checked by AVG.
Version: 7.5.524 / Virus Database: 269.23.9/1418 - Release Date: 5/6/2008 5:17 PM

[Non-text portions of this message have been removed]

4793. Testing of a W2DU 4:1 Balun

Yahoo group: ham-antennas (2008)
Date: 2008-05-07 01:18:36 UTC
From: Marty Bluhm
Topic: 4793 Message: 4793

I'm getting ready to put up a 20m delta loop and in the plans, the author utilized a 4:1 W2DU balun for matching vice the 72 ohm matching section.

I've carried around a w2du 4:1 balun for years, never knowing when I would need it. I checked it out today and one of the inside wires was broken. A little solder and it is ready to be tested. Now the problem, I cant find any documentation on how to check it out and make sure that it is ok. Anybody had any experience with this type of checking out.

Thanks
73
Marty
W8AKS

4794. Re: [ham-antennas] Soldering Iron Wattage for Coax Connectors?

Yahoo group: ham-antennas (2008)
Date: 2008-05-07 02:08:47 UTC
From: Phil Bader
Topic: 4779 Message: 4794

James, I have used your fast and hot method for over 30 years,at my past consumer electronics service and now as a school board service tech. I often have to reflow solder on a hundred or more pins on a switch assembly in intercoms now,and I use a hot iron (pyro-pen in the field) and move quickly from one to the next. The solder flows smoothly and shiny joints result. I defend this method to the death. I've tried the low iron longer method, but it just heats up the work. Glad there's another cry of truth from the darkness!
Best,
Phil B
Philip Bader
pbader@...
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakelandarc.org/
Currently: Polk County School Board Electronics
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006

----- Original Message -----
From: James Fogg
To: ham-antennas@yahoogroups.com
Sent: Tuesday, May 06, 2008 2:18 AM
Subject: RE: [ham-antennas] Soldering Iron Wattage for Coax Connectors?

Long ago I briefly had a job as a production solderer/assembler. I had already honed my soldering technique from 10 years of childhood electronics projects. My style is based on speed to avoid heating the device you are soldering, since heat transfer is based on time and temp. I always use a very hot iron and work very fast and I have great results. The engineers at that assembly job had other ideas and management wanted a cooler iron to avoid component damage. I was able to demonstrate otherwise and taught a few of the women on the line how to work hot/fast and the failures dropped significantly.

What does my heresy have to do with coax? For the braid I use a micro torch (like Radio Shack carried years ago). For the center conductor I use a 60 watt (or larger if I have one). From my plumbing skills I picked up the trick of cooling the connector just to the point below boiling water with a wet rag as soon as I remove the torch. Speed is my key to success with solder.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
On Behalf Of foreveraccount
Sent: Monday, May 05, 2008 9:04 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Soldering Iron Wattage for Coax Connectors?

What is the best wattage soldering iron for coax connectors?
I was thinking 75 watt, but I read 250 watt?

Thanks,
Dan

[Non-text portions of this message have been removed]

No virus found in this incoming message.
Checked by AVG.
Version: 7.5.524 / Virus Database: 269.23.9/1416 - Release Date: 5/5/2008 5:11 PM

[Non-text portions of this message have been removed]

4795. Re: Testing of a W2DU 4:1 Balun

Yahoo group: ham-antennas (2008)
Date: 2008-05-07 03:11:54 UTC
From: David Lewis
Topic: 4793 Message: 4795

Hi Marty,
If you have access to an antenna analyzer,make a 200 ohm load,
with some resistors.Place them across the output and connect the
analyzer to the 50 ohm side.Should show a 1:1 match(or close).It may
vary a bit,from fiteen to ten meters,but should be fairly close.
73,David N5SJS

>
> I'm getting ready to put up a 20m delta loop and in the plans, the
author
> utilized a 4:1 W2DU balun for matching vice the 72 ohm matching section.
>
> I've carried around a w2du 4:1 balun for years, never knowing when I
would
> need it. I checked it out today and one of the inside wires was
broken. A
> little solder and it is ready to be tested. Now the problem, I cant
find any
> documentation on how to check it out and make sure that it is ok.
Anybody
> had any experience with this type of checking out.
>
> Thanks
> 73
> Marty
> W8AKS
>

4796. THHN Wire

Yahoo group: ham-antennas (2008)
Date: 2008-05-07 03:20:38 UTC
From: nw_passages
Topic: 4796 Message: 4796

Can somebody tell me what the velocity factor is for THHN (insulated Home Depot type) 12-14 AWG wire is. Somewhere I read it was .95 - .98 but not sure...Thanks - Eric W7NNN

4797. Re: [ham-antennas] Half wave CB style verticals

Yahoo group: ham-antennas (2008)
Date: 2008-05-07 06:56:04 UTC
From: Wayne
Topic: 4790 Message: 4797

try reading his query again. He said "at home", not mobile.

To answer, I took a junk one apart, which was in terrible shape due to
the fiberglas deteriorating.
It has a matching coil of sorts in the base.
May be similar in a way to the basic Ringo type antenna, also 1/2 wave,
that uses a loop that is tapped to match the antenna. Same basic idea I
would presume, only more compact.
Some hams have used them on 10 meters by trimming the top a bit.
being as feeding a 1/2 wave at the base would not work due to the
impedence being far different, the matching coil takes care of that so the
impedence seen is about 50 ohms.
Should be something in one of the antenna books, or maybe to be found
online.

I have an old CB base antenna here, all aluminum, that I plan to see if I
can get it to work for 10 or even 12 meters. It, however, used radials of
sorts at the base, now gone other than stbs and one slightly longer chunk,
plus a matching transformer in the base.
Some were 1/2 wave, some, If I recall right, were 5/8 or 3/4 wave long.
I might be able to make wire radials for it, just need another good place
to mount it.
Beware old fiberglas antennas, they slowly discintegrate...
YMMV

Wayne WA2YNE
Imperial, Tejas

On Tue, 06 May 2008 16:38:31 -0500, <trucken4peace@...> wrote:

>> I am confused as to how those half-wave antennas (that the CBers often
>> use
> at home) work.
>
> Just like any hamstick. Using the semi as a ground plain. Current I have
> the dual antenna (whipping in the wind) sorry, the center wire goes to
> the center of both antennas, the outer braided wire goes to the aluminum
> mirror mount. Now with plastic mirror mount becoming more common some
> times the outer wire isn't connected. With either setup 4 watts legal
> and a 1.5:1 swr 5-7 miles is common. Anything works if the swr is
> resonable. Another way to think of it is a random wire antenna. Hope
> that helps. 73
>
> KE7JSL
> John
> Sent via BlackBerry from T-Mobile

>

--
Using Opera's revolutionary e-mail client: http://www.opera.com/mail/

4798. Good Ideas for using 450 ohm ladder line?

Yahoo group: ham-antennas (2008)
Date: 2008-05-07 14:41:32 UTC
From: staub_r
Topic: 4798 Message: 4798

I have a couple antennas which use 450 Ohm ladder line. Does anyone have a good suggestion on using this line? I know you are supposed to keep it 2 feet away from anything metal of any size. This makes it extremely difficult to mount on a roof where it must come close to rain gutters and such things. Also this feed line tends to catch lots of wind. Any suggestions on how to keep it from distroying it's self in the wind?

Bill
WB0YWO

4799. Re: [ham-antennas] Half wave CB style verticals

Yahoo group: ham-antennas (2008)
Date: 2008-05-07 16:11:04 UTC
From: trucken4peace@yahoo.com
Topic: 4790 Message: 4799

My point was NO verticle REQUIRES a ground plane or counterpoise. Without one though makes it inefficient.

KE7JSL
John
Sent via BlackBerry from T-Mobile

4800. RE: [ham-antennas] Half wave CB style verticals

Yahoo group: ham-antennas (2008)
Date: 2008-05-07 21:18:56 UTC
From: Callum M0MCX
Topic: 4790 Message: 4800

Thank you for the responses - although completely inconclusive. I had a half-wave vertical with no ground on 11m before I was a ham. I compared this to an 11 meter 3-ele yagi that I built and the yagi normally (but not always) beat the vertical. I know it's quite normal to say "verticals without grounds don't work" however there's plenty of 2, and 70cms antennas without a ground that work very well. So careful thought is required here before shouting from the rooftops.

I need to know if a) someone knows on this forum the precise matching circuit of these very cheap aluminium half-waves and b) what ground-wave experiments have taken place with them. Clearly there's a bit of a knowledge black hole here. I have a suspicion that these half-waves (driven more than a wavelength above ground) might work better than anticipated.

Cheers,

Callum McCormick

http://www.m0mcx.co.uk/

While others were busy thinking outside the box, I cut it up because I needed some cardboard for a project I was making.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Callum M0MCX
Sent: 06 May 2008 22:26
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Half wave CB style verticals

I am confused as to how those half-wave antennas (that the CBers often use at home) work.

Many of them are half wave and have no ground plane. I just can't work out how they are fed?

Anyone..?

Callum McCormick

<http://www.m0mcx.co.uk/> http://www.m0mcx.co.uk/

While others were busy thinking outside the box, I cut it up because I needed some cardboard for a project I was making.

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

4801. Re: [ham-antennas] Re: Best Gain Vertical for 2meters

Yahoo group: ham-antennas (2008)
Date: 2008-05-07 21:55:49 UTC
From: Louis Cabezas
Topic: 4760 Message: 4801

Phil,
You might try this site.

http://www.ssbusa.com/aircom.html

Lou
K3BQ

Phil Bader <PBADER@...> wrote:
Any USA suppliers for Ecoflex?
Phil B
Philip Bader
pbader@...
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakelandarc.org/
Currently: Polk County School Board Electronics
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006

----- Original Message -----
From: Chris Moore
To: ham-antennas@yahoogroups.com
Sent: Tuesday, May 06, 2008 1:10 PM
Subject: [ham-antennas] Re: Best Gain Vertical for 2meters

Yeh top stuff the Ecoflex. I only fun the ECO10 because I only have a small run and thats up the old chimney on the house 10meters. It is very flexy and cuts out alot of noise also signals are alot stronger. I was 5/7 to a mate when i lashed it with ecoflex from RG213 I went up to 5/9 so its made a huge difference. Over here in the UK you can buy it here http://www.diodecomms.co.uk he imports it from Germany I think. Doing a contest tonight at 8 till 10.30 with ecoflex on my skeleton slot yagi on the top of the landy less losses on 144mhz.....

No virus found in this incoming message.
Checked by AVG.
Version: 7.5.524 / Virus Database: 269.23.9/1416 - Release Date: 5/5/2008 5:11 PM

[Non-text portions of this message have been removed]

Be a better friend, newshound, and know-it-all with Yahoo! Mobile. Try it now.

[Non-text portions of this message have been removed]

4802. Re: Newbie

Yahoo group: ham-antennas (2008)
Date: 2008-05-08 02:56:33 UTC
From: ash_lee52
Topic: 4718 Message: 4802

I've tried all the commercial portable antennas, and find the tuning process on all of them fussy. I like to change bands without rebuilding the antenna.

So I've gravitated toward a version of the Norcal Doublet (Google it). What I did was take a 50 foot length of speaker wire, tie a knot in it 22 feet down, and seperate the wires so that you have 2 22-foot legs. The remaining wire is your feed line. I tune this with a small QRP tuner, but you could use any type of tuner. This takes me maybe a minute to change bands.

I use a long "fishing pole" as a mast and can hang thhis as an inverted V... or I can tie a line to a rock and throw the rock over a tree branch and operate without the pole.

My signal is at least as strong as on the various commercial antennas. In fact, to expand the thought, my wire antennas nearly always outperform aluminum. The best I've ever used in the Buckmaster (see E-ham reviews)

--- In ham-antennas@yahoogroups.com, DRJVM@... wrote:
>
> Hi,
> I'm new to the group. I wanted to either make or purchase a field antenna
> for HF. It has to be lightweight, easy to put up, and have multiple bands w/o
> having to move clips on tuning coils. I would like to have 80m, 40m & 20m at a
> minimum. And the last part is to have as small a foot print as possible. I
> like the buddie pole but I don't like the idea of having to move clips around
> when you change bands. Any suggestions from the group?
>
> Joe
> KC2NKK
>
>
>
> **********Need a new ride? Check out the largest site for U.S. used car
> listings at AOL Autos.
> (http://autos.aol.com/used?NCID=aolcmp00300000002851)
>
>

> [Non-text portions of this message have been removed]
>

4803. Re: Half wave CB style verticals

Yahoo group: ham-antennas (2008)
Date: 2008-05-08 12:32:32 UTC
From: Ian Miller
Topic: 4790 Message: 4803

As a young teenager without much money, we used to play with some cheapy antenna designs on 11 meters. The fiberglass vertical was called the Big Stick from Shakespear. What was this? We took a guess at a vertically polarized dipole, center fed. Nothing more than that.

So, we got some white PVC pipe and some aluminum rod, and built these vertical dipoles cut to 11 meters. They certainly out-performed the 1/4 wave verticals with radials that we were using. But they are no match for a yagi.

If you look at the typical 3 element yagi, the "driven" element is nothing more than a center fed dipole, the reflector and directors being parasitic elements.

So, if you have space limitations, try the vertical dipole. It works and will give you between 1.5 to 2 dB gain.

73

Ian
VA2IR

--- In ham-antennas@yahoogroups.com, "Callum M0MCX" <callum@...>
wrote:
>
> Thank you for the responses - although completely inconclusive. I
had a
> half-wave vertical with no ground on 11m before I was a ham. I
compared this
> to an 11 meter 3-ele yagi that I built and the yagi normally (but
not
> always) beat the vertical. I know it's quite normal to
say "verticals
> without grounds don't work" however there's plenty of 2, and 70cms
antennas
> without a ground that work very well. So careful thought is
required here
> before shouting from the rooftops.
>
>
>
> I need to know if a) someone knows on this forum the precise
matching
> circuit of these very cheap aluminium half-waves and b) what ground-
wave
> experiments have taken place with them. Clearly there's a bit of a

knowledge
> black hole here. I have a suspicion that these half-waves (driven
more than
> a wavelength above ground) might work better than anticipated.
>
>
>
> Cheers,
>
>
>
> Callum McCormick
>
> http://www.m0mcx.co.uk/
>
>
>
> While others were busy thinking outside the box, I cut it up
because I
> needed some cardboard for a project I was making.
>
>
>
> From: ham-antennas@yahoogroups.com [mailto:ham-
antennas@yahoogroups.com] On
> Behalf Of Callum M0MCX
> Sent: 06 May 2008 22:26
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] Half wave CB style verticals
>
>
>
> I am confused as to how those half-wave antennas (that the CBers
often use
> at home) work.
>
> Many of them are half wave and have no ground plane. I just can't
work out
> how they are fed?
>
> Anyone..?
>
> Callum McCormick
>
> <http://www.m0mcx.co.uk/> http://www.m0mcx.co.uk/
>
> While others were busy thinking outside the box, I cut it up
because I
> needed some cardboard for a project I was making.
>

> [Non-text portions of this message have been removed]
>
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>
> [Non-text portions of this message have been removed]
>

4804. Re: Half wave CB style verticals

Yahoo group: ham-antennas (2008)
Date: 2008-05-08 14:43:16 UTC
From: kdf9511
Topic: 4790 Message: 4804

I have one of those old Shakespear Big Sitcks in the garage now just waiting to get on the air on 10/12 meters. That is one very good antenna. It is a 1/2 wave sleave dipole. I like that design so much that I am building a couple more of them for 2m and 70 cm out of aluminum tubing salvaged from a torn folding lawn chair. I am even thinking about trying to build one for mobile use with a tubing lower section and a stainless steel stinger for the top section to put on my motorcycle since it doesn't have a great ground plain.

If it wasn't for the size requirments I would build one each for 20m and 40m.

Kerry
KE5OFO

4805. 80 meter loop configuration Question

Yahoo group: ham-antennas (2008)
Date: 2008-05-08 14:48:02 UTC
From: Jason
Topic: 4805 Message: 4805

Hi All,

I'm installing a 80 meter loop at my new house and running to a problem. Hopefully someone can help out.

Here are the details:

I was wondering if I could pick your brain on the 80m loop antenna I am installing at my new house. Here are the particulars that I posted on a Yahoo Group trying to gather information:

a) 272' of stranded 12 gauge wire in a relatively rectangular shape.

b) Van Gorden Antenna Center Insulator connects the 12 gauge wire in a tree.

c) 450 OHM 14GA Van Gorden Ladderline connects to my Insulator on one end and connects to a HI-Q 4:1 Balun on the other end.

d) From the 4:1 Balun a coax run goes into my shack on a Kenwood TS480SAT rig. (auto tuner)

I can tune just fine on 10, 15, 20, 40 meters! (even 160 and 6 meters tune at certain locations) Audio and SWR are perfect.

However, I cannot tune any higher than 3.800 on 75/80 meters. I have cut down the ladder line and no change. When I cut down the ladder line I tuned in the other bands perfectly. Ladder line sits at about 93 feet in length now. I tried cutting down further and I ended up taking out all the bands, so I reached the limit I believe. I put back the last piece I cut and now back to where I was.

I thought maybe the hardware store made a mistake and my 12 gauge wire was short. So I added 25 feet to it in the middle. It actually made 75/80 meters worse, as it didn't want to tune above 3.700. So I reverted back.

Any thoughts on what is happening? I seem to be stuck at 3.800. I don't know if this frequency, exactly, is telling me something? Any suggestions would be greatly appreciated!

4806. Re: [ham-antennas] 80 meter loop configuration Question

Yahoo group: ham-antennas (2008)
Date: 2008-05-08 14:51:21 UTC
From: DRJVM@AOL.COM
Topic: 4805 Message: 4806

In a message dated 5/8/2008 9:49:21 A.M. Eastern Standard Time, jlauzer@... writes:

Hi All,

I'm installing a 80 meter loop at my new house and running to a problem. Hopefully someone can help out.

Here are the details:

I was wondering if I could pick your brain on the 80m loop antenna I am installing at my new house. Here are the particulars that I posted on a Yahoo Group trying to gather information:

a) 272' of stranded 12 gauge wire in a relatively rectangular shape.

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d) From the 4:1 Balun a coax run goes into my shack on a Kenwood TS480SAT rig. (auto tuner)

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However, I cannot tune any higher than 3.800 on 75/80 meters. I have cut down the ladder line and no change. When I cut down the ladder line I tuned in the other bands perfectly. Ladder line sits at about 93 feet in length now. I tried cutting down further and I ended up taking out all the bands, so I reached the limit I believe. I put back the last piece I cut and now back to where I was.

I thought maybe the hardware store made a mistake and my 12 gauge wire was short. So I added 25 feet to it in the middle. It actually made 75/80 meters worse, as it didn't want to tune above 3.700. So I reverted back.

Any thoughts on what is happening? I seem to be stuck at 3.800. I don't know if this frequency, exactly, is telling me something? Any suggestions would be greatly appreciated!

What is the SWR at 3.8?

**********Wondering what's for Dinner Tonight? Get new twists on family favorites at AOL Food.

(http://food.aol.com/dinner-tonight?NCID=aolfod00030000000001)

[Non-text portions of this message have been removed]

4807. Re: Good Ideas for using 450 ohm ladder line?

Yahoo group: ham-antennas (2008)
Date: 2008-05-08 15:14:08 UTC
From: ke4vyn
Topic: 4798 Message: 4807

Hello Bill,
I use a ladder for legal limit talk and I hove found that a twist
Evey couple of feet will keep the 'fluttering' in the wind down.
Also the use of a air-choke is almost a necessity. And 2 feet is in
IMHO more like 6 inches.

Mileage will vary of course!

Lee
KE4VYN

--- In ham-antennas@yahoogroups.com, "staub_r" <staub_r@...> wrote:
>
> I have a couple antennas which use 450 Ohm ladder line. Does anyone
> have a good suggestion on using this line? I know you are supposed
to
> keep it 2 feet away from anything metal of any size. This makes it
> extremely difficult to mount on a roof where it must come close to
> rain gutters and such things. Also this feed line tends to catch
lots
> of wind. Any suggestions on how to keep it from distroying it's
self
> in the wind?
>
> Bill
> WB0YWO
>

4808. Re: [ham-antennas] 80 meter loop configuration Question

Yahoo group: ham-antennas (2008)
Date: 2008-05-08 16:44:04 UTC
From: Commander John
Topic: 4805 Message: 4808

Try a different tuner. Or place capacitor or inductor across the line at the read of the tuner.
john w9zy

vvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvv w9zy

Jason <jlauzer@...> wrote:
Hi All,

I'm installing a 80 meter loop at my new house and running to a problem. Hopefully someone can help out.

Here are the details:

I was wondering if I could pick your brain on the 80m loop antenna I am installing at my new house. Here are the particulars that I posted on a Yahoo Group trying to gather information:

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I thought maybe the hardware store made a mistake and my 12 gauge wire was short. So I added 25 feet to it in the middle. It actually made 75/80 meters worse, as it didn't want to tune above 3.700. So I reverted back.

Any thoughts on what is happening? I seem to be stuck at 3.800. I don't know if this frequency, exactly, is telling me something? Any suggestions would be greatly appreciated!

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 974 members (as of 11/07/07, and attachments are NOT permitted.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

W9ZY
.... Commander John ....

[Non-text portions of this message have been removed]

4809. Re: [ham-antennas] 80 meter loop configuration Question

Yahoo group: ham-antennas (2008)
Date: 2008-05-08 16:50:13 UTC
From: Commander John
Topic: 4805 Message: 4809

That is at the "rear" of the tuner
from the handbook, arrl that is.
john w9zy

vvvvvvvvvvvvvvvvvvvvvvvvvvvvv w9zy

Commander John <crazytvjohn@...> wrote:
Try a different tuner. Or place capacitor or inductor across the line at the read of the tuner.
john w9zy

vvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvv w9zy

Jason wrote:

W9ZY
.... Commander John ....

[Non-text portions of this message have been removed]

4810. Re: Half wave CB style verticals

Yahoo group: ham-antennas (2008)
Date: 2008-05-08 17:30:51 UTC
From: Chris Moore
Topic: 4790 Message: 4810

Just out of interest guys I run a Antron 99 on 20m up to 10meters. It works great I use a MFJ 993B Auti intelituner to tun it down but my FWD & REF power are very good on this bands. My Double size G5RV is no good after 20m up so the antron 99 is tops for them bands. OH SCREW THE RINGS TO THE BOTTOM..... Just in case yo have one and wish to try...

4811. Re: [ham-antennas] Re: Newbie

Yahoo group: ham-antennas (2008)
Date: 2008-05-08 18:51:09 UTC
From: DRJVM@AOL.COM
Topic: 4718 Message: 4811

In a message dated 5/7/2008 9:57:01 P.M. Eastern Standard Time, ashton.lee@... writes:

I've tried all the commercial portable antennas, and find the tuning process on all of them fussy. I like to change bands without rebuilding the antenna.

So I've gravitated toward a version of the Norcal Doublet (Google it). What I did was take a 50 foot length of speaker wire, tie a knot in it 22 feet down, and seperate the wires so that you have 2 22-foot legs. The remaining wire is your feed line. I tune this with a small QRP tuner, but you could use any type of tuner. This takes me maybe a minute to change bands.

I use a long "fishing pole" as a mast and can hang thhis as an inverted V... or I can tie a line to a rock and throw the rock over a tree branch and operate without the pole.

My signal is at least as strong as on the various commercial antennas. In fact, to expand the thought, my wire antennas nearly always outperform aluminum. The best I've ever used in the Buckmaster

This reminds me of the yo-yo vee. check out the following link:
http://www.hamradiofun.com/yo-yo-vee-model4-6.htm
(http://www.hamradiofun.com/yo-yo-vee-model4-6.htm)

Joe

**********Wondering what's for Dinner Tonight? Get new twists on family favorites at AOL Food.
(http://food.aol.com/dinner-tonight?NCID=aolfod00030000000001)

[Non-text portions of this message have been removed]

4812. Re: [ham-antennas] Half wave CB style verticals

Yahoo group: ham-antennas (2008)
Date: 2008-05-08 21:32:13 UTC
From: Wayne
Topic: 4790 Message: 4812

doing a bit of research, I find the Cushcraft Ringo was a 5/8 wave antenna, not 1/2 wave.
But is is a simple antenna. See:
<http://www.cushcraft.com/amateur/support/instruction-manuals.htm> and look at the AR10 and AR6 antennas (ten meters and six meters). they did redesign it a bit from the 11 meter version I had in the 70's. With a little ingenuity, it would not be too difficult to make a homebrew version.
Or maybe find one that you could get for little or nothing and resurrect it.
Mine had developed a high resistance leakage on the SO239 assembly. I could make a replacement of sorts for one that should work.
Easier to match than a half wave IMO. It uses a one turn coil, tapped via a rod, and the whole antenna is at ground potential, as long as the mount is grounded.

just looked in the newest HRO catalog, and they still sell the AR10 Ringo. Not sure what the price is though.

5/8 wave is just slightly longer than 1/2 wave = 4/8...

A similar antenna, though harder to make, would be a coaxial sleeve antenna. Mounting would also be harder. This uses a 1/4 wave whip and a 1/4 wave metal sleeve, fed inside the sleeve.

yesterday, I saw an antenna that I had not seen in years. Made by Avanti, I forget the model right now, but it acts similar to the coaxial sleeve.
I will do some searching later on and see if I can find a picrure of it.
They also made it in a 3 element beam configuration.
Most 11 meter antennas could be redone for 10 meters eaily enough, and maybe by adding a bit, would do for 12 meters as well...

Basic part of a 1/2 wave vertical antenna is a matching coil at the base, fed at a tap on the coil. But many made for 11 meters were using a 5/8 wave design, and maybe a few 3/4 wave.
Some of the older antenna books may have some info in them.
Not needing radials makes it easier to mount in many locations...
YMMV

Wayne WA2YNE
Imperial, Tejas

On Wed, 07 May 2008 16:18:56 -0500, Callum M0MCX <callum@mccormick.uk.com> wrote:

> Thank you for the responses - although completely inconclusive. I had a
> half-wave vertical with no ground on 11m before I was a ham. I compared
> this

> to an 11 meter 3-ele yagi that I built and the yagi normally (but not
> always) beat the vertical. I know it's quite normal to say "verticals
> without grounds don't work" however there's plenty of 2, and 70cms
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> without a ground that work very well. So careful thought is required here
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> I need to know if a) someone knows on this forum the precise matching
> circuit of these very cheap aluminium half-waves and b) what ground-wave
> experiments have taken place with them. Clearly there's a bit of a
> knowledge
> black hole here. I have a suspicion that these half-waves (driven more
> than
> a wavelength above ground) might work better than anticipated.
>
>
> Cheers,
>
>
> Callum McCormick
>
> http://www.m0mcx.co.uk/
>
>
> While others were busy thinking outside the box, I cut it up because I
> needed some cardboard for a project I was making.
>
>
> From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> On
> Behalf Of Callum M0MCX
> Sent: 06 May 2008 22:26
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] Half wave CB style verticals
>
>
> I am confused as to how those half-wave antennas (that the CBers often
> use
> at home) work.
>
> Many of them are half wave and have no ground plane. I just can't work
> out
> how they are fed?
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>
> Callum McCormick
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> <http://www.m0mcx.co.uk/> http://www.m0mcx.co.uk/

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>
> [Non-text portions of this message have been removed]
>
>
>
>
> [Non-text portions of this message have been removed]
>

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Using Opera's revolutionary e-mail client: http://www.opera.com/mail/

4813. Re: [ham-antennas] Half wave CB style verticals

Yahoo group: ham-antennas (2008)
Date: 2008-05-09 02:36:59 UTC
From: Ipe Perez
Topic: 4790 Message: 4813

Is it the Avanti Astro-plane?

http://www.rigpix.com/antennas/avanti_av101.htm

I've always liked that antenna.

Cheers!
Philip

On Fri, May 9, 2008 at 5:32 AM, Wayne <wa2yne@> wrote:
>
> yesterday, I saw an antenna that I had not seen in years. Made by Avanti,
> I forget the model right now, but it acts similar to the coaxial sleeve.
> I will do some searching later on and see if I can find a picrure of it.
> They also made it in a 3 element beam configuration.

--
The greatest achievement was at first and for a time a dream. The oak
sleeps in the acorn, the bird waits in the egg, and in the highest
vision of the soul a waking angel stirs. Dreams are the seedlings of
realities. -- James Allen

4814. Re: [ham-antennas] Re: Half wave CB style verticals

Yahoo group: ham-antennas (2008)
Date: 2008-05-09 14:17:20 UTC
From: Ken Burchfield
Topic: 4790 Message: 4814

Kerry,
I m not sure of the design of the Shakespear Big Sitck antenna, you described, will you give me an idea of the construction? Thanks.
73 Ken k5jxl@...

PacketRadio is Still Alive.....Mississippi.....145.010.....Simplex.....1200 Baud

----- Original Message ----
From: kdf9511 <kdf9511@...>
To: ham-antennas@yahoogroups.com
Sent: Thursday, May 8, 2008 8:43:16 AM
Subject: [ham-antennas] Re: Half wave CB style verticals

I have one of those old Shakespear Big Sitcks in the garage now just waiting to get on the air on 10/12 meters. That is one very good antenna. It is a 1/2 wave sleave dipole. I like that design so much that I am building a couple more of them for 2m and 70 cm out of aluminum tubing salvaged from a torn folding lawn chair. I am even thinking about trying to build one for mobile use with a tubing lower section and a stainless steel stinger for the top section to put on my motorcycle since it doesn't have a great ground plain.

If it wasn't for the size requirments I would build one each for 20m and 40m.

Kerry
KE5OFO

_

Be a better friend, newshound, and
know-it-all with Yahoo! Mobile. Try it now.
http://mobile.yahoo.com/;_ylt=Ahu06i62sR8HDtDypao8Wcj9tAcJ

[Non-text portions of this message have been removed]

4815. 450 ohm Ladderline lenght?

Yahoo group: ham-antennas (2008)
Date: 2008-05-09 19:26:28 UTC
From: Steve Hunt
Topic: 4815 Message: 4815

Hi guys,

I have another Q... this time about my Ladder line that runs from my Flattop Wire @ 55 feet hight to a 4:1 current Balun and then on 50' of 213 into my shack.

I have to move the wire antenna due to my Vertical that I put up or will put up. The Ladderline now is 100 feet in lenght and I want to extend it to apprx. 150' in lenght.

Can I extend the Ladderline without thought's? or should i extend my RG213 (which is harder to do, in my case...due to conduit work)?

Thanks for your input
best regards Steve W1CDX

4816. Re: [ham-antennas] 450 ohm Ladderline lenght?

Yahoo group: ham-antennas (2008)
Date: 2008-05-09 19:37:25 UTC
From: Chris
Topic: 4815 Message: 4816

My .02, extend the ladder line all the way to the outside wall of your shack, put the balun there and hack off all the extra coax so that the coax length to the tuner is as short as possible.

Most of your losses are incurred in your coax.

For a 135' wire, the 'magic' numbers for feed line length are multiples of 34.5' to help avoid harmonics on the ladder line.

Also, just curious, if that is a balanced feed point wire, equal lengths, why a 4:1 balun? Why not a 1:1...if in fact you are wide band tuning it with a manual tuner...sort of assuming that here.

On Fri, May 9, 2008 at 3:26 PM, Steve Hunt <HuntUSA@...> wrote:
> Hi guys,
>
> I have another Q... this time about my Ladder line that runs from my
> Flattop Wire @ 55 feet hight to a 4:1 current Balun and then on 50' of
> 213 into my shack.
>
> I have to move the wire antenna due to my Vertical that I put up or
> will put up. The Ladderline now is 100 feet in lenght and I want to
> extend it to apprx. 150' in lenght.
>
> Can I extend the Ladderline without thought's? or should i extend my
> RG213 (which is harder to do, in my case...due to conduit work)?
>
>
> Thanks for your input
> best regards Steve W1CDX
>
>
> ---
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 974 members (as of 11/07/07, and attachments are NOT permitted.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
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>

4817. Moxon antenna

Yahoo group: ham-antennas (2008)
Date: 2008-05-09 20:16:36 UTC
From: swlstation
Topic: 4817 Message: 4817

Hello,

As a new amateur with limited space, i am looking for a small antenne, i read something about a
Moxon antenne, has anyone any field experience in the same situation i am, the situation is as
follows

1 small garden aprox 13 mtr long with some buildings in the garden (garden-house)
the hous is one in a row, so not a corner .
I have a telescopic mast (height approx 6 mtrs)
At the moment i am using a hombrew inverted vee, but this one is not good enough.

So if anyone has any experience, then pleasse tell me

Tanks for reading

Ron Snijders (PD 1 ANB)

4818. Re: [ham-antennas] 80 meter loop configuration Question

Yahoo group: ham-antennas (2008)
Date: 2008-05-09 20:34:15 UTC
From: Wayne
Topic: 4805 Message: 4818

Based on what you have said, I would try removing about 10 feet of wire from the loop itself and see what you wind up with. Five feet on each side. maybe try another 10 feet if needed to get where you want.
With antennas, almost nothing is written in stone (but tons of theory on paper)...
of course, with each change, check on all bands.

Wayne WA2YNE

On Thu, 08 May 2008 09:48:02 -0500, Jason <jlauzer@...> wrote:

> Hi All,
>
> I'm installing a 80 meter loop at my new house and running to a
> problem. Hopefully someone can help out.
>
> Here are the details:
>
> I was wondering if I could pick your brain on the 80m loop antenna I
> am installing at my new house. Here are the particulars that I
> posted on a Yahoo Group trying to gather information:
> a) 272' of stranded 12 gauge wire in a relatively rectangular shape.
>
> b) Van Gorden Antenna Center Insulator connects the 12 gauge wire in a
> tree.
>
> c) 450 OHM 14GA Van Gorden Ladderline connects to my Insulator on one
> end and connects to a HI-Q 4:1 Balun on the other end.
>
> d) From the 4:1 Balun a coax run goes into my shack on a Kenwood
> TS480SAT rig. (auto tuner)
>
> I can tune just fine on 10, 15, 20, 40 meters! (even 160 and 6 meters
> tune at certain locations) Audio and SWR are perfect.
>
> However, I cannot tune any higher than 3.800 on 75/80 meters. I have
> cut down the ladder line and no change. When I cut down the ladder
> line I tuned in the other bands perfectly. Ladder line sits at about
> 93 feet in length now. I tried cutting down further and I ended up
> taking out all the bands, so I reached the limit I believe. I put back
> the last piece I cut and now back to where I was.
>
> I thought maybe the hardware store made a mistake and my 12 gauge wire
> was short. So I added 25 feet to it in the middle. It actually made
> 75/80 meters worse, as it didn't want to tune above 3.700. So I
> reverted back.

>
> Any thoughts on what is happening? I seem to be stuck at 3.800. I
> don't know if this frequency, exactly, is telling me something? Any
> suggestions would be greatly appreciated!
>

--
Using Opera's revolutionary e-mail client: http://www.opera.com/mail/

4819. Re: Moxon antenna

Yahoo group: ham-antennas (2008)
Date: 2008-05-09 21:22:42 UTC
From: vaclav_sal
Topic: 4817 Message: 4819

What frequency?
I did use Moxon on 20 meters. From my experience it was not too directional.
Used bamboo poles. I guess you could call it "horizontal loop" configuration.
I was pretty easy to build with wire,fishing line and bamboo.
I would not use aluminum tubing for the elements, it could get too heavy.

Talked with a fellow on some island and he was very happy with it - but he was "DX" and on the beach!
As soon as I am done with my "portable 20 meter quad " I'll try Moxon again and let you know how it goes under present lousy propagation.
I think it could work in vertical configuration also.

73 Vaclav AA7EJ

4820. Re: [ham-antennas] Half wave CB style verticals

Yahoo group: ham-antennas (2008)
Date: 2008-05-10 04:48:01 UTC
From: Wayne
Topic: 4790 Message: 4820

yes, that's it exactly. Matter of fact, while looking at antennas online earlier, i found that same picture.
they also made a 3 element beam with the Astro Plane as the driven element.
Anyway, it was a fairly decent antenna, just required a bit more mast that some antennas of the day.

Wayne WA2YNE

On Thu, 08 May 2008 21:36:59 -0500, Ipe Perez <ipeperez@...> wrote:

> Is it the Avanti Astro-plane?
>
> http://www.rigpix.com/antennas/avanti_av101.htm
>
> I've always liked that antenna.
>
> Cheers!
> Philip
>
> On Fri, May 9, 2008 at 5:32 AM, Wayne <wa2yne@> wrote:
>>
>> yesterday, I saw an antenna that I had not seen in years. Made by
>> Avanti,
>> I forget the model right now, but it acts similar to the coaxial sleeve.
>> I will do some searching later on and see if I can find a picrure of
>> it.
>> They also made it in a 3 element beam configuration.
>

--
Using Opera's revolutionary e-mail client: http://www.opera.com/mail/

4821. Re: 450 ohm Ladderline lenght?

Yahoo group: ham-antennas (2008)
Date: 2008-05-10 09:31:07 UTC
From: Steve Hunt
Topic: 4815 Message: 4821

Hi Chris, and thanks for input

yes this is a balanced line and Joe who builds these "Cobras"
recommends a 4:1 Balun.

These are btw exceptionaly good Antenna's (see www.k1jek.com)

73 all
Steve, W1CDX
--- In ham-antennas@yahoogroups.com, Chris <kingsqueak@...> wrote:
>
> My .02, extend the ladder line all the way to the outside wall of
your
> shack, put the balun there and hack off all the extra coax so that
the
> coax length to the tuner is as short as possible.
>
> Most of your losses are incurred in your coax.
>
> For a 135' wire, the 'magic' numbers for feed line length are
> multiples of 34.5' to help avoid harmonics on the ladder line.
>
> Also, just curious, if that is a balanced feed point wire, equal
> lengths, why a 4:1 balun? Why not a 1:1...if in fact you are wide
> band tuning it with a manual tuner...sort of assuming that here.
>
> On Fri, May 9, 2008 at 3:26 PM, Steve Hunt <HuntUSA@...> wrote:
> > Hi guys,
> >
> > I have another Q... this time about my Ladder line that runs from
my
> > Flattop Wire @ 55 feet hight to a 4:1 current Balun and then on
50' of
> > 213 into my shack.
> >
> > I have to move the wire antenna due to my Vertical that I put up
or
> > will put up. The Ladderline now is 100 feet in lenght and I want
to
> > extend it to apprx. 150' in lenght.
> >
> > Can I extend the Ladderline without thought's? or should i extend
my
> > RG213 (which is harder to do, in my case...due to conduit work)?
> >
> >

> > Thanks for your input
> > best regards Steve W1CDX
> >
> >
> > ----------
> >
> > HAM ANTENNAS Anything and everything, tell us or ask questions.
Replies go to ALL 974 members (as of 11/07/07, and attachments are
NOT permitted.
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4822. Re: Half wave CB style verticals

Yahoo group: ham-antennas (2008)
Date: 2008-05-10 14:44:30 UTC
From: Keith
Topic: 4790 Message: 4822

The beam version was a 3 element called an Astrobeam.
It had tight little nulls on the back that could block out just about anything.
I had one in the 70's and it was a great little beam.
I was accused of ghost talking many times because I could hear and talk to barefoot mobiles 50-60 miles away on my stock 5 watt Realistic Mini 23, the other stations couldn't hear them.
The mast is a working part of the design so it doesn't interfere with the function of the antenna.

I'm talking on an original Avanti Astro-Plane now being my DC ground version of the Sigma was blown down in the storm.
The 5/8 wave works better than the Astro-Plane.

Keith

--- In ham-antennas@yahoogroups.com, Wayne <wa2yne@...> wrote:
>
> yes, that's it exactly. Matter of fact, while looking at antennas online
> earlier, i found that same picture.
> they also made a 3 element beam with the Astro Plane as the driven
> element.
> Anyway, it was a fairly decent antenna, just required a bit more mast
> that some antennas of the day.
>
> Wayne WA2YNE
>
>
> On Thu, 08 May 2008 21:36:59 -0500, Ipe Perez <ipeperez@...> wrote:
>
> > Is it the Avanti Astro-plane?
> >
> > http://www.rigpix.com/antennas/avanti_av101.htm
> >
> > I've always liked that antenna.
> >
> > Cheers!
> > Philip
> >
> > On Fri, May 9, 2008 at 5:32 AM, Wayne <wa2yne@> wrote:
> >>
> >> yesterday, I saw an antenna that I had not seen in years. Made by

> >> Avanti,
> >> I forget the model right now, but it acts similar to the coaxial
sleeve.
> >> I will do some searching later on and see if I can find a
picrure of
> >> it.
> >> They also made it in a 3 element beam configuration.
> >
>
>
>
> --
> Using Opera's revolutionary e-mail client:
http://www.opera.com/mail/
>

4823. Re: 450 ohm Ladderline lenght?

Yahoo group: ham-antennas (2008)
Date: 2008-05-10 14:49:13 UTC
From: vaclav_sal
Topic: 4815 Message: 4823

Could somebody please give some NEC data on this antenna?
It seems these "popular" "folded over" "antennas" need some theoretical backing.
Just keeping with the old timers - anything will radiate, but how efficiently - that is the question.

Vaclav AA7EJ

PS Back to building a quad!

4824. Re: [ham-antennas] Re: 450 ohm Ladderline lenght?

Yahoo group: ham-antennas (2008)
Date: 2008-05-10 17:43:54 UTC
From: Chris
Topic: 4815 Message: 4824

A lot of people like them, they definitely intrigued me and I was considering making one of the cobra types and I found this information.

http://www.vk1od.net/cobra/index.htm

Basically, yes they work. Are they a miracle antenna? No. Are they an ideal over a resonant dipole? No. But they have a convenience factor to them similar to a Carolina Windom for all band use with an auto tuner.

On Sat, May 10, 2008 at 10:49 AM, vaclav_sal <vaclav_sal@...> wrote:
> Could somebody please give some NEC data on this antenna?
> It seems these "popular" "folded over" "antennas" need some theoretical
> backing.
> Just keeping with the old timers - anything will radiate, but how
> efficiently - that is the question.
>
> Vaclav AA7EJ
>
> PS Back to building a quad!
>
>
>
>
> ---
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 974 members (as of 11/07/07, and attachments are NOT permitted.
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> Yahoo! Groups Links
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>

4825. Conversion: TH3

Yahoo group: ham-antennas (2008)
Date: 2008-05-10 19:30:27 UTC
From: N0ATH
Topic: 4825 Message: 4825

Hello Gentlemen; I have a HyGain TH3 that is about to be replaced with a 204 BA - I am wondering if there is any info on converting the TH3 to operate on either 10/15/17 or 10/12/15 - I guess 12/15/17 or 10/12/17 - I want to be able to use it on a smaller 2nd tower and obviously wish to cover as many bands as possible - Thanks for any suggestions in advance.
N?ATH / Dave 73

4826. Ladderline feeding 6BTV

Yahoo group: ham-antennas (2008)
Date: 2008-05-11 00:46:49 UTC
From: Donal
Topic: 4826 Message: 4826

Please don't laugh... I'm new to messing with HF antennas and I really appreciate the help I've got from this group to now.

So I was wondering if it would be better to feed my 6BTV with some recycled ladderline salvaged from a G5RV (I know the feedline is in good condition as it was only installed for two weeks... one of the legs was damaged, so the antenna was replaced) I plan on running a shorter length of coax from the SO239 fitted to the ladderline? Would there be any benefits making this a worthy upgrade? Like less loss.

I'd appreciate any advice and once again much thanks for all the help and advice from the group to this point.

73 & Good DX
Danny - MI3DBB

4827. Re: [ham-antennas] Ladderline feeding 6BTV

Yahoo group: ham-antennas (2008)
Date: 2008-05-11 00:53:57 UTC
From: Dan Schaaf
Topic: 4826 Message: 4827

Ladder line is 300 or 450 ohm. I will bet that your BTV wants 50 ohm coax. If my assumption is true, you may have SWR problems by using ladder line..

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com "In the Beginning, there was Spark Gap"

----- Original Message -----
From: Donal
To: ham-antennas@yahoogroups.com
Sent: Saturday, May 10, 2008 8:46 PM
Subject: [ham-antennas] Ladderline feeding 6BTV

Please don't laugh... I'm new to messing with HF antennas and I really appreciate the help I've got from this group to now.

So I was wondering if it would be better to feed my 6BTV with some recycled ladderline salvaged from a G5RV (I know the feedline is in good condition as it was only installed for two weeks... one of the legs was damaged, so the antenna was replaced) I plan on running a shorter length of coax from the SO239 fitted to the ladderline? Would there be any benefits making this a worthy upgrade? Like less loss.

I'd appreciate any advice and once again much thanks for all the help and advice from the group to this point.

73 & Good DX
Danny - MI3DBB

[Non-text portions of this message have been removed]

4828. Re: Ladderline feeding 6BTV

Yahoo group: ham-antennas (2008)
Date: 2008-05-11 01:03:32 UTC
From: Donal
Topic: 4826 Message: 4828

"Dan Schaaf" <dan-schaaf@...> wrote:

Ladder line is 300 or 450 ohm. I will bet that your BTV wants 50 ohm
coax. If my assumption is true, you may have SWR problems by using
ladder line..

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com "In the Beginning, there was Spark Gap"

Thanks a lot Dan I really appreciate that information.

Good luck
Danny - MI3DBB

4829. Re: [ham-antennas] Re: Ladderline feeding 6BTV

Yahoo group: ham-antennas (2008)
Date: 2008-05-11 02:33:48 UTC
From: Commander John
Topic: 4826 Message: 4829

Use of real open wire line, not ladder line or window line[anything covered with plastic] makes sense if you have a very long run to make[well over 100 feet]. Its use is shown in the older handbooks. a balun is required at each end to convert to 50 ohm coax . Otherwise use coax.
john w9zy

vvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvv w9zy

W9ZY
.... Commander John ....

[Non-text portions of this message have been removed]

4830. Antenna Mast

Yahoo group: ham-antennas (2008)
Date: 2008-05-11 16:37:09 UTC
From: wv2c
Topic: 4830 Message: 4830

Hi All
Getting all the pieces together for my TGM MQ26 SR antenna project.
Q- What is the best, meaning light and strong, that will not rust
product to use for a 5' + 5' mast?
Any suggestions and where to get it?
THANKS
Tony

73
WV2C

4831. Mobile HF antennas and related items FS

Yahoo group: ham-antennas (2008)
Date: 2008-05-11 17:11:28 UTC
From: Ken Simpson, W8EK
Topic: 4831 Message: 4831

Mobile HF antennas and antenna related items for sale:

Outbacker Perth HF Mobile antenna
The PERTH antenna covers 80-75-40-30-20-17-15-12-10m,
which means all of the HF bands, including the WARC bands.
The length is about 7 feet long (fully extended) with a 3 foot tip.
The Outbacker is constructed of fiberglass with pre-tuned copper
helical windings and covered with smooth epoxy-resin and a
coating of polyurethane for strength, and durability. The mounting
ferrule is nickel-plated brass with industry standard 3/8x24 threads.
Frequency coverage is broadband but the top of the antenna is
adjustable which allows tuning for the lowest possible VSWR even
on 75 meters and 10 meters. Tap points are clearly engraved for
each band. Changing bands is accomplished manually by plugging
the exclusive Outbacker "Wander Lead" into the proper tap.
The Outbacker antennas have a beautiful, shiny black finish.
This antenna works well and is in good shape. Included is a
package of "Penetrox" which should be used on the "Wander
Lead" to prevent corrosion, and make good contact. $250

Hamstick HF mobile antennas:

These are the original honest to goodness Hamsticks,
made by Lakeview, and are not one of the clones.

Each antenna, when fully assembled and tuned, is about
7 feet long, in a slim design that does not catch much wind.
Each has a 3/8 inch, 24 thread stud on the base, so they
fit a standard ball mount.

Two are available -- one for 20 meters and one for 40 meters.

These antennas are new, still in their original package, unused.

They are $30 each.

Hustler mobile antennas:

All work fine and are in good mechanical condition.

"Standard" Hustler resonators:
40 meter resonator RM-40 $17
20 meter resonator RM-20 $15
15 meter resonator RM-15 $14
10 meter resonator RM-10 $12

Hustler mobile masts:
MO-2 (folds about 27 inches above ball) $22

MO-1 mast that has a start of a split where it folds
.....over. It can be used as an MO-3 (non tilt mast)
.....or needs care when tilting. $ 15

RSS-2, Stainless steel resonator spring $10

MFJ 902 "Travel Tuner"
This HF tuner is small and compact, and is made to be
used with some of the new, small compact rigs, such as
the Icom 706, Yaesu FT-100, Kenwood TS-50, etc.,
although it will work fine with a larger fixed station rig.
It is designed for 80 thru 10 meter operation, and will
handle 150 watts.
It has provisions to bypass the tuner, if you so desire.
This particular unit works fine, and looks very close to new.
It is in its original box, with paper work. $65

Wattmeter/SWR Bridges:

Micronta 21-520 A wattmeter with large dual meters
This meter is designed primarily for HF operation, although
it still functions well on 6 and 2 meters. It has SO-239
connectors, and is designed for 52 ohm antenna systems.
This wattmeter has full scale power readings of 10, 100, and
1000 watts. LARGE dual meters -- one reads forward power
and one reads reflected power -- both at the same time.
It has a remote sensor, with about 3 feet of cable to connect
to the meter itself.
This particular meter works fine, and looks very, very nice.
I can not find a scratch on it. It is still in its original box. $55

Diamond SX-100 Wattmeter / SWR Bridge
This meter has scales of 30 W, 300 W, and 3000 W.
It is for use from 1.6 thru 60 MHz, so is ideal for some
of the modern HF rigs that include 6 meters on them.
It has a fairly large meter that can be backlit if 12 V DC is
applied. It will also read either peak or average power,
and even includes an off switch.
This particular meter works fine, and looks like new.
Not a scratch on it. It is in its original plastic in the
original box, with paper work for $90.

Radio Works T-6 VHF Isolator
This unit is designed for VHF frequencies, and provides
isolation to keep RF where it belongs, and out of your
shack. The purpose of this device is to "decouple" the
feedline from all of the things in your shack, so that the
RF would not get in places it did not beyond. To put it
another way, this device might help keep RF out of your
computer, as an example.
This one is out of the package, but has never been on
the air. $30

Coax connectors and adapters:
Prices are per connector. Several of each are available.
These are NOS (have not been used).

BNC male
standard type - $2
crimp on type - $3

Chassis mount BNC female
square mount (uses 4 screws) - $3
screw in type - $4

BNC 90 degree - female to male - $3

BNC "T" - two female and one male - $4

Antenna adapter to fit the BNC connector on the HT
and provide an SO-239 connector that will permit
a PL-259 to be attached. (BNC male to UHF female) $5

UHF Male (PL-259) to BNC female (opposite of above) $5

UHF double female "Barrel connector" (two SO-239 together) $3

UHF "T" connector with two female (SO-239) and one male
(PL-259) connection - $5

Prices do not include shipping from Florida.

Thanks.

73,

Ken, W8EK

Ken Simpson
E-mail to W8EK@... or W8EK@...
Voice Phone (352) 732-8400

4832. RE: [ham-antennas] Half wave CB style verticals

Yahoo group: ham-antennas (2008)
Date: 2008-05-11 18:14:59 UTC
From: Callum M0MCX
Topic: 4790 Message: 4832

>>> Basic part of a 1/2 wave vertical antenna is a matching coil at the base

This is what I'm after. Not a centre-fed vertical but a genuine half-wave
(or 5/8th) with the coil assembly.

I wonder how to model this / make one? My antenna books don't mention them.

Callum McCormick
http://www.m0mcx.co.uk/

While others were busy thinking outside the box, I cut it up because I
needed some cardboard for a project I was making.

-----Original Message-----
From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On
Behalf Of Wayne
Sent: 08 May 2008 22:32
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Half wave CB style verticals

doing a bit of research, I find the Cushcraft Ringo was a 5/8 wave
antenna, not 1/2 wave.
But is is a simple antenna. See:
<http://www.cushcraft.com/amateur/support/instruction-manuals.htm> and
look at the AR10 and AR6 antennas (ten meters and six meters). they did
redesign it a bit from the 11 meter version I had in the 70's. With a
little ingenuity, it would not be too difficult to make a homebrew version.
Or maybe find one that you could get for little or nothing and resurrect
it.
Mine had developed a high resistance leakage on the SO239 assembly. I
could make a replacement of sorts for one that should work.
Easier to match than a half wave IMO. It uses a one turn coil, tapped via

a rod, and the whole antenna is at ground potential, as long as the mount
is grounded.

just looked in the newest HRO catalog, and they still sell the AR10
Ringo. Not sure what the price is though.

5/8 wave is just slightly longer than 1/2 wave = 4/8...

A similar antenna, though harder to make, would be a coaxial sleeve
antenna. Mounting would also be harder. This uses a 1/4 wave whip and a
1/4 wave metal sleeve, fed inside the sleeve.

yesterday, I saw an antenna that I had not seen in years. Made by Avanti,

I forget the model right now, but it acts similar to the coaxial sleeve.
I will do some searching later on and see if I can find a picrure of it.
They also made it in a 3 element beam configuration.
Most 11 meter antennas could be redone for 10 meters eaily enough, and
maybe by adding a bit, would do for 12 meters as well...

Basic part of a 1/2 wave vertical antenna is a matching coil at the base,

fed at a tap on the coil. But many made for 11 meters were using a 5/8
wave design, and maybe a few 3/4 wave.
Some of the older antenna books may have some info in them.
Not needing radials makes it easier to mount in many locations...
YMMV

Wayne WA2YNE
Imperial, Tejas

On Wed, 07 May 2008 16:18:56 -0500, Callum M0MCX <callum@...>
wrote:

> Thank you for the responses - although completely inconclusive. I had a
> half-wave vertical with no ground on 11m before I was a ham. I compared
> this
> to an 11 meter 3-ele yagi that I built and the yagi normally (but not
> always) beat the vertical. I know it's quite normal to say "verticals
> without grounds don't work" however there's plenty of 2, and 70cms
> antennas
> without a ground that work very well. So careful thought is required here
> before shouting from the rooftops.
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> I need to know if a) someone knows on this forum the precise matching
> circuit of these very cheap aluminium half-waves and b) what ground-wave
> experiments have taken place with them. Clearly there's a bit of a
> knowledge
> black hole here. I have a suspicion that these half-waves (driven more
> than
> a wavelength above ground) might work better than anticipated.
>
>
> Cheers,
>
>
> Callum McCormick
>
> http://www.m0mcx.co.uk/
>
>
> While others were busy thinking outside the box, I cut it up because I
> needed some cardboard for a project I was making.
>
>

> From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> On
> Behalf Of Callum M0MCX
> Sent: 06 May 2008 22:26
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] Half wave CB style verticals
>
>
> I am confused as to how those half-wave antennas (that the CBers often
> use
> at home) work.
>
> Many of them are half wave and have no ground plane. I just can't work
> out
> how they are fed?
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> Anyone..?
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> Callum McCormick
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> <http://www.m0mcx.co.uk/> http://www.m0mcx.co.uk/
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> needed some cardboard for a project I was making.
>
> [Non-text portions of this message have been removed]
>
>
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>
> [Non-text portions of this message have been removed]
>

--
Using Opera's revolutionary e-mail client: http://www.opera.com/mail/

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
to ALL 974 members (as of 11/07/07, and attachments are NOT permitted.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

4833. Re: [ham-antennas] Antenna Mast

Yahoo group: ham-antennas (2008)
Date: 2008-05-11 18:45:26 UTC
From: Phil Bader
Topic: 4830 Message: 4833

You might go to the Lowes or Home Depot paint dept. and look at the paint poles. They are telescopic, range from 5 ft colapsed to maybe 20 feet or more. Fibergalss usually.
http://www.lowes.com/lowes/lkn?action=productList&N=0&Ntk=i_products&Ntt=paint%20poles
Phil B
Philip Bader
pbader@...
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakelandarc.org/
Currently: Polk County School Board Electronics
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006

----- Original Message -----
From: wv2c
To: ham-antennas@yahoogroups.com
Sent: Sunday, May 11, 2008 12:37 PM
Subject: [ham-antennas] Antenna Mast

Hi All
Getting all the pieces together for my TGM MQ26 SR antenna project.
Q- What is the best, meaning light and strong, that will not rust
product to use for a 5' + 5' mast?
Any suggestions and where to get it?
THANKS
Tony

73
WV2C

No virus found in this incoming message.
Checked by AVG.
Version: 7.5.524 / Virus Database: 269.23.15/1426 - Release Date: 5/10/2008 11:12 AM

[Non-text portions of this message have been removed]

4834. Re: [ham-antennas] Half wave CB style verticals

Yahoo group: ham-antennas (2008)
Date: 2008-05-11 18:50:45 UTC
From: Phil Bader
Topic: 4790 Message: 4834

Did you notice in my response earlier the two links?
http://www.firecommunications.com/images/a99schem.gif
http://www.firecommunications.com/patents/antron99/
Very informative.
Best,
PB
Philip Bader
pbader@...
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakelandarc.org/
Currently: Polk County School Board Electronics
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006

----- Original Message -----
From: Callum M0MCX
To: ham-antennas@yahoogroups.com
Sent: Sunday, May 11, 2008 2:14 PM
Subject: RE: [ham-antennas] Half wave CB style verticals

>>> Basic part of a 1/2 wave vertical antenna is a matching coil at the base

This is what I'm after. Not a centre-fed vertical but a genuine half-wave
(or 5/8th) with the coil assembly.

I wonder how to model this / make one? My antenna books don't mention them.

Callum McCormick
http://www.m0mcx.co.uk/

While others were busy thinking outside the box, I cut it up because I
needed some cardboard for a project I was making.

-----Original Message-----
From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On
Behalf Of Wayne
Sent: 08 May 2008 22:32
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Half wave CB style verticals

doing a bit of research, I find the Cushcraft Ringo was a 5/8 wave
antenna, not 1/2 wave.
But is is a simple antenna. See:
<http://www.cushcraft.com/amateur/support/instruction-manuals.htm> and
look at the AR10 and AR6 antennas (ten meters and six meters). they did
redesign it a bit from the 11 meter version I had in the 70's. With a
little ingenuity, it would not be too difficult to make a homebrew version.

Or maybe find one that you could get for little or nothing and resurrect
it.
Mine had developed a high resistance leakage on the SO239 assembly. I
could make a replacement of sorts for one that should work.
Easier to match than a half wave IMO. It uses a one turn coil, tapped via

a rod, and the whole antenna is at ground potential, as long as the mount
is grounded.

just looked in the newest HRO catalog, and they still sell the AR10
Ringo. Not sure what the price is though.

5/8 wave is just slightly longer than 1/2 wave = 4/8...

A similar antenna, though harder to make, would be a coaxial sleeve
antenna. Mounting would also be harder. This uses a 1/4 wave whip and a
1/4 wave metal sleeve, fed inside the sleeve.

yesterday, I saw an antenna that I had not seen in years. Made by Avanti,

I forget the model right now, but it acts similar to the coaxial sleeve.
I will do some searching later on and see if I can find a picrure of it.
They also made it in a 3 element beam configuration.
Most 11 meter antennas could be redone for 10 meters eaily enough, and
maybe by adding a bit, would do for 12 meters as well...

Basic part of a 1/2 wave vertical antenna is a matching coil at the base,

fed at a tap on the coil. But many made for 11 meters were using a 5/8
wave design, and maybe a few 3/4 wave.
Some of the older antenna books may have some info in them.
Not needing radials makes it easier to mount in many locations...
YMMV

Wayne WA2YNE
Imperial, Tejas

On Wed, 07 May 2008 16:18:56 -0500, Callum M0MCX <callum@...>
wrote:

> Thank you for the responses - although completely inconclusive. I had a
> half-wave vertical with no ground on 11m before I was a ham. I compared
> this
> to an 11 meter 3-ele yagi that I built and the yagi normally (but not
> always) beat the vertical. I know it's quite normal to say "verticals
> without grounds don't work" however there's plenty of 2, and 70cms
> antennas
> without a ground that work very well. So careful thought is required here
> before shouting from the rooftops.
>
>
> I need to know if a) someone knows on this forum the precise matching
> circuit of these very cheap aluminium half-waves and b) what ground-wave

> experiments have taken place with them. Clearly there's a bit of a
> knowledge
> black hole here. I have a suspicion that these half-waves (driven more
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> a wavelength above ground) might work better than anticipated.
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> Cheers,
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> Callum McCormick
>
> http://www.m0mcx.co.uk/
>
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> While others were busy thinking outside the box, I cut it up because I
> needed some cardboard for a project I was making.
>
>
> From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> On
> Behalf Of Callum M0MCX
> Sent: 06 May 2008 22:26
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] Half wave CB style verticals
>
>
> I am confused as to how those half-wave antennas (that the CBers often
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> at home) work.
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> Many of them are half wave and have no ground plane. I just can't work
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>
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> [Non-text portions of this message have been removed]

>

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HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
to ALL 974 members (as of 11/07/07, and attachments are NOT permitted.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

No virus found in this incoming message.
Checked by AVG.
Version: 7.5.524 / Virus Database: 269.23.15/1426 - Release Date: 5/10/2008 11:12 AM

[Non-text portions of this message have been removed]

4835. Re: [ham-antennas] Half wave CB style verticals

Yahoo group: ham-antennas (2008)
Date: 2008-05-11 19:59:04 UTC
From: Ken Burchfield
Topic: 4790 Message: 4835

More links of interest?? on 1/2 and 5/8 end fed antennas
73 Ken
http://www.g4nsj.co.uk/58wave.shtml
http://www.video-observer.com/imax/imax2000.htm

http://www.n1wpn.net/antron_99_exposed.htm

http://www.qsl.net/w4sat/five8th.htm

PacketRadio is Still Alive.....Mississippi.....145.010.....Simplex.....1200 Baud

----- Original Message ----
From: Phil Bader <PBADER@...>
To: ham-antennas@yahoogroups.com
Sent: Sunday, May 11, 2008 12:50:45 PM
Subject: Re: [ham-antennas] Half wave CB style verticals

Did you notice in my response earlier the two links?
http://www.firecomm unications. com/images/ a99schem. gif
http://www.firecomm unications. com/patents/ antron99/
Very informative.
Best,
PB
Philip Bader
pbader@tampabay. rr.com
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakeland arc.org/
Currently: Polk County School Board Electronics
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006

----- Original Message -----
From: Callum M0MCX
To: ham-antennas@ yahoogroups. com
Sent: Sunday, May 11, 2008 2:14 PM
Subject: RE: [ham-antennas] Half wave CB style verticals

>>> Basic part of a 1/2 wave vertical antenna is a matching coil at the base

This is what I'm after. Not a centre-fed vertical but a genuine half-wave
(or 5/8th) with the coil assembly.

I wonder how to model this / make one? My antenna books don't mention them.

Callum McCormick
http://www.m0mcx. co.uk/

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http://mobile.yahoo.com/;_ylt=Ahu06i62sR8HDtDypao8Wcj9tAcJ

[Non-text portions of this message have been removed]

4836. Re: [ham-antennas] Half wave CB style verticals

Yahoo group: ham-antennas (2008)
Date: 2008-05-12 01:42:42 UTC
From: Phil Bader
Topic: 4790 Message: 4836

Extremely informative. Good links. (Antron99 -what a shock- Solorcon bought out Antron,tho))
PB
Philip Bader
pbader@...
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakelandarc.org/
Currently: Polk County School Board Electronics
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006

----- Original Message -----
From: Ken Burchfield
To: ham-antennas@yahoogroups.com
Sent: Sunday, May 11, 2008 3:59 PM
Subject: Re: [ham-antennas] Half wave CB style verticals

More links of interest?? on 1/2 and 5/8 end fed antennas
73 Ken
http://www.g4nsj.co.uk/58wave.shtml
http://www.video-observer.com/imax/imax2000.htm

http://www.n1wpn.net/antron_99_exposed.htm

http://www.qsl.net/w4sat/five8th.htm

PacketRadio is Still Alive.....Mississippi.....145.010.....Simplex.....1200 Baud

----- Original Message ----
From: Phil Bader <PBADER@...>
To: ham-antennas@yahoogroups.com
Sent: Sunday, May 11, 2008 12:50:45 PM
Subject: Re: [ham-antennas] Half wave CB style verticals

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http://www.firecomm unications. com/images/ a99schem. gif
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Very informative.
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Philip Bader
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http://www.lakeland arc.org/
Currently: Polk County School Board Electronics
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006

----- Original Message -----
From: Callum M0MCX
To: ham-antennas@ yahoogroups. com
Sent: Sunday, May 11, 2008 2:14 PM
Subject: RE: [ham-antennas] Half wave CB style verticals

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I wonder how to model this / make one? My antenna books don't mention them.

Callum McCormick
http://www.m0mcx. co.uk/

_____
Be a better friend, newshound, and
know-it-all with Yahoo! Mobile. Try it now.
http://mobile.yahoo.com/;_ylt=Ahu06i62sR8HDtDypao8Wcj9tAcJ

[Non-text portions of this message have been removed]

No virus found in this incoming message.
Checked by AVG.
Version: 7.5.524 / Virus Database: 269.23.15/1426 - Release Date: 5/10/2008 11:12 AM

[Non-text portions of this message have been removed]

4837. RE: [ham-antennas] Antenna Mast

Yahoo group: ham-antennas (2008)
Date: 2008-05-12 03:52:47 UTC
From: James Fogg
Topic: 4830 Message: 4837

Search ebay for "military antenna mast". These are 4 foot tall sectional army surplus mast assemblies that were used for wire and a variety of other antennas, and frequently used as tent poles, netting supports and more. They come in fiberglass and aluminum. If you choose fiberglass and want it to be permanent you'll have to paint it with epoxy paint for UV resistance.

I have an aluminum version built to 40 feet. It worked very well and I was able to raise it by myself (if alone, some ingenuity is required since it's guyed every 15 feet). If you raise it alone you'll need to build a "crane" from an 8 foot 2X4.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
On Behalf Of wv2c
Sent: Sunday, May 11, 2008 12:37 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Antenna Mast

Hi All
Getting all the pieces together for my TGM MQ26 SR antenna project.
Q- What is the best, meaning light and strong, that will not rust product to use for a 5' + 5' mast?
Any suggestions and where to get it?
THANKS
Tony

73
WV2C

[Non-text portions of this message have been removed]

4838. RE: [ham-antennas] Antenna Mast

Yahoo group: ham-antennas (2008)
Date: 2008-05-12 04:18:29 UTC
From: James M.(Jim) Geidl
Topic: 4830 Message: 4838

I have used a lot of this stuff and absolutely love it. I get mine from
www.tmastco.com
K4tmc@...
Henry Pollock
P.O. Box 1932
Raleigh, NC 27602-1932

Jim, K6JMG
//

> [mailto:ham-antennas@yahoogroups.com] On Behalf Of James Fogg
> Sent: Sunday, May 11, 2008 8:53 PM
> To: ham-antennas@yahoogroups.com
> Subject: RE: [ham-antennas] Antenna Mast
>
> Search ebay for "military antenna mast". These are 4 foot
> tall sectional army surplus mast assemblies that were used
> for wire and a variety of other antennas, and frequently used
> as tent poles, netting supports and more. They come in
> fiberglass and aluminum. If you choose fiberglass and want it
> to be permanent you'll have to paint it with epoxy paint for
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>
>
>
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> well and I was able to raise it by myself (if alone, some
> ingenuity is required since it's guyed every 15 feet). If you
> raise it alone you'll need to build a "crane" from an 8 foot 2X4.

4839. Re: Ladderline feeding 6BTV

Yahoo group: ham-antennas (2008)
Date: 2008-05-12 07:18:21 UTC
From: comtinker
Topic: 4826 Message: 4839

This may be slightly off topic but has anyone tried using RG6 75ohm line to feed a 5BTV, or any other 50ohm input antenna? I have been thinking of trying it but would like some thoughts from others.

Thanks
Scott

--- In ham-antennas@yahoogroups.com, Commander John <crazytvjohn@...> wrote:
>
> Use of real open wire line, not ladder line or window line [anything covered with plastic] makes sense if you have a very long run to make[well over 100 feet]. Its use is shown in the older handbooks. a balun is required at each end to convert to 50 ohm coax . Otherwise use coax.
> john w9zy
>
>
> vvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvv w9zy
>
>
>
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>
> W9ZY
> .... Commander John ....
>
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> [Non-text portions of this message have been removed]
>

4840. Re: [ham-antennas] Re: Ladderline feeding 6BTV

Yahoo group: ham-antennas (2008)
Date: 2008-05-12 12:22:19 UTC
From: W8OKN
Topic: 4826 Message: 4840

The only thought I have is that when you have an efficient vertical, the impedance is 35 ohms... correct?

So there would be a larger difference from 75 to 35, as opposed to 75 to 35.

W8OKN

On Mon, May 12, 2008 at 3:18 AM, comtinker <sgweb@...> wrote:

> This may be slightly off topic but has anyone tried using RG6
> 75ohm line to feed a 5BTV, or any other 50ohm input antenna? I have
> been thinking of trying it but would like some thoughts from others.
>
> Thanks
> Scott
>
> --- In ham-antennas@yahoogroups.com <ham-antennas%40yahoogroups.com>,
> Commander John
> <crazytvjohn@...> wrote:
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> > W9ZY
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> > [Non-text portions of this message have been removed]
> >
>
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>

--
Sean
W8OKN

[Non-text portions of this message have been removed]

4841. Re: [ham-antennas] Re: Ladderline feeding 6BTV

Yahoo group: ham-antennas (2008)
Date: 2008-05-12 14:11:08 UTC
From: danny garvin
Topic: 4826 Message: 4841

I have had a lot of success using RG/6 & RG/11 for dipoles since they are typically 72 to 75 ohms. I used RG/11 to feed a 1/4 wave vertical a year or so back and the lowest SWR I could achieve without a tuner was 1.5-1 which is what should be expected using 75ohm cable to feed a 50 antenna. Being in the cable industry I have rescued more than my share of partial reels of RG/11& RG/6 from the dumpster :).
73's
Danny WB9RIM

----- Original Message ----
From: comtinker <sgweb@...>
To: ham-antennas@yahoogroups.com
Sent: Monday, May 12, 2008 2:18:21 AM
Subject: [ham-antennas] Re: Ladderline feeding 6BTV

This may be slightly off topic but has anyone tried using RG6
75ohm line to feed a 5BTV, or any other 50ohm input antenna? I have
been thinking of trying it but would like some thoughts from others.

Thanks
Scott

--- In ham-antennas@ yahoogroups. com, Commander John
<crazytvjohn@ ...> wrote:
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> [Non-text portions of this message have been removed]
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[Non-text portions of this message have been removed]

4842. RG/11& RG/6

Yahoo group: ham-antennas (2008)
Date: 2008-05-12 14:48:53 UTC
From: Rich Schmuke
Topic: 4826 Message: 4842

WB8RIM brings up a good point on saving from the dumpster. I bought, at a small town Friday night local auction, a 500 ft roll of RG-11 type 75 ohm and some RG6 single and double. All three rolls for 3 dollars. The RG-11 has a copper-weld center conductor. Made a stripping block , and I use the 14ga copper-weld for antenna work. The farm boys did not know what to do with it so I got the coax for a dollar a roll. The RG-6 is used for stub filters for field day with the local club.

KD0ZZ , Rich

I am not getting older but having a propagation problem with the neurons in the grey matter.

Any errors in spelling or facts are tramsmission errors

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of danny garvin
Sent: Monday, May 12, 2008 9:11 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: Ladderline feeding 6BTV

I have had a lot of success using RG/6 & RG/11 for dipoles since they are typically 72 to 75 ohms. I used RG/11 to feed a 1/4 wave vertical a year or so back and the lowest SWR I could achieve without a tuner was 1.5-1 which is what should be expected using 75ohm cable to feed a 50 antenna. Being in the cable industry I have rescued more than my share of partial reels of RG/11& RG/6 from the dumpster :).
73's
Danny WB9RIM

----- Original Message ----
From: comtinker <sgweb@... <mailto:sgweb%40frontiernet.net> >
To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
Sent: Monday, May 12, 2008 2:18:21 AM
Subject: [ham-antennas] Re: Ladderline feeding 6BTV

This may be slightly off topic but has anyone tried using RG6 75ohm line to feed a 5BTV, or any other 50ohm input antenna? I have been thinking of trying it but would like some thoughts from others.

Thanks
Scott

--- In ham-antennas@ yahoogroups. com, Commander John <crazytvjohn@ ...> wrote:
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[anything covered with plastic] makes sense if you have a very long run to make[well over 100 feet]. Its use is shown in the older handbooks. a balun is required at each end to convert to 50 ohm coax . Otherwise use coax.

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> W9ZY
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> [Non-text portions of this message have been removed]
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[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

4843. Re: [ham-antennas] Re: Ladderline feeding 6BTV

Yahoo group: ham-antennas (2008)
Date: 2008-05-12 14:49:33 UTC
From: w8okn@charter.net
Topic: 4826 Message: 4843

Ya... As the efficient increases, you have a 35 ohm antenna with a vertical. Your findings make sense. Dipoles are 72 ohm, so there you go.

Of course, there are people on this thread a heck of a lot smarter than me that may know more. I am just a fighten Irish displaced in northern Michigan.
--
From the desk of W8OKN, northern Michigan

---- danny garvin <grailknight_2@...> wrote:
> I have had a lot of success using RG/6 & RG/11 for dipoles since they are typically 72 to 75 ohms. I used RG/11 to feed a 1/4 wave vertical a year or so back and the lowest SWR I could achieve without a tuner was 1.5-1 which is what should be expected using 75ohm cable to feed a 50 antenna. Being in the cable industry I have rescued more than my share of partial reels of RG/11& RG/6 from the dumpster :).
> 73's
> Danny WB9RIM
>
>
>
> ----- Original Message ----
> From: comtinker <sgweb@...>
> To: ham-antennas@yahoogroups.com
> Sent: Monday, May 12, 2008 2:18:21 AM
> Subject: [ham-antennas] Re: Ladderline feeding 6BTV
>
>
> This may be slightly off topic but has anyone tried using RG6
> 75ohm line to feed a 5BTV, or any other 50ohm input antenna? I have
> been thinking of trying it but would like some thoughts from others.
>
> Thanks
> Scott
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> --- In ham-antennas@ yahoogroups. com, Commander John
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> > Use of real open wire line, not ladder line or window line
> [anything covered with plastic] makes sense if you have a very long
> run to make[well over 100 feet]. Its use is shown in the older
> handbooks. a balun is required at each end to convert to 50 ohm
> coax . Otherwise use coax.
> > john w9zy
> >
> >
> > vvvvvvvvvvvvvvvvvvvv vvvvvvvvvvvvvvvvv w9zy

> >
> >
> >
> >
> >
> > W9ZY
> > .... Commander John ....
> >
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> > [Non-text portions of this message have been removed]
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>
> [Non-text portions of this message have been removed]
>

4844. Suggestions on Antenna Analyzer

Yahoo group: ham-antennas (2008)
Date: 2008-05-12 18:31:02 UTC
From: N3UJJ (Scott Gillis)
Topic: 4844 Message: 4844

I'm looking to make an investment (in the $500 range) into an Antenna Analyzer and would like feedback, and opinions.

I'm looking at the MFJ 269PRO.

The only difference I can find between it and the NON-PRO is the ears on the case, which I don't think are worth $30.00

I would like something to cover that will cover all the bands/antennas that I work (HF/VHF/UHF)

I have also looked at the miniVNA, which requires a PC/Laptop to use (but does not cover UHF), and the PALSTAR ZM30 Antenna Analyzer (which is HF only)

This is a big investment for me, so any and all feedback would be much appreciated

Thanks in advance
Scott Gillis N3UJJ
<http://location.n3ujj.com/> My Current Location
<http://weather.n3ujj.com/> My Amateur Weather Station

[Non-text portions of this message have been removed]

4845. Re: [ham-antennas] Suggestions on Antenna Analyzer

Yahoo group: ham-antennas (2008)
Date: 2008-05-12 19:00:40 UTC
From: Ken Burchfield
Topic: 4844 Message: 4845

Scott, I can not address all your questions..I offer this and that is I rescued an old MFJ 259B and am glad that I did ...Invite you to check out the analyzer group....May offer some? help/insight.....good place to pose questions.
73 Ken
http://groups.yahoo.com/group/mfj-259/

PacketRadio is Still Alive.....Mississippi.....145.010.....Simplex.....1200 Baud

----- Original Message ----
From: N3UJJ (Scott Gillis) <n3ujj@...>
To: ham-antennas@yahoogroups.com
Sent: Monday, May 12, 2008 12:31:02 PM
Subject: [ham-antennas] Suggestions on Antenna Analyzer

I'm looking to make an investment (in the $500 range) into an Antenna Analyzer and would like feedback, and opinions.

I'm looking at the MFJ 269PRO.

The only difference I can find between it and the NON-PRO is the ears on the case, which I don't think are worth $30.00

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This is a big investment for me, so any and all feedback would be much appreciated

Thanks in advance
Scott Gillis N3UJJ
<http://location. n3ujj.com/> My Current Location
<http://weather. n3ujj.com/> My Amateur Weather Station

.

_____
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http://mobile.yahoo.com/;_ylt=Ahu06i62sR8HDtDypao8Wcj9tAcJ

[Non-text portions of this message have been removed]

4846. Re: [ham-antennas] Suggestions on Antenna Analyzer

Yahoo group: ham-antennas (2008)
Date: 2008-05-12 19:17:00 UTC
From: trucken4peace@yahoo.com
Topic: 4844 Message: 4846

Hello Scott,

Suggestions on Antenna Analyzer

I have the MFJ-259B (non uhf) and I really love it. Yes its big an ugly but it works. I thought hard about the laptop versions but most of the time I am on the road and don't have it (laptop) or want it with me. Look at the reviews on eham.net under Antenna Analyzer if you haven't alreay. I learned a lot there.

KE7JSL
John
Sent via BlackBerry from T-Mobile

4847. RE: [ham-antennas] Suggestions on Antenna Analyzer

Yahoo group: ham-antennas (2008)
Date: 2008-05-12 19:27:30 UTC
From: James M.(Jim) Geidl
Topic: 4844 Message: 4847

Scott,

You might want to take a look at a Aim-4170 from Array Solutions. I have one and love it.

Jim, K6JMG
//

> [mailto:ham-antennas@yahoogroups.com] On Behalf Of N3UJJ
> (Scott Gillis)
> Sent: Monday, May 12, 2008 11:31 AM
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] Suggestions on Antenna Analyzer
>
> I'm looking to make an investment (in the $500 range) into an
> Antenna Analyzer and would like feedback, and opinions.
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> I'm looking at the MFJ 269PRO.
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> The only difference I can find between it and the NON-PRO is
> the ears on the case, which I don't think are worth $30.00
>
> I would like something to cover that will cover all the
> bands/antennas that I work (HF/VHF/UHF)
>
> I have also looked at the miniVNA, which requires a PC/Laptop
> to use (but does not cover UHF), and the PALSTAR ZM30 Antenna
> Analyzer (which is HF
> only)
>
> This is a big investment for me, so any and all feedback
> would be much appreciated
>
> Thanks in advance
> Scott Gillis N3UJJ
> <http://location.n3ujj.com/> My Current Location
> <http://weather.n3ujj.com/> My Amateur Weather Station

4848. Re: [ham-antennas] Suggestions on Antenna Analyzer

Yahoo group: ham-antennas (2008)
Date: 2008-05-12 20:12:23 UTC
From: Leonard K. Pennock
Topic: 4844 Message: 4848

I would spend the difference between the pro and non-pro versions to get
a pelican case to carry the non-pro in.

Understand that on UHF the 269 is not a full featured analyzer. It is
only a self signal generated SWR meter. It doesn't do any of the other
functions that are available at the lower frequencies. It also has a
design defect that if you have the UHF switch depressed when you power
it up you will blow it up.

With those limitations in mind it is a pretty handy tool for the price.

N3UJJ (Scott Gillis) wrote:
> I'm looking to make an investment (in the $500 range) into an Antenna
> Analyzer and would like feedback, and opinions.
>
> I'm looking at the MFJ 269PRO.
>
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> does not cover UHF), and the PALSTAR ZM30 Antenna Analyzer (which is HF
> only)
>
> This is a big investment for me, so any and all feedback would be much
> appreciated
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> Thanks in advance
> Scott Gillis N3UJJ
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>
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> ---
>
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> Yahoo! Groups Links
>
>
>
--
Leonard K. Pennock
AD7AS

Those who walk bravely through life, unafraid of loss or failure,
find that they very rarely lose or fail.

4849. RE: [ham-antennas] Suggestions on Antenna Analyzer

Yahoo group: ham-antennas (2008)
Date: 2008-05-12 20:27:34 UTC
From: N3UJJ (Scott Gillis)
Topic: 4844 Message: 4849

WOW !!!!!

So what would be a good analyzer for 70cm?

It's starting to look like for the "Best bang for the Buck" is going to be the Aim-4170 from Array Solutions.

Thanks, Jim (K6JMG) for pointing me to their website

Scott Gillis N3UJJ
My Current Location <http://location.n3ujj.com>
My Amateur Weather Station <http://weather.n3ujj.com/>

-----Original Message-----
From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Leonard K. Pennock
Sent: Monday, May 12, 2008 16:12
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Suggestions on Antenna Analyzer

I would spend the difference between the pro and non-pro versions to get a pelican case to carry the non-pro in.

Understand that on UHF the 269 is not a full featured analyzer. It is only a self signal generated SWR meter. It doesn't do any of the other functions that are available at the lower frequencies. It also has a design defect that if you have the UHF switch depressed when you power it up you will blow it up.

With those limitations in mind it is a pretty handy tool for the price.

[Non-text portions of this message have been removed]

4850. Re: [ham-antennas] Suggestions on Antenna Analyzer

Yahoo group: ham-antennas (2008)
Date: 2008-05-12 20:39:42 UTC
From: Chris
Topic: 4844 Message: 4850

AIM does 0-170Mhz, but if your pockets are deep enough it would be
fantastic to have one that plots the range like that.

I own the 269 MFJ myself, it's handy to have for sure, but I sure
would like one that sweeps the range and plots it for me to 'see' what
the antenna is doing as a full picture.

On Mon, May 12, 2008 at 4:27 PM, N3UJJ (Scott Gillis) <n3ujj@...> wrote:
>
> WOW !!!!!
>
> So what would be a good analyzer for 70cm?
>
> It's starting to look like for the "Best bang for the Buck" is going to be
> the Aim-4170 from Array Solutions.
>
> Thanks, Jim (K6JMG) for pointing me to their website
>
>
> Scott Gillis N3UJJ
> My Current Location <http://location.n3ujj.com>
> My Amateur Weather Station <http://weather.n3ujj.com/>
>
>
>
> -----Original Message-----
> From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On
> Behalf Of Leonard K. Pennock
> Sent: Monday, May 12, 2008 16:12
> To: ham-antennas@yahoogroups.com
>
> Subject: Re: [ham-antennas] Suggestions on Antenna Analyzer
>
> I would spend the difference between the pro and non-pro versions to get a
> pelican case to carry the non-pro in.
>
> Understand that on UHF the 269 is not a full featured analyzer. It is only
> a self signal generated SWR meter. It doesn't do any of the other functions
> that are available at the lower frequencies. It also has a design defect
> that if you have the UHF switch depressed when you power it up you will blow
> it up.
>
> With those limitations in mind it is a pretty handy tool for the price.
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> [Non-text portions of this message have been removed]
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>
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4851. UT-8000 Cablematic Cable Stripper

Yahoo group: ham-antennas (2008)
Date: 2008-05-12 20:55:38 UTC
From: hermit
Topic: 4851 Message: 4851

I have been reading abt the subject stripper and I am curious to find out if anyone has used this tool, and the results. Seems like a perfect tool for stripping coax - a little pricey though.

73

Dick Williams
KB3OMJ

4852. OT Homebrew tower

Yahoo group: ham-antennas (2008)
Date: 2008-05-12 21:01:53 UTC
From: Donal
Topic: 4852 Message: 4852

I'm hoping to build my own tower, I know its a little of topic here but I was just wondering if anyone knows where I might be able to study some online plans (that I might have missed) to aide me on my way.

As always I appreciate the help and support from all on the group.

73 and Good DX
Danny - MI3DBB

4854. Anyone Have Experience With The Autek Analyst?

Yahoo group: ham-antennas (2008)
Date: 2008-05-12 21:18:51 UTC
From: foreveraccount
Topic: 4854 Message: 4854

Talking about HF use, the Autek Analyst appears to be the least expensive. Anyone have experience with it?

Dan

4855. Re: [ham-antennas] Suggestions on Antenna Analyzer

Yahoo group: ham-antennas (2008)
Date: 2008-05-12 22:19:04 UTC
From: M. Blaise
Topic: 4844 Message: 4855

Can the MFJ 269 be connected to your rig/antenna system for constant monitoring, or is it just made for portable tuning when first setting up your system or doing maintenance?

----- Original Message -----
From: Leonard K. Pennock
To: ham-antennas@yahoogroups.com
Sent: Monday, May 12, 2008 4:12 PM
Subject: Re: [ham-antennas] Suggestions on Antenna Analyzer

I would spend the difference between the pro and non-pro versions to get a pelican case to carry the non-pro in.

Understand that on UHF the 269 is not a full featured analyzer. It is only a self signal generated SWR meter. It doesn't do any of the other functions that are available at the lower frequencies. It also has a design defect that if you have the UHF switch depressed when you power it up you will blow it up.

With those limitations in mind it is a pretty handy tool for the price.

N3UJJ (Scott Gillis) wrote:
> I'm looking to make an investment (in the $500 range) into an Antenna
> Analyzer and would like feedback, and opinions.
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>
> This is a big investment for me, so any and all feedback would be much
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> [Non-text portions of this message have been removed]
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> Yahoo! Groups Links
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>
--
Leonard K. Pennock
AD7AS

Those who walk bravely through life, unafraid of loss or failure,
find that they very rarely lose or fail.

[Non-text portions of this message have been removed]

4856. Re: [ham-antennas] Suggestions on Antenna Analyzer

Yahoo group: ham-antennas (2008)
Date: 2008-05-12 22:22:29 UTC
From: Leonard K. Pennock
Topic: 4844 Message: 4856

Only for system check out. It replaces your transmitter and SWR meter
for tuning antennas.

M. Blaise wrote:
> Can the MFJ 269 be connected to your rig/antenna system for constant monitoring, or is it just made for portable tuning when first setting up your system or doing maintenance?
>
>

--
Leonard K. Pennock
AD7AS

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4857. Re: [ham-antennas] Suggestions on Antenna Analyzer

Yahoo group: ham-antennas (2008)
Date: 2008-05-12 22:33:12 UTC
From: M. Blaise
Topic: 4844 Message: 4857

Oh, thanks.. Am I correct in saying that most good HF/50M rigs have a built in SWR meter? What would be a good SWR meter to use for constant monitoring on 2M and 440?

Still learning,

73
Mike
----- Original Message -----
From: Leonard K. Pennock
To: ham-antennas@yahoogroups.com
Sent: Monday, May 12, 2008 6:22 PM
Subject: Re: [ham-antennas] Suggestions on Antenna Analyzer

Only for system check out. It replaces your transmitter and SWR meter
for tuning antennas.

M. Blaise wrote:
> Can the MFJ 269 be connected to your rig/antenna system for constant monitoring, or is it just made for portable tuning when first setting up your system or doing maintenance?
>
>

--
Leonard K. Pennock
AD7AS

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[Non-text portions of this message have been removed]

4858. Re: [ham-antennas] Suggestions on Antenna Analyzer

Yahoo group: ham-antennas (2008)
Date: 2008-05-12 22:40:32 UTC
From: Leonard K. Pennock
Topic: 4844 Message: 4858

Most of the new HF/50M rigs have built in SWR and power meters. How good they are is debatable. MFJ, Daiwa and probably others make cross needle swr/power meters for 2m/440.

M. Blaise wrote:
> Oh, thanks.. Am I correct in saying that most good HF/50M rigs have a built in SWR meter? What would be a good SWR meter to use for constant monitoring on 2M and 440?
>
> Still learning,
>
> 73
> Mike
> ----- Original Message -----
> From: Leonard K. Pennock
> To: ham-antennas@yahoogroups.com
> Sent: Monday, May 12, 2008 6:22 PM
> Subject: Re: [ham-antennas] Suggestions on Antenna Analyzer
>
>
> Only for system check out. It replaces your transmitter and SWR meter
> for tuning antennas.
>
> M. Blaise wrote:
> > Can the MFJ 269 be connected to your rig/antenna system for constant monitoring, or is it just made for portable tuning when first setting up your system or doing maintenance?
> >
> >
>
> --
> Leonard K. Pennock
> AD7AS
>
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> [Non-text portions of this message have been removed]
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--
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4859. RE: [ham-antennas] Half wave CB style verticals

Yahoo group: ham-antennas (2008)
Date: 2008-05-12 23:29:25 UTC
From: Callum M0MCX
Topic: 4790 Message: 4859

Yup, got that Phil - thanks!

Callum McCormick

http://www.m0mcx.co.uk/

While others were busy thinking outside the box, I cut it up because I
needed some cardboard for a project I was making.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On
Behalf Of Phil Bader
Sent: 11 May 2008 19:51
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Half wave CB style verticals

Did you notice in my response earlier the two links?
http://www.firecommunications.com/images/a99schem.gif
http://www.firecommunications.com/patents/antron99/
Very informative.
Best,
PB
Philip Bader
pbader@... <mailto:pbader%40tampabay.rr.com>
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakelandarc.org/
Currently: Polk County School Board Electronics
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006

----- Original Message -----
From: Callum M0MCX
To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
Sent: Sunday, May 11, 2008 2:14 PM
Subject: RE: [ham-antennas] Half wave CB style verticals

>>> Basic part of a 1/2 wave vertical antenna is a matching coil at the base

This is what I'm after. Not a centre-fed vertical but a genuine half-wave
(or 5/8th) with the coil assembly.

I wonder how to model this / make one? My antenna books don't mention them.

Callum McCormick
http://www.m0mcx.co.uk/

While others were busy thinking outside the box, I cut it up because I
needed some cardboard for a project I was making.

-----Original Message-----
From: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
[mailto:ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
] On
Behalf Of Wayne
Sent: 08 May 2008 22:32
To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
Subject: Re: [ham-antennas] Half wave CB style verticals

doing a bit of research, I find the Cushcraft Ringo was a 5/8 wave
antenna, not 1/2 wave.
But is is a simple antenna. See:
<http://www.cushcraft.com/amateur/support/instruction-manuals.htm> and
look at the AR10 and AR6 antennas (ten meters and six meters). they did
redesign it a bit from the 11 meter version I had in the 70's. With a
little ingenuity, it would not be too difficult to make a homebrew version.
Or maybe find one that you could get for little or nothing and resurrect
it.
Mine had developed a high resistance leakage on the SO239 assembly. I
could make a replacement of sorts for one that should work.
Easier to match than a half wave IMO. It uses a one turn coil, tapped via

a rod, and the whole antenna is at ground potential, as long as the mount
is grounded.

just looked in the newest HRO catalog, and they still sell the AR10
Ringo. Not sure what the price is though.

5/8 wave is just slightly longer than 1/2 wave = 4/8...

A similar antenna, though harder to make, would be a coaxial sleeve
antenna. Mounting would also be harder. This uses a 1/4 wave whip and a
1/4 wave metal sleeve, fed inside the sleeve.

yesterday, I saw an antenna that I had not seen in years. Made by Avanti,

I forget the model right now, but it acts similar to the coaxial sleeve.
I will do some searching later on and see if I can find a picrure of it.
They also made it in a 3 element beam configuration.
Most 11 meter antennas could be redone for 10 meters eaily enough, and
maybe by adding a bit, would do for 12 meters as well...

Basic part of a 1/2 wave vertical antenna is a matching coil at the base,

fed at a tap on the coil. But many made for 11 meters were using a 5/8
wave design, and maybe a few 3/4 wave.
Some of the older antenna books may have some info in them.
Not needing radials makes it easier to mount in many locations...
YMMV

Wayne WA2YNE
Imperial, Tejas

On Wed, 07 May 2008 16:18:56 -0500, Callum M0MCX <callum@...
<mailto:callum%40mccormick.uk.com> >
wrote:

> Thank you for the responses - although completely inconclusive. I had a
> half-wave vertical with no ground on 11m before I was a ham. I compared
> this
> to an 11 meter 3-ele yagi that I built and the yagi normally (but not
> always) beat the vertical. I know it's quite normal to say "verticals
> without grounds don't work" however there's plenty of 2, and 70cms
> antennas
> without a ground that work very well. So careful thought is required here
> before shouting from the rooftops.
>
>
> I need to know if a) someone knows on this forum the precise matching
> circuit of these very cheap aluminium half-waves and b) what ground-wave
> experiments have taken place with them. Clearly there's a bit of a
> knowledge
> black hole here. I have a suspicion that these half-waves (driven more
> than
> a wavelength above ground) might work better than anticipated.
>
>
> Cheers,
>
>
> Callum McCormick
>
> http://www.m0mcx.co.uk/
>
>
> While others were busy thinking outside the box, I cut it up because I
> needed some cardboard for a project I was making.
>
>
> From: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
[mailto:ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
]
> On
> Behalf Of Callum M0MCX
> Sent: 06 May 2008 22:26
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Subject: [ham-antennas] Half wave CB style verticals
>
>
> I am confused as to how those half-wave antennas (that the CBers often
> use
> at home) work.
>
> Many of them are half wave and have no ground plane. I just can't work

> out
> how they are fed?
>
> Anyone..?
>
> Callum McCormick
>
> <http://www.m0mcx.co.uk/> http://www.m0mcx.co.uk/
>
> While others were busy thinking outside the box, I cut it up because I
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> [Non-text portions of this message have been removed]
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Using Opera's revolutionary e-mail client: http://www.opera.com/mail/

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Yahoo! Groups Links

No virus found in this incoming message.
Checked by AVG.
Version: 7.5.524 / Virus Database: 269.23.15/1426 - Release Date: 5/10/2008
11:12 AM

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

4860. Re: Ladderline feeding 6BTV

Yahoo group: ham-antennas (2008)
Date: 2008-05-13 00:15:06 UTC
From: comtinker
Topic: 4826 Message: 4860

I think there may be more uses also but likewise I'm afraid to say anything also. There is no doubt there are smarter hams out there than me. Ham radio is all about experimentation!

I have heard of people using it for their 2 meter rigs without any problems but I do not know the details, not have I tried it yet.

On the same subject, there is a 80 meter dipole at my location fed by RG6 and it works great. There again I'm using a tuner also.

Scott

--- In ham-antennas@yahoogroups.com, <w8okn@...> wrote:
>
> Ya... As the efficient increases, you have a 35 ohm antenna with a vertical. Your findings make sense. Dipoles are 72 ohm, so there you go.
>
> Of course, there are people on this thread a heck of a lot smarter than me that may know more. I am just a fighten Irish displaced in northern Michigan.
> --
> From the desk of W8OKN, northern Michigan
>
>
> ---- danny garvin <grailknight_2@...> wrote:
> > I have had a lot of success using RG/6 & RG/11 for dipoles since they are typically 72 to 75 ohms. I used RG/11 to feed a 1/4 wave vertical a year or so back and the lowest SWR I could achieve without a tuner was 1.5-1 which is what should be expected using 75ohm cable to feed a 50 antenna. Being in the cable industry I have rescued more than my share of partial reels of RG/11& RG/6 from the dumpster :).
> > 73's
> > Danny WB9RIM
> >
> >
> >
> > ----- Original Message ----
> > From: comtinker <sgweb@...>
> > To: ham-antennas@yahoogroups.com
> > Sent: Monday, May 12, 2008 2:18:21 AM
> > Subject: [ham-antennas] Re: Ladderline feeding 6BTV
> >
> >
> > This may be slightly off topic but has anyone tried using RG6

> > 75ohm line to feed a 5BTV, or any other 50ohm input antenna? I
have
> > been thinking of trying it but would like some thoughts from
others.
> >
> > Thanks
> > Scott
> >
> > --- In ham-antennas@ yahoogroups. com, Commander John
> > <crazytvjohn@ ...> wrote:
> > >
> > > Use of real open wire line, not ladder line or window line
> > [anything covered with plastic] makes sense if you have a very
long
> > run to make[well over 100 feet]. Its use is shown in the older
> > handbooks. a balun is required at each end to convert to 50 ohm
> > coax . Otherwise use coax.
> > > john w9zy
> > >
> > >
> > > vvvvvvvvvvvvvvvvvvv vvvvvvvvvvvvvvvv w9zy
> > >
> > >
> > >
> > >
> > >
> > > W9ZY
> > > .... Commander John ....
> > >
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> > >
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> > > [Non-text portions of this message have been removed]
> > >
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> >
> >
> > [Non-text portions of this message have been removed]
> >
>

4861. Re: [ham-antennas] OT Homebrew tower

Yahoo group: ham-antennas (2008)
Date: 2008-05-13 01:14:45 UTC
From: jeff
Topic: 4852 Message: 4861

Donal wrote:
> I'm hoping to build my own tower, I know its a little of topic here but
> I was just wondering if anyone knows where I might be able to study
> some online plans (that I might have missed) to aide me on my way.
>

if I suddenly overcame my acrophobia and wanted to do this, I'd check the established vendors. Their websites will probably have manuals and how-to's you can study.

The only tower name that comes to mind is Rohn, but I have never used a tower, so I'm sure there are more. Google is your friend.

best of luck!

-jeff

-=-=-
... Dammit - where's my left-handed piano?
* TagZilla 0.066 * http://tagzilla.mozdev.org

4862. Re: [ham-antennas] OT Homebrew tower

Yahoo group: ham-antennas (2008)
Date: 2008-05-13 01:18:47 UTC
From: Ben McManus
Topic: 4852 Message: 4862

I build and maintain communications towers.

First, what type of tower are you looking to build and
how tall? How much equipment are you planning to put
on it?

Ben
--- jeff <jeffv@...> wrote:

> Donal wrote:
> > I'm hoping to build my own tower, I know its a
> little of topic here but
> > I was just wondering if anyone knows where I might
> be able to study
> > some online plans (that I might have missed) to
> aide me on my way.
> >
>
> if I suddenly overcame my acrophobia and wanted to
> do this, I'd check
> the established vendors. Their websites will
> probably have manuals and
> how-to's you can study.
>
> The only tower name that comes to mind is Rohn, but
> I have never used a
> tower, so I'm sure there are more. Google is your
> friend.
>
> best of luck!
>
> -jeff
>
>
> -=-=-
> ... Dammit - where's my left-handed piano?
> * TagZilla 0.066 * http://tagzilla.mozdev.org
>

Ben McManus
(804)450-1128
ben.mcmanus@...

4863. Re: [ham-antennas] OT Homebrew tower

Yahoo group: ham-antennas (2008)
Date: 2008-05-13 01:56:51 UTC
From: k9ttt@comcast.net
Topic: 4852 Message: 4863

I bought an rohn bx 40' for a hundred dollars and some hard work over the winter cleaning the galvanized legs. To many 100 to 200 dollar towers around to DIY. Besides, what about the safety factor? (unless you are a good welder)
Dale K9TTT

--
Isn't it annoying that every time we have
an election, a bloody politician wins

[Non-text portions of this message have been removed]

4864. RE: [ham-antennas] OT Homebrew tower

Yahoo group: ham-antennas (2008)
Date: 2008-05-13 02:03:45 UTC
From: Rich Schmuke
Topic: 4852 Message: 4864

How tall do you want to go??? , I made a couple of tilt overs because I am too old to climb. How big of an antenna and rotor (weight wise and wind load) do you want. I can send you pictures and drawings of my tilt overs if needed. You can build a tower without a lot of problems if you have a MIG welder, you have to be a little better to use a stick welder. The tilt units do not require a welder. I have built a Rohn type also a crank up but it has been a few years (25) ago , on my last move when I retired I went to tilt over.

Rich , Kd0zz

As an act of plagiarism . Disclaimer: Any errors in spelling or facts are transmission errors.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Donal
Sent: Monday, May 12, 2008 4:02 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] OT Homebrew tower

I'm hoping to build my own tower, I know its a little of topic here but I was just wondering if anyone knows where I might be able to study some online plans (that I might have missed) to aide me on my way.

As always I appreciate the help and support from all on the group.

73 and Good DX
Danny - MI3DBB

[Non-text portions of this message have been removed]

4865. Re: [ham-antennas] Suggestions on Antenna Analyzer

Yahoo group: ham-antennas (2008)
Date: 2008-05-13 02:36:48 UTC
From: Dean
Topic: 4844 Message: 4865

WHY ? ?
Check it one time and unless something changes
don't worry about it.
This is not a CB. Your radio is protected from
over SWR and will just cut back power so it will
not fry your finals.
Life is too simple to worry so much as a Ham.

73 Dean W5GXL

On May 12, 2008, at 5:33 PM, M. Blaise wrote:

> Oh, thanks.. Am I correct in saying that most good HF/50M rigs have
> a built in SWR meter? What would be a good SWR meter to use for
> constant monitoring on 2M and 440?
>
> Still learning,
>
> 73
> Mike

[Non-text portions of this message have been removed]

4866. RE: [ham-antennas] OT Homebrew tower

Yahoo group: ham-antennas (2008)
Date: 2008-05-13 03:47:50 UTC
From: zl2hgr
Topic: 4852 Message: 4866

Check this site out HYPERLINK "http://www.iol.ie/~bravo/Crank-up%20Tilt-over%20Tower.htm"http://www.iol.ie/~bravo/Crank-up%20Tilt-over%20Tower.htm

Then follow this link HYPERLINK "http://www.iol.ie/~bravo/images/Tower/ei7ba.zip"Click here for the drawings of the tower in 3 different file formats..

Tom Dixon

E.P.C # 1101

HYPERLINK "mailto:zl2hgr@..."zl2hgr@...

Madness does not always howl. Sometimes, it is the quiet voice saying, "Hey, is there room in your head for one more?"

-----Original Message-----
From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Donal
Sent: 13 May 2008 9:02 a.m.
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] OT Homebrew tower

I'm hoping to build my own tower, I know its a little of topic here but I was just wondering if anyone knows where I might be able to study some online plans (that I might have missed) to aide me on my way.

As always I appreciate the help and support from all on the group.

73 and Good DX
Danny - MI3DBB

No virus found in this incoming message.
Checked by AVG.
Version: 7.5.524 / Virus Database: 269.23.16/1429 - Release Date: 12/05/08 6:14 p.m.

No virus found in this outgoing message.
Checked by AVG.
Version: 7.5.524 / Virus Database: 269.23.16/1429 - Release Date: 12/05/08 6:14 p.m.

[Non-text portions of this message have been removed]

4867. Re: Suggestions on Antenna Analyzer

Yahoo group: ham-antennas (2008)
Date: 2008-05-13 07:54:18 UTC
From: Chris Moore
Topic: 4844 Message: 4867

I would drop the idea of 70cms and stick to all the other bands.
I have a MiniVNA and its tops. Its twice as good as the MFJ and its up gradeable via PC also there is a kit to make it work on Bluetooth also it works with a PDA aswell....

You will pay lots of money to get something which will function on 70cm correctly so forget it and stick to normal bands...

4868. Re: OT Homebrew tower

Yahoo group: ham-antennas (2008)
Date: 2008-05-13 10:39:34 UTC
From: Donal
Topic: 4852 Message: 4868

"Rich Schmuke" <rdj@...> wrote:

How tall do you want to go??? , I made a couple of tilt overs because I am too old to climb. How big of an antenna and rotor (weight wise and wind load) do you want. I can send you pictures and drawings of my tilt overs if needed. You can build a tower without a lot of problems if you have a MIG welder, you have to be a little better to use a stick welder. The tilt units do not require a welder. I have built a Rohn type also a crank up but it has been a few years (25) ago , on my last move when I retired I went to tilt over.

Rich , Kd0zz

As an act of plagiarism . Disclaimer: Any errors in spelling or facts are transmission errors.

Hi Rich,
I need about 40 foot, I will be hopefully mounting the Crushcraft MA5B (12KG) and a Yaesu G450 C rotator (3.5KG) on the finished tower, I really need a tilt over something that I can handle myself as I too can't climb anymore. I was thinking about two (or more) sections of box steel and fitting them inside each other to work in a telecopic fashion via a winch. Welding is not a problem if it needed.

I'd really appreciate any pictures or drawings you can send me.

73
Danny - MI3DBB

4869. Re: OT Homebrew tower

Yahoo group: ham-antennas (2008)
Date: 2008-05-13 10:45:07 UTC
From: Donal
Topic: 4852 Message: 4869

Ben McManus <mcmanus_ben@...> wrote:

I build and maintain communications towers.

First, what type of tower are you looking to build and how tall? How much equipment are you planning to put on it?

Ben

Hi Ben,
I'm looking for a 40 foot tilt over tower which I can mount a Crushcraft MA5B Beam and Yaesu 450 C Rotator on... combined wieght about 15 KG. The only other thing that might be attached but unlikely is an 80 Meter wire dipole.

Would appreciate any help you can lend.

73
Danny - MI3DBB

4870. Re: OT Homebrew tower

Yahoo group: ham-antennas (2008)
Date: 2008-05-13 11:08:58 UTC
From: Donal
Topic: 4852 Message: 4870

zl2hgr <zl2hgr@...> wrote:

Check this site out HYPERLINK "http://www.iol.ie/~bravo/Crank-up%20Tilt-over%20Tower.htm" http://www.iol.ie/~bravo/Crank-up%20Tilt-over%20Tower.htm

Then follow this link HYPERLINK "http://www.iol.ie/~bravo/images/Tower/ei7ba.zip" Click here for the drawings of the tower in 3 different file formats..

Tom Dixon

E.P.C # 1101

Thanks a lot Tom,
I was aware of John's site and this is something close to what I am aiming for... I do have a problem with the drawings in that I can't open the file type that they've been saved in so I may have to contact John for more details.

73 & GL
Danny - MI3DBB

4871. Re: [ham-antennas] Suggestions on Antenna Analyzer

Yahoo group: ham-antennas (2008)
Date: 2008-05-13 13:51:31 UTC
From: Andy
Topic: 4844 Message: 4871

> WHY ? ?
> This is not a CB.

Good point.

On the other hand, this hobby isn't CB either, and one of our foundations is to experiment. If you plan to build and tweak UHF antennas, then a good SWR meter or impedance analyzer is good to have access to. (Not necessarily to own. Check if a local ham radio club has one you can borrow.) UHF antennas lend themselves to being built again and again in different configurations (as opposed to build it once and leave it alone).

If you intend to purchase a 70cm antenna, you may never need to measure it.

Do what seems right for you and your wallet.

Andy

4872. Re: Suggestions on Antenna Analyzer

Yahoo group: ham-antennas (2008)
Date: 2008-05-13 15:39:33 UTC
From: Paul
Topic: 4844 Message: 4872

I find these analyzers by AEA to a lot more useful than the MFJ units.

See: http://www.k1cra.com/catalog/category.aspx?categoryID=114

--- In ham-antennas@yahoogroups.com, "N3UJJ \(Scott Gillis\)"
<n3ujj@...> wrote:
>
> I'm looking to make an investment (in the $500 range) into an
Antenna
> Analyzer and would like feedback, and opinions.
>
> I'm looking at the MFJ 269PRO.
>
> The only difference I can find between it and the NON-PRO is the
ears on the
> case, which I don't think are worth $30.00
>
> I would like something to cover that will cover all the
bands/antennas that
> I work (HF/VHF/UHF)
>
> I have also looked at the miniVNA, which requires a PC/Laptop to
use (but
> does not cover UHF), and the PALSTAR ZM30 Antenna Analyzer (which
is HF
> only)
>
> This is a big investment for me, so any and all feedback would be
much
> appreciated
>
> Thanks in advance
> Scott Gillis N3UJJ
> <http://location.n3ujj.com/> My Current Location
> <http://weather.n3ujj.com/> My Amateur Weather Station
>
>
>
> [Non-text portions of this message have been removed]
>

4873. Antena for sale

Yahoo group: ham-antennas (2008)
Date: 2008-05-13 15:49:22 UTC
From: Anish.PR
Topic: 4873 Message: 4873

Antena for sale

Homebrewed / Commercial

Submit for FREE at

www.globalhams.com <http://www.globalhams.com/>

[Non-text portions of this message have been removed]

4874. Tesla

Yahoo group: ham-antennas (2008)
Date: 2008-05-13 17:28:31 UTC
From: Rich Schmuke
Topic: 4874 Message: 4874

On the History channel Wed May 14, 7:00 pm There is a program about Tesla , he made the first radio transmitter , (before it was called radio) and used it for wireless control over the air.

http://www.history.com/images/global/arrow_whiterightredbg.gif

<http://www.history.com/minisites/modernmarvels> Modern Marvels: Mad Electricity

Nikola Tesla's bizarre vision of the future brought him failure, but his genius electrified the world. Travel to Niagara Falls, where in 1893, Tesla installed his new system of Alternating Electrical Current known as AC--the same power we use today. Uncover the forgotten ruins of Tesla's dream experiment---a huge tower on Long Island Sound he hoped would wirelessly power the world. Radar, death rays, invisibility devices and earthquake machines: Tesla claimed to have created them all. More than 100 years ago Tesla foresaw the need for alternative energies like geothermal and solar.

<http://www.history.com/schedule.do?action=daily&date=20080514&time=1900&timeZone=CST&x=10&y=5> TVPG |
<http://www.history.com/minisite.do?mini_id=1335> Visit the website

Rich , Kd0zz

As an act of plagiarism . Disclaimer: Any errors in spelling or facts are transmission errors.

[Non-text portions of this message have been removed]

4875. Re: UT-8000 Cablematic Cable Stripper

Yahoo group: ham-antennas (2008)
Date: 2008-05-13 23:26:21 UTC
From: james27613
Topic: 4851 Message: 4875

hi Dick,

I have one and it works great, not expensive
for a USA made tool from Ripley in CT.

73 james ke4drn

4876. Re: TGM COMM. MQ-26SR HYBRID QUAD mini beam

Yahoo group: ham-antennas (2008)
Date: 2008-05-15 18:04:34 UTC
From: Russell
Topic: 4699 Message: 4876

Hi there
was in the same postion as your self which to go for! I was looking at
the same 3 antennas
I went for the MQ
1st Im not a antenna guru thats why I joined this site hi hi
2nd as 3 mates have got them and rate them 100% for small space antennas
3rd the others are dipoles only on 12 & 17,I wanted as much as I could
get out of my space, antenna, and money
4th Since I got my MQ another 3 people I know have also join the MQ
ranks and as far as I know all very pleased. Ive not needed it but I
belive Back up from MQ HQ is very good.
one friend posted this
http://www.mw0jze.inkinkink.net/mq26sr.htm

what ever you get good dx
Russell

--- In ham-antennas@yahoogroups.com, "wv2c" <wv2c@...> wrote:
>
> Hi All ...new to the group...need your advice!
> Have a space issue and considering only the MQ-26SR hybrid mini beam,
> the cushcraft MA5B and the Mosley MINI 33A WARC. All are around the
> same price. The MQ26SR boasts the best overall gain on all bands. I
see
> ok reviews on the MA5B and almost nothing anywhere on the Mosley.
> To be honest I am leaning towards the MQ-26SR. Does anyone have any
> experiences to offer?
> Many thanks to all.
> Tony
> 73
> WV2C
>

4877. RE: [ham-antennas] Suggestions on Antenna Analyzer

Yahoo group: ham-antennas (2008)
Date: 2008-05-16 01:51:33 UTC
From: NS5B
Topic: 4844 Message: 4877

Where would one look for a "Laptop" version? I have an extra one that I wouldn't mind getting dirty, and if it got broken or damaged, it wouldn't be a great loss. I have another.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of trucken4peace@...
Sent: Monday, May 12, 2008 2:17 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Suggestions on Antenna Analyzer

Hello Scott,

Suggestions on Antenna Analyzer

I have the MFJ-259B (non uhf) and I really love it. Yes its big an ugly but it works. I thought hard about the laptop versions but most of the time I am on the road and don't have it (laptop) or want it with me. Look at the reviews on eham.net under Antenna Analyzer if you haven't alreay. I learned a lot there.

KE7JSL
John
Sent via BlackBerry from T-Mobile

[Non-text portions of this message have been removed]

4878. RE: [ham-antennas] Suggestions on Antenna Analyzer

Yahoo group: ham-antennas (2008)
Date: 2008-05-16 02:24:00 UTC
From: James M.(Jim) Geidl
Topic: 4844 Message: 4878

Try Aim-4170 from Array Solutions

Jim, K6JMG

//
> [mailto:ham-antennas@yahoogroups.com] On Behalf Of NS5B
> Sent: Thursday, May 15, 2008 6:52 PM
> To: ham-antennas@yahoogroups.com
> Subject: RE: [ham-antennas] Suggestions on Antenna Analyzer
>
> Where would one look for a "Laptop" version? I have an extra
> one that I wouldn't mind getting dirty, and if it got broken
> or damaged, it wouldn't be a great loss. I have another.
>
>
>
> _____
>
> From: ham-antennas@yahoogroups.com
> [mailto:ham-antennas@yahoogroups.com] On Behalf Of
> trucken4peace@...
> Sent: Monday, May 12, 2008 2:17 PM
> To: ham-antennas@yahoogroups.com
> Subject: Re: [ham-antennas] Suggestions on Antenna Analyzer
>
>
>
> Hello Scott,
>
> Suggestions on Antenna Analyzer
>
> I have the MFJ-259B (non uhf) and I really love it. Yes its
> big an ugly but it works. I thought hard about the laptop
> versions but most of the time I am on the road and don't have
> it (laptop) or want it with me. Look at the reviews on
> eham.net under Antenna Analyzer if you haven't alreay. I
> learned a lot there.
>
> KE7JSL
> John
> Sent via BlackBerry from T-Mobile

4879. RE: [ham-antennas] Suggestions on Antenna Analyzer

Yahoo group: ham-antennas (2008)
Date: 2008-05-16 03:03:38 UTC
From: NS5B
Topic: 4844 Message: 4879

WOW.$525.00 and they still have the nerve to charge $14.00 for a cable to use it?

I'll stick with my MFJ-259. Does an excellent job on its own. Got a used one for $80.

I like the features of the 4170, but out of my price range. Might be a good investment for a club, but once I get my antenna up, I'm done.

If I hit the lottery though, I'll get us BOTH one.hi hi

Steve, NS5B

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of James M.(Jim) Geidl
Sent: Thursday, May 15, 2008 9:24 PM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Suggestions on Antenna Analyzer

Try Aim-4170 from Array Solutions

Jim, K6JMG

//
> [mailto:ham-antennas@ <mailto:ham-antennas%40yahoogroups.com> yahoogroups.com] On Behalf Of NS5B
> Sent: Thursday, May 15, 2008 6:52 PM
> To: ham-antennas@ <mailto:ham-antennas%40yahoogroups.com> yahoogroups.com
> Subject: RE: [ham-antennas] Suggestions on Antenna Analyzer
>
> Where would one look for a "Laptop" version? I have an extra
> one that I wouldn't mind getting dirty, and if it got broken
> or damaged, it wouldn't be a great loss. I have another.
>
>
>
> -----
>
> From: ham-antennas@ <mailto:ham-antennas%40yahoogroups.com> yahoogroups.com
> [mailto:ham-antennas@ <mailto:ham-antennas%40yahoogroups.com> yahoogroups.com] On Behalf Of
> trucken4peace@ <mailto:trucken4peace%40yahoo.com> yahoo.com
> Sent: Monday, May 12, 2008 2:17 PM
> To: ham-antennas@ <mailto:ham-antennas%40yahoogroups.com> yahoogroups.com

> Subject: Re: [ham-antennas] Suggestions on Antenna Analyzer
>
>
>
> Hello Scott,
>
> Suggestions on Antenna Analyzer
>
> I have the MFJ-259B (non uhf) and I really love it. Yes its
> big an ugly but it works. I thought hard about the laptop
> versions but most of the time I am on the road and don't have
> it (laptop) or want it with me. Look at the reviews on
> eham.net under Antenna Analyzer if you haven't alreay. I
> learned a lot there.
>
> KE7JSL
> John
> Sent via BlackBerry from T-Mobile

[Non-text portions of this message have been removed]

4880. Re: [ham-antennas] Suggestions on Antenna Analyzer

Yahoo group: ham-antennas (2008)
Date: 2008-05-16 05:59:47 UTC
From: trucken4peace@yahoo.com
Topic: 4844 Message: 4880

Where would one look for a "Laptop" version?

Go to W4RT.com and look at the miniVNA. No its not cheap at $398.00. And yes I agree to stick to the 259b. That being said the laptop versions show graphicly the swr curve and many other things. Small, ease of use, usb powered (not 10 aa bateries) and if your doing digital modes and have a laptop there is a place for them.

John
KE7JSL
Sent via BlackBerry from T-Mobile

4881. Cushcraft R5 sealing of the traps, What sealent to use?

Yahoo group: ham-antennas (2008)
Date: 2008-05-17 22:44:34 UTC
From: Commander John
Topic: 4881 Message: 4881

Hello All
I have a cushcraft R5. I purchased this at a flea market. I have it all cleaned up ready to put it together. But one last step remains. The traps.
I took the capacitor clamp arms off one at a time and cleaned the aluminum with steel wool and replaced the stainless bolts etc. This one had the sealant used by Cushcraft under the Black shrink tubing also under the capacitor clamps too. I cleaned this away, and reinstalled the clamps. The black shrink covering is OK.

I need a sealant to put on the ends of the black shrink tubing to weather proof it. I was thinking of Duco glue which I have. Maybe you got a better idea. If it works and has been proven in the weather so much the better.
john w9zy

vvvvvvvvvvvvvvvvvvvvvvvvvvvvvv w9zy

W9ZY
.... Commander John ....

[Non-text portions of this message have been removed]

4882. Re: [ham-antennas] Cushcraft R5 sealing of the traps, What sealent to use?

Yahoo group: ham-antennas (2008)
Date: 2008-05-17 23:00:36 UTC
From: Phil Bader
Topic: 4881 Message: 4882

G.E. brand RTV silicon seal?
Phil B
Philip Bader
Polk County School Board Electronics
Intercom & Fire Alarm Systems Tech
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakelandarc.org/
pbader@...

----- Original Message -----
From: Commander John
To: topband@... ; towertalk@... ; Commander John
Cc: ham-antennas@yahoogroups.com ; hamradioantennagroup@yahoogroups.com
Sent: Saturday, May 17, 2008 6:44 PM
Subject: [ham-antennas] Cushcraft R5 sealing of the traps, What sealent to use?

Hello All
I have a cushcraft R5. I purchased this at a flea market. I have it all cleaned up ready to put it together. But one last step remains. The traps.
I took the capacitor clamp arms off one at a time and cleaned the aluminum with steel wool and replaced the stainless bolts etc. This one had the sealant used by Cushcraft under the Black shrink tubing also under the capacitor clamps too. I cleaned this away, and reinstalled the clamps. The black shrink covering is OK.

I need a sealant to put on the ends of the black shrink tubing to weather proof it. I was thinking of Duco glue which I have. Maybe you got a better idea. If it works and has been proven in the weather so much the better.
john w9zy

vvvvvvvvvvvvvvvvvvvvvvvvvvvvv w9zy

W9ZY
.... Commander John ....

[Non-text portions of this message have been removed]

No virus found in this incoming message.
Checked by AVG.
Version: 7.5.524 / Virus Database: 269.23.16/1448 - Release Date: 5/16/2008 7:42 PM

[Non-text portions of this message have been removed]

4883. 30m qrp ant

Yahoo group: ham-antennas (2008)
Date: 2008-05-17 23:29:37 UTC
From: Russell
Topic: 4883 Message: 4883

Hi all looking for a 30m qrp compact,backpacking antenna, dont mind if
its dipole, vert,end feed,loop etc
looked at all the normal books/info, but thought I would ask and see
what comes back
regards

4884. Re: [ham-antennas] 30m qrp ant

Yahoo group: ham-antennas (2008)
Date: 2008-05-17 23:32:59 UTC
From: MAXXOUT2@AOL.COM
Topic: 4883 Message: 4884

You can't get more portable then the end fed
I have a beacon on now with a loop on 7.050.0 but a tube type loop is not
what I call portable.

_http://groups.yahoo.com/group/CW_Dx_Hunters/_
(http://groups.yahoo.com/group/CW_Dx_Hunters/)
BOB
AF2Q
In a message dated 5/17/2008 4:29:47 P.M. Pacific Standard Time,
russell@... writes:

Hi all looking for a 30m qrp compact,backpacking antenna, dont mind if
its dipole, vert,end feed,loop etc
looked at all the normal books/info, but thought I would ask and see
what comes back
regards

**********Wondering what's for Dinner Tonight? Get new twists on family
favorites at AOL Food.
(http://food.aol.com/dinner-tonight?NCID=aolfod00030000000001)

[Non-text portions of this message have been removed]

4885. Re: [ham-antennas] 30m qrp ant

Yahoo group: ham-antennas (2008)
Date: 2008-05-18 08:35:06 UTC
From: hermit
Topic: 4883 Message: 4885

Try an end fed. Go here: http://parelectronics.com/end_fedz.htm

Scroll down and you will see one for 30M.

73

Dick Williams KB3OMJ

>Hi all looking for a 30m qrp compact,backpacking antenna, dont mind if
>its dipole, vert,end feed,loop etc
>looked at all the normal books/info, but thought I would ask and see
>what comes back
>regards

4886. Re: [ham-antennas] 30m qrp ant

Yahoo group: ham-antennas (2008)
Date: 2008-05-18 13:03:27 UTC
From: MAXXOUT2@AOL.COM
Topic: 4883 Message: 4886

Par wants $70.00 and that is a 3 band antenna.
Doesn't even have a tuning cap.
I made several in 1 day.
Total cost is appx $10.00.
I use a T-38-2 core a tuning cap 10-270 pf and a 66 foot wire and I can tune
all bands from 40 to 15 meters and have a flat SWR
BOB
AF2Q

In a message dated 5/18/2008 1:35:21 A.M. Pacific Standard Time,
hermit@... writes:

Try an end fed. Go here: http://parelectronics.com/end_fedz.htm

Scroll down and you will see one for 30M.

73

Dick Williams KB3OMJ

**********Wondering what's for Dinner Tonight? Get new twists on family
favorites at AOL Food.
(http://food.aol.com/dinner-tonight?NCID=aolfod00030000000001)

[Non-text portions of this message have been removed]

4887. Re: [ham-antennas] 30m qrp ant

Yahoo group: ham-antennas (2008)
Date: 2008-05-18 14:19:05 UTC
From: hermit
Topic: 4883 Message: 4887

Par has a single band 30, but you're right homebrew is a possisbility.
I opted for the EF 10-20-40 for my KX-1.

>
>Par wants $70.00 and that is a 3 band antenna.
>Doesn't even have a tuning cap.
>I made several in 1 day.
>Total cost is appx $10.00.
>I use a T-38-2 core a tuning cap 10-270 pf and a 66 foot wire and I can tune
>all bands from 40 to 15 meters and have a flat SWR
>BOB
>AF2Q
>
>
>In a message dated 5/18/2008 1:35:21 A.M. Pacific Standard Time,
>hermit@... writes:
>
>
>Try an end fed. Go here: http://parelectronics.com/end_fedz.htm
>
>Scroll down and you will see one for 30M.
>
>73
>
>Dick Williams KB3OMJ
>
>
>
>
>
>
>**********Wondering what's for Dinner Tonight? Get new twists on family
>favorites at AOL Food.
>(http://food.aol.com/dinner-tonight?NCID=aolfod00030000000001)
>
>
>[Non-text portions of this message have been removed]

4888. Re: 30m qrp ant

Yahoo group: ham-antennas (2008)
Date: 2008-05-18 14:28:47 UTC
From: Russell
Topic: 4883 Message: 4888

Hi all
tnx for replies already will see what else comes in.
Russell G5XW

--- In ham-antennas@yahoogroups.com, MAXXOUT2@... wrote:
>
>
> Par wants $70.00 and that is a 3 band antenna.
> Doesn't even have a tuning cap.
> I made several in 1 day.
> Total cost is appx $10.00.
> I use a T-38-2 core a tuning cap 10-270 pf and a 66 foot wire and I
can tune
> all bands from 40 to 15 meters and have a flat SWR
> BOB
> AF2Q
>
>
> In a message dated 5/18/2008 1:35:21 A.M. Pacific Standard Time,
> hermit@... writes:
>
>
> Try an end fed. Go here: http://parelectronics.com/end_fedz.htm
>
> Scroll down and you will see one for 30M.
>
> 73
>
> Dick Williams KB3OMJ
>
>
>
>
>
>
> **********Wondering what's for Dinner Tonight? Get new twists
on family
> favorites at AOL Food.
> (http://food.aol.com/dinner-tonight?NCID=aolfod00030000000001)
>
>
> [Non-text portions of this message have been removed]
>

4889. Tak tenna

Yahoo group: ham-antennas (2008)
Date: 2008-05-18 16:25:20 UTC
From: Donal
Topic: 4889 Message: 4889

Hi All...
I was wondering if anyone on the group is using one of these antennas as I have some space on pole mounted 10M AGL on two stand off brackets at the back of the house and was thinking what a waste.

This antenna looks ideal for the pole mentioned above.

With that said, I've heard talk of an 80M version... so should I wait and see or just dive on in and buy the 40M version?

Would there be any advantages over my 6BTV and CW 80 Special?

73 & Good DX
Danny - MI3DBB

4890. Re: [ham-antennas] Tak tenna

Yahoo group: ham-antennas (2008)
Date: 2008-05-18 17:29:53 UTC
From: MAXXOUT2@AOL.COM
Topic: 4889 Message: 4890

Danny,
Several owners say it's a super antenna.
Others say it's not to hot on 40 meters.
You might try contacting Bill G4KKI at _g4kki.william@.../_
(mailto:g4kki.william@.../)
He put one together for his friend and was testing it against a mag loop.
Their made here in NJ where I live.
I contacted the person but there are no measurements,smith charts or take
off measurements on the antenna.
Just a lot of brag post and I haven't been able to work several hams who say
they have them.
Eham reports look good but they put down the MFJ loop that I have and I use
my MFJ loop inside this steel and concrete apartment and work all kinds of
DX/W/ 5-10 watts/
The designer did say not to use in in my apartment but gave no reason.
Maybe Bill can contact his friend and see how it's working for him.
I don't know if it's directional but when I operate outdoors you can't beat
the end fed with a tiny tuner that fits in your pocket:-)
BOB
AF2Q _http://groups.yahoo.com/group/CW_Dx_Hunters/_
(http://groups.yahoo.com/group/CW_Dx_Hunters/)

In a message dated 5/18/2008 9:25:39 A.M. Pacific Standard Time,
poteeny2k@... writes:

Hi All...
I was wondering if anyone on the group is using one of these antennas
as I have some space on pole mounted 10M AGL on two stand off brackets
at the back of the house and was thinking what a waste.

This antenna looks ideal for the pole mentioned above.

With that said, I've heard talk of an 80M version... so should I wait
and see or just dive on in and buy the 40M version?

Would there be any advantages over my 6BTV and CW 80 Special?

73 & Good DX
Danny - MI3DBB

**********Wondering what's for Dinner Tonight? Get new twists on family
favorites at AOL Food.
(http://food.aol.com/dinner-tonight?NCID=aolfod00030000000001)

[Non-text portions of this message have been removed]

4891. Re: 30m qrp parelectronics

Yahoo group: ham-antennas (2008)
Date: 2008-05-18 18:32:42 UTC
From: Russell
Topic: 4883 Message: 4891

--- In ham-antennas@yahoogroups.com, MAXXOUT2@... wrote:
>
>
> Par wants $70.00 and that is a 3 band antenna.
> Doesn't even have a tuning cap.
> I made several in 1 day.
> Total cost is appx $10.00.
> I use a T-38-2 core a tuning cap 10-270 pf and a 66 foot wire and I
can tune
> all bands from 40 to 15 meters and have a flat SWR
> BOB
> AF2Q
Well got me answer back sent mail at 12.07 just got answer now not
bad for a Sunday $59 to the door in uk
>
> In a message dated 5/18/2008 1:35:21 A.M. Pacific Standard Time,
> hermit@... writes:
>
>
> Try an end fed. Go here: http://parelectronics.com/end_fedz.htm
>
> Scroll down and you will see one for 30M.
>
> 73
>
> Dick Williams KB3OMJ
>
>
>
>
>
>
> **********Wondering what's for Dinner Tonight? Get new twists
on family
> favorites at AOL Food.
> (http://food.aol.com/dinner-tonight?NCID=aolfod00030000000001)
>
>
> [Non-text portions of this message have been removed]
>

4892. Re: [ham-antennas] Re: 30m qrp parelectronics

Yahoo group: ham-antennas (2008)
Date: 2008-05-18 18:57:35 UTC
From: MAXXOUT2@AOL.COM
Topic: 4883 Message: 4892

Well
I'm amazed how many hams refuse to wind 1 core and 1 small tuning cap but will pay that kind of money for a core with no tuning cap and then seal it in the box
I just posted a picture of mine sitting on top of my FT 817 rig.
BOB
AF2Q

In a message dated 5/18/2008 11:33:08 A.M. Pacific Standard Time, russell@... writes:

Well got me answer back sent mail at 12.07 just got answer now not bad for a Sunday $59 to the door in uk

**********Wondering what's for Dinner Tonight? Get new twists on family favorites at AOL Food.
(http://food.aol.com/dinner-tonight?NCID=aolfod00030000000001)

[Non-text portions of this message have been removed]

4893. Re: 30m qrp parelectronics

Yahoo group: ham-antennas (2008)
Date: 2008-05-18 20:13:29 UTC
From: Russell
Topic: 4883 Message: 4893

hi hi didnt say Id ordered

--- In ham-antennas@yahoogroups.com, MAXXOUT2@... wrote:
>
>
> Well
> I'm amazed how many hams refuse to wind 1 core and 1 small tuning
cap but
> will pay that kind of money for a core with no tuning cap and then
seal it in
> the box
> I just posted a picture of mine sitting on top of my FT 817 rig.
> BOB
> AF2Q
>
> In a message dated 5/18/2008 11:33:08 A.M. Pacific Standard Time,
> russell@... writes:
>
> Well got me answer back sent mail at 12.07 just got answer now not
> bad for a Sunday $59 to the door in uk
>
>
>
>
>
>
> **********Wondering what's for Dinner Tonight? Get new twists
on family
> favorites at AOL Food.
> (http://food.aol.com/dinner-tonight?NCID=aolfod00030000000001)
>
>
> [Non-text portions of this message have been removed]
>

4894. Re: [ham-antennas] Re: 30m qrp parelectronics

Yahoo group: ham-antennas (2008)
Date: 2008-05-18 20:50:04 UTC
From: ktnjoepark@aol.com
Topic: 4883 Message: 4894

Has anyone made a home version of and end fed for 75m ??

Joe WB6AGR

In a message dated 5/18/2008 1:13:56 P.M. Pacific Daylight Time,
russell@... writes:

hi hi didnt say Id ordered

--- In _ham-antennas@ham-antennasham_ (mailto:ham-antennas@yahoogroups.com) ,
MAXXOUT2@... wrote:
>
>
> Well
> I'm amazed how many hams refuse to wind 1 core and 1 small tuning
cap but
> will pay that kind of money for a core with no tuning cap and then
seal it in
> the box
> I just posted a picture of mine sitting on top of my FT 817 rig.
> BOB
> AF2Q
>
> In a message dated 5/18/2008 11:33:08 A.M. Pacific Standard Time,
> russell@... writes:
>
> Well got me answer back sent mail at 12.07 just got answer now not
> bad for a Sunday $59 to the door in uk
>
>
>
>
>
>
> ********** **********<WBR>**Wondering what's for Dinner To
on family
> favorites at AOL Food.
> (_http://food.http://food.<WBhttp://food.http://food.<WBRhttp_
(http://food.aol.com/dinner-tonight?NCID=aolfod00030000000001))
>
>
> [Non-text portions of this message have been removed]
>

**********Wondering what's for Dinner Tonight? Get new twists on family
favorites at AOL Food.

(http://food.aol.com/dinner-tonight?NCID=aolfod00030000000001)

[Non-text portions of this message have been removed]

4895. Re: [ham-antennas] Re: 30m qrp parelectronics

Yahoo group: ham-antennas (2008)
Date: 2008-05-18 21:58:04 UTC
From: MAXXOUT2@AOL.COM
Topic: 4883 Message: 4895

Joe,
I haven't but one of the members on my list did./
Lot of wire to feed from the end but they work great if you can get half of it vertical and the rest horizontal
BOB
AF2Q

In a message dated 5/18/2008 1:50:27 P.M. Pacific Standard Time, ktnjoepark@... writes:

Has anyone made a home version of and end fed for 75m ??

Joe WB6AGR

**********Wondering what's for Dinner Tonight? Get new twists on family favorites at AOL Food.
(http://food.aol.com/dinner-tonight?NCID=aolfod00030000000001)

[Non-text portions of this message have been removed]

4896. vertical antenna

Yahoo group: ham-antennas (2008)
Date: 2008-05-19 10:39:58 UTC
From: DAVID MILLER
Topic: 1089 Message: 4896

I need a HF vertical because I live in a hole with very limited space but I don't have antenna restrictions does anyone know of a good vertical antenna for HF that can be mounted up on a pole that doesn't require ground radials?
thanks
David
KB5DNR

[Non-text portions of this message have been removed]

4897. Re: vertical antenna

Yahoo group: ham-antennas (2008)
Date: 2008-05-19 10:49:30 UTC
From: John
Topic: 1089 Message: 4897

--- In ham-antennas@yahoogroups.com, "DAVID MILLER" <davidbmiller@...>
wrote:
>
> I need a HF vertical because I live in a hole with very limited space
but I don't have antenna restrictions does anyone know of a good
vertical antenna for HF that can be mounted up on a pole that doesn't
require ground radials?
> thanks
> David
> KB5DNR
>
> [Non-text portions of this message have been removed]
>Hi David. Higain av-640 is about the best out there. I have one and
works great.
John ka1yuw

4898. Re: [ham-antennas] Re: vertical antenna

Yahoo group: ham-antennas (2008)
Date: 2008-05-19 11:08:49 UTC
From: DAVID MILLER
Topic: 1089 Message: 4898

Does it work on 80 meters?
----- Original Message -----
From: John
To: ham-antennas@yahoogroups.com
Sent: Monday, May 19, 2008 5:49 AM
Subject: [ham-antennas] Re: vertical antenna

--- In ham-antennas@yahoogroups.com, "DAVID MILLER" <davidbmiller@...>
wrote:
>
> I need a HF vertical because I live in a hole with very limited space
but I don't have antenna restrictions does anyone know of a good
vertical antenna for HF that can be mounted up on a pole that doesn't
require ground radials?
> thanks
> David
> KB5DNR
>
> [Non-text portions of this message have been removed]
>Hi David. Higain av-640 is about the best out there. I have one and
works great.
John ka1yuw

[Non-text portions of this message have been removed]

4899. Re: [ham-antennas] Re: vertical antenna

Yahoo group: ham-antennas (2008)
Date: 2008-05-19 11:33:49 UTC
From: DAVID MILLER
Topic: 1089 Message: 4899

Thanks I will check into it
----- Original Message -----
From: John
To: ham-antennas@yahoogroups.com
Sent: Monday, May 19, 2008 5:49 AM
Subject: [ham-antennas] Re: vertical antenna

--- In ham-antennas@yahoogroups.com, "DAVID MILLER" <davidbmiller@...>
wrote:
>
> I need a HF vertical because I live in a hole with very limited space
but I don't have antenna restrictions does anyone know of a good
vertical antenna for HF that can be mounted up on a pole that doesn't
require ground radials?
> thanks
> David
> KB5DNR
>
> [Non-text portions of this message have been removed]
>Hi David. Higain av-640 is about the best out there. I have one and
works great.
John ka1yuw

[Non-text portions of this message have been removed]

4900. Re: [ham-antennas] Re: vertical antenna

Yahoo group: ham-antennas (2008)
Date: 2008-05-19 14:00:48 UTC
From: Commander John
Topic: 1089 Message: 4900

Cushcraft makes the R5 R6 and R7 verticles they do not require radials. No longer made. I bought my R5 at a swap for $50. It is going up soon. The R7 sells regularly on Ebay for about $200. Check the eham reviews for these antennas. There is a lot of internet info on these antennas. Manuals at cushcraft. Well built.
john w9zy

vvvvvvvvvvvvvvvvvvvvvvvvvvvvvv w9zy

W9ZY
.... Commander John ....

[Non-text portions of this message have been removed]

4901. Re: [ham-antennas] vertical antenna

Yahoo group: ham-antennas (2008)
Date: 2008-05-19 13:29:20 UTC
From: trucken4peace@yahoo.com
Topic: 1089 Message: 4901

Hi David,

I have to agree if you have the space go for the Hy-gain. That being said if you have very limited space check out the compromise antenna from comet. The CHA250B from comet does 6m through 80m. Not very well according to reviews on 40m-80m but all multi band antennas have a compromise somewhere.

John
KE7JSL
Sent via BlackBerry from T-Mobile

4902. Re: [ham-antennas] Re: vertical antenna

Yahoo group: ham-antennas (2008)
Date: 2008-05-19 14:31:55 UTC
From: Commander John
Topic: 1089 Message: 4902

No my R5 is 20-10 meter as the antennas go newer they go lower there are ones that to 80 and 40 too. Go to cushcraft web site. If they work on 80 they will work poorly. but they do work. you could throw wire and tune it. That works too. somewhat.
john

DAVID MILLER <davidbmiller@...> wrote:
Does it work on 80 meters?
----- Original Message -----
From: John
To: ham-antennas@yahoogroups.com
Sent: Monday, May 19, 2008 5:49 AM
Subject: [ham-antennas] Re: vertical antenna

W9ZY
.... Commander John ....

[Non-text portions of this message have been removed]

4903. Re: vertical antenna

Yahoo group: ham-antennas (2008)
Date: 2008-05-19 14:52:02 UTC
From: Pete
Topic: 1089 Message: 4903

I use a Cushcraft R6000 mounted on an 8-foot pole. It has 7 integral radials which I believe are 45 inches long. It is for 6 thru 20 meters including 12 and 17 (& 10 & 15 of course). It has worked well for me, coupled with an amplifier I worked my first DXCC. It is still in their catalog. I use a tuner but they say it is not required. I live at an elevation of 1200 ft. but 100 feet below the highest point in the terrain - so I am not exactly in the clear, but not exactly in a hole either.

Pete W3WC

--- In ham-antennas@yahoogroups.com, "DAVID MILLER" <davidbmiller@...> wrote:
>
> I need a HF vertical because I live in a hole with very limited space but I don't have antenna restrictions does anyone know of a good vertical antenna for HF that can be mounted up on a pole that doesn't require ground radials?
> thanks
> David
> KB5DNR
>
> [Non-text portions of this message have been removed]
>

4904. Re: [ham-antennas] Re: vertical antenna

Yahoo group: ham-antennas (2008)
Date: 2008-05-19 14:54:23 UTC
From: Dan Schaaf
Topic: 1089 Message: 4904

Also consider the Hy-Gain AV-640. I use one and it has performed extremely well.

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com "In the Beginning, there was Spark Gap"

----- Original Message -----
From: Pete
To: ham-antennas@yahoogroups.com
Sent: Monday, May 19, 2008 10:52 AM
Subject: [ham-antennas] Re: vertical antenna

I use a Cushcraft R6000 mounted on an 8-foot pole. It has 7 integral radials which I believe are 45 inches long. It is for 6 thru 20 meters including 12 and 17 (& 10 & 15 of course). It has worked well for me, coupled with an amplifier I worked my first DXCC. It is still in their catalog. I use a tuner but they say it is not required. I live at an elevation of 1200 ft. but 100 feet below the highest point in the terrain - so I am not exactly in the clear, but not exactly in a hole either.

Pete W3WC

--- In ham-antennas@yahoogroups.com, "DAVID MILLER" <davidbmiller@...>
wrote:
>
> I need a HF vertical because I live in a hole with very limited space
but I don't have antenna restrictions does anyone know of a good
vertical antenna for HF that can be mounted up on a pole that doesn't
require ground radials?
> thanks
> David
> KB5DNR
>
> [Non-text portions of this message have been removed]
>

[Non-text portions of this message have been removed]

4905. Re: vertical antenna

Yahoo group: ham-antennas (2008)
Date: 2008-05-19 15:49:23 UTC
From: Bill
Topic: 1089 Message: 4905

Hi Dave, I have the R7 and it doesn't do 80m. Hustler verticals either do 80m or can be made to do 80m with an add-on resonator. Don't know their performance first hand, but owners give mostly good reviews at eHam. Rather subjective. I was considering the 6 band model before being given the R7. I have homebrew windom that does 80m. So far I only do 80m for regional ragchewing, I guess the vertical would get you a lower radiation for longer range. You said you live in a hole. Do you mean a small lot or a section of land lower than the suroundings? I don't know enough yet to know if that would affect the lower radiation angle from a vertical.
Good luck

Bill KC2SUO

>
> No my R5 is 20-10 meter as the antennas go newer they go lower there are ones that to 80 and 40 too. Go to cushcraft web site. If they work on 80 they will work poorly. but they do work. you could throw wire and tune it. That works too. somewhat.
> john
>
> DAVID MILLER <davidbmiller@...> wrote:
> Does it work on 80 meters?

4906. antennas fs

Yahoo group: ham-antennas (2008)
Date: 2008-05-19 16:37:08 UTC
From: paul glassman
Topic: 4906 Message: 4906

hi all,
I am doing some house cleaning and have several
antennas that are for sale.
telrex dx88 with 160 meters $390
mfj 1796 $100 painted black
cushcraft r8 $375 (painted to fool the neighbors)
cushcraft a4s with 40 meter kit $425
cushcraft ma5b $290
all pick up cincinnati or plus shipping conus.
73 paul w8jn

Quantum materiae materietur marmota monax
si marmota monax materiam possit materiari?

4907. 6 meter Cushcraft Beam ID ?

Yahoo group: ham-antennas (2008)
Date: 2008-05-19 22:19:26 UTC
From: Bill Alexander
Topic: 4907 Message: 4907

Got a used 5 el 6 meter beam and was told that it is a cushcraft, but checking the site nothing seems to match up. Here is what I have
Boom 100 inches
63.25
64.25
65.25
70.75
77.50 REF
Would like to know spacing and model # if possible. it will be up at 130 feet in a tree with some hardline, so want to have it right before we install it.

Thanks Alex kr6g

4908. looking for an ARRL Antenna Book 16th Edition antenna plan

Yahoo group: ham-antennas (2008)
Date: 2008-05-19 23:33:30 UTC
From: hammin98
Topic: 4908 Message: 4908

Hello everyone,
I was wondering if by chance someone might have the 16th edition of the ARRL antenna book and could possibly scan and email a couple of pages to me.

If you can email me please.

Hammin'

4909. Re: [ham-antennas] looking for an ARRL Antenna Book 16th Edition antenna plan

Yahoo group: ham-antennas (2008)
Date: 2008-05-20 03:16:07 UTC
From: k9ttt@comcast.net
Topic: 4908 Message: 4909

I have the 15th edition.....maybe I can help
Dale K9TTT

[Non-text portions of this message have been removed]

4910. Re: [ham-antennas] looking for an ARRL Antenna Book 16th Edition antenna plan

Yahoo group: ham-antennas (2008)
Date: 2008-05-20 03:36:56 UTC
From: Commander John
Topic: 4908 Message: 4910

I have 19 and 20th as pdf can send entire chapter.
john w9zy

k9ttt@... wrote:
I have the 15th edition.....maybe I can help
Dale K9TTT

[Non-text portions of this message have been removed]

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 974 members (as of 11/07/07, and attachments are NOT permitted.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

W9ZY
.... Commander John ....

[Non-text portions of this message have been removed]

4911. Re: [ham-antennas] Re: Icom rasing prices

Yahoo group: ham-antennas (2008)
Date: 2008-05-20 03:38:12 UTC
From: DRJVM@AOL.COM
Topic: 4911 Message: 4911

ICOM is raising all prices across the board by anywhere from 10-20% on June 1. The other mfrs. are expected to follow suit shortly thereafter. So anybody on the fence about buying a new rig- act now!

Joe

**********Wondering what's for Dinner Tonight? Get new twists on family favorites at AOL Food.
(http://food.aol.com/dinner-tonight?NCID=aolfod00030000000001)

[Non-text portions of this message have been removed]

4912. Re: [ham-antennas] Re: Icom rasing prices

Yahoo group: ham-antennas (2008)
Date: 2008-05-20 05:49:24 UTC
From: mblaise@nycap.rr.com
Topic: 4911 Message: 4912

Well thats nice.. Any idea why?

---- DRJVM@... wrote:

==========

ICOM is raising all prices across the board by anywhere from 10-20% on June 1. The other mfrs. are expected to follow suit shortly thereafter. So anybody on the fence about buying a new rig- act now!

Joe

**********Wondering what's for Dinner Tonight? Get new twists on family favorites at AOL Food.
(http://food.aol.com/dinner-tonight?NCID=aolfod00030000000001)

[Non-text portions of this message have been removed]

4913. Re: [ham-antennas] Re: Icom rasing prices

Yahoo group: ham-antennas (2008)
Date: 2008-05-20 10:25:38 UTC
From: DRJVM@AOL.COM
Topic: 4911 Message: 4913

In a message dated 5/20/2008 12:49:53 A.M. Eastern Standard Time, mblaise@... writes:

Well thats nice.. Any idea why?

Because they can.....that's the best answer I have. Who knows- the price of oil, US dollar is low ect.

**********Wondering what's for Dinner Tonight? Get new twists on family favorites at AOL Food.
(http://food.aol.com/dinner-tonight?NCID=aolfod00030000000001)

[Non-text portions of this message have been removed]

4914. Re: [ham-antennas] Re: Icom rasing prices

Yahoo group: ham-antennas (2008)
Date: 2008-05-20 14:00:19 UTC
From: Commander John
Topic: 4911 Message: 4914

How do we know that this is true? I haven't seen this warning elsewhere. It more likely stems from resellers that need to move Icoms junk in a world where there is less money available due to wall street predatory interests and Gas Men.
john w9zy

==========> w9zy

ICOM is raising all prices across the board by anywhere from 10-20% on June 1. The other mfrs. are expected to follow suit shortly thereafter. So anybody on the fence about buying a new rig- act now!

Joe

W9ZY
.... Commander John ....

[Non-text portions of this message have been removed]

4915. Re: [ham-antennas] looking for an ARRL Antenna Book 16th Edition antenna plan

Yahoo group: ham-antennas (2008)
Date: 2008-05-20 14:08:09 UTC
From: Hammin' Kelly
Topic: 4908 Message: 4915

The antenna I am looking for the plans to is a 2 meter antenna that has a top plate of about 2 inches and has a horizontal coil of about 1/2" and about 5 1/2 turns, I believe it was Titled " 144 Mhz Mobile Whip" (strange considering it can be used for HTs and mobile).
Thank you both and if you find it in your books please let me know,
Hammin'
--- Commander John <crazytvjohn@...> wrote:

> I have 19 and 20th as pdf can send entire chapter.
> john w9zy
>
> k9ttt@... wrote:
> I have the 15th edition.....maybe I can help
> Dale K9TTT
>
> [Non-text portions of this message have been
> removed]
>
>
> ----------
>
> HAM ANTENNAS Anything and everything, tell us or ask
> questions. Replies go to ALL 974 members (as of
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> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe:
> ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
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> W9ZY
> .... Commander John ....

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> [Non-text portions of this message have been
> removed]
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>

4916. Re: [ham-antennas] Re: Icom rasing prices

Yahoo group: ham-antennas (2008)
Date: 2008-05-20 14:24:34 UTC
From: yash@aol.com
Topic: 4911 Message: 4916

Maybe ,the sky is falling also. The dollar is still falling against the yen, hence more dollars needed to buy Asian radios.
dale wt4t

-----Original Message-----
From: Commander John <crazytvjohn@...>
To: ham-antennas@yahoogroups.com
Cc: Commander John <hamradio_w9zy-2@...>
Sent: Tue, 20 May 2008 7:00 am
Subject: Re: [ham-antennas] Re: Icom rasing prices

How do we know that this is true? I haven't seen this warning elsewhere. It more likely stems from resellers that need to move Icoms junk in a world where there is less money available due to wall street predatory interests and Gas Men.
john w9zy

==========> w9zy

ICOM is raising all prices across the board by anywhere from 10-20% on June
1. The other mfrs. are expected to follow suit shortly thereafter. So
anybody on the fence about buying a new rig- act now!

Joe

W9ZY
.... Commander John ....

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

4917. Re: [ham-antennas] Re: Icom rasing prices

Yahoo group: ham-antennas (2008)
Date: 2008-05-20 14:25:17 UTC
From: DRJVM@AOL.COM
Topic: 4911 Message: 4917

In a message dated 5/20/2008 9:03:42 A.M. Eastern Standard Time, crazytvjohn@... writes:

How do we know that this is true? I haven't seen this warning elsewhere. It more likely stems from resellers that need to move Icoms junk in a world where there is less money available due to wall street predatory interests and Gas Men.

I got it from HRO salesman- Salem NH

Joe

**********Wondering what's for Dinner Tonight? Get new twists on family favorites at AOL Food. (http://food.aol.com/dinner-tonight?NCID=aolfod00030000000001)

[Non-text portions of this message have been removed]

4918. Re: [ham-antennas] looking for an ARRL Antenna Book 16th Edition antenna plan

Yahoo group: ham-antennas (2008)
Date: 2008-05-20 14:52:07 UTC
From: k9ttt@comcast.net
Topic: 4908 Message: 4918

I am not having much luck.....it's probably there, but I really don't know what too look for except the coil. If you got any more info to help me I will keep looking. (I'm an HF guy hi hi)
useing v.15
(I will check my older handbooks and see if it appears their)

Dale K9TTT

[Non-text portions of this message have been removed]

4919. Re: Icom rasing prices

Yahoo group: ham-antennas (2008)
Date: 2008-05-20 15:43:47 UTC
From: Bill Kitchin
Topic: 4911 Message: 4919

Sure. High energy prices and a damn dollar that is becoming worthless due to a VERY irresponcible Gov't. I am surprised that they managed to hold the line so well so far, b ut a CVo. has to make a profit....

I am a financial Advisor and I am telling my clients to SAVE their $$$ for wjhat's in store for us.

Kitch in Zona

[Non-text portions of this message have been removed]

4920. Re: [ham-antennas] Half wave CB style verticals

Yahoo group: ham-antennas (2008)
Date: 2008-05-20 15:48:48 UTC
From: Andy
Topic: 4790 Message: 4920

> Thank you for the responses - although completely inconclusive. I had a
> half-wave vertical with no ground on 11m before I was a ham. I compared this
> to an 11 meter 3-ele yagi that I built and the yagi normally (but not
> always) beat the vertical. I know it's quite normal to say "verticals
> without grounds don't work" however there's plenty of 2, and 70cms antennas
> without a ground that work very well. So careful thought is required here
> before shouting from the rooftops.

I'm not sure if this helps, and for all I know I'm missing what you want to know ...

But my understanding is that half-wave verticals don't need much of a ground plane at all because the half-wave point is the high impedance (minimum current) feed point.

Quarter wave verticals are fed at the maximum current point, and the current into the vertical element must always be matched by an equal but opposite polarity current from the feedpoint going somewhere else (counterpoise, radials, ground plane). If you omit said path, you severely affect that current, and therefore the current into the vertical too.

Since the half-wave's feedpoint is a minimum current point, providing a good *low-impedance* path for the equal-and-opposite current is less important. The coax and supports are always nearby so they act as counterpoises anyway, and small amounts of coupling to nearby objects are more effective, being at the hi-Z feedpoint.

You can also think of the half-wave vertical as a half-wave dipole, but rather than center-fed it is end-fed. If you took an end-fed horizontal half-wave dipole and turned it on its end, it wouldn't need a ground plane any more than it needed a flat plate next to it when it was mounted horizontally.

Many of those 2m and 70cm verticals are mounted on masts so there's your "ground" (doesn't need to be actual earth ground, but just a mirror current path); and if not, the coax feedline may provide a similar counterpoise function that allows the antenna to work semi-normally.

The half-wave's base matching network just needs to effectively transform the coax's low impedance to the half-wave element's high impedance.

Andy

4921. Should I do it?

Yahoo group: ham-antennas (2008)
Date: 2008-05-20 16:23:41 UTC
From: kc8gbg
Topic: 4921 Message: 4921

Within the month I hope to have together my first HF station I'm fresh to HF operation. I plan to have the Yaesu FT450 and tune it with the LDG z-100. My question is about the antenna. I'm thinking about the 68' or 102' version G5RV antenna but am reading mixed reviews about them. Will this setup perfom well on 40m 20m and 10m? I think those are the main bands I'll operate. I'm going to install the antenna in the attic.

4922. Re: [ham-antennas] Should I do it?

Yahoo group: ham-antennas (2008)
Date: 2008-05-20 16:46:11 UTC
From: Leonard K. Pennock
Topic: 4921 Message: 4922

I didn't have very good luck with a G5rv in the attic. You don't normally have the clearance to get the ladder line properly drooped from the antenna. I also had a lot of problems with RF in the shack from it coupling to the coax. I'm currently running a Alpha Delta DX-CC in my attic which seems to work better on every band than my G5RV did. If you can fit the 102' G5RV you won't have any problem getting the DX-CC in. If 75' is too long take a look at the DX-EE.

Unless you already have the Z100 I would look at the AT100pro instead. Has full auto mode that is lacking on the Z100 and requires no interface to the radio.

kc8gbg wrote:
> Within the month I hope to have together my first HF station I'm fresh
> to HF operation. I plan to have the Yaesu FT450 and tune it with the
> LDG z-100. My question is about the antenna. I'm thinking about the
> 68' or 102' version G5RV antenna but am reading mixed reviews about
> them. Will this setup perfom well on 40m 20m and 10m? I think those
> are the main bands I'll operate. I'm going to install the antenna in
> the attic.
>
>

--
Leonard K. Pennock
AD7AS

Those who walk bravely through life, unafraid of loss or failure,
find that they very rarely lose or fail.

4923. Re: [ham-antennas] Re: Icom rasing prices

Yahoo group: ham-antennas (2008)
Date: 2008-05-20 17:07:13 UTC
From: John Hinshaw
Topic: 4911 Message: 4923

A salesman? My guess is ICOM is dropping their rebates thus "rasing" prices.

John
KE7JSL

yash@... wrote:
> Maybe ,the sky is falling also. The dollar is still falling against the yen, hence more dollars needed to buy Asian radios.
> dale wt4t
> -----Original Message-----
> From: Commander John < crazytvjohn@ yahoo.com >
> To: ham-antennas@ yahoogroups. com
> Cc: Commander John < hamradio_w9zy- 2@... >
> Sent: Tue, 20 May 2008 7:00 am
> Subject: Re: [ham-antennas] Re: Icom rasing prices
> How do we know that this is true? I haven't seen this warning elsewhere. It more likely stems from resellers that need to move Icoms junk in a world where there is less money available due to wall street predatory interests and Gas Men.
> john w9zy
> ========== ===> w9zy
> ICOM is raising all prices across the board by anywhere from 10-20% on June
> 1. The other mfrs. are expected to follow suit shortly thereafter. So
> anybody on the fence about buying a new rig- act now!
> Joe
> W9ZY
> .... Commander John ....
> [Non-text portions of this message have been removed]
> [Non-text portions of this message have been removed]
>

4924. Re: [ham-antennas] Should I do it?

Yahoo group: ham-antennas (2008)
Date: 2008-05-20 17:34:04 UTC
From: MAXXOUT2@AOL.COM
Topic: 4921 Message: 4924

At my old QTH I was able to have a antenna for each band.
The good days are gone.
I never used the G5RV but like you have hear pro and con about it.
Just my 2 cents but I would try it and what bands don't seem to good,say 20 meters use a coil loaded short dipole just for that band.
As I said just my 2 cents but I found this link by KC8AON.
Maybe it will be of some help to you.
BOB
AF2Q _http://www.fpqrp.net/g5rv.htm_ (http://www.fpqrp.net/g5rv.htm)

In a message dated 5/20/2008 9:24:13 AM Pacific Daylight Time,
kc8gbg@... writes:

Within the month I hope to have together my first HF station I'm fresh to HF operation. I plan to have the Yaesu FT450 and tune it with the LDG z-100. My question is about the antenna. I'm thinking about the 68' or 102' version G5RV antenna but am reading mixed reviews about them. Will this setup perfom well on 40m 20m and 10m? I think those are the main bands I'll operate. I'm going to install the antenna in the attic.

**********Wondering what's for Dinner Tonight? Get new twists on family favorites at AOL Food.
(http://food.aol.com/dinner-tonight?NCID=aolfod00030000000001)

[Non-text portions of this message have been removed]

4925. RE: [ham-antennas] Should I do it?

Yahoo group: ham-antennas (2008)
Date: 2008-05-20 18:44:28 UTC
From: Kirk Morrison
Topic: 4921 Message: 4925

In theory it wont need a tuner on 20, mine wont tune 15, but does well on 40 and ok on 80 and if I short the braid and center of the coax and feed it against ground it does fine on 160, but I have better results with an all band doublet and I hope to have the G5RV replaced soon with a loop and a Windom as I am less than thrilled with the G5RV's performance on several needed bands. YMMV as your near and far field will most likely be different than mine. I am building a couple of wire beams also to make it easier to work DX

Kirk
To: ham-antennas@yahoogroups.com
From: MAXXOUT2@...
Date: Tue, 20 May 2008 13:34:04 -0400
Subject: Re: [ham-antennas] Should I do it?

At my old QTH I was able to have a antenna for each band.

The good days are gone.

I never used the G5RV but like you have hear pro and con about it.

Just my 2 cents but I would try it and what bands don't seem to good,say 20

meters use a coil loaded short dipole just for that band.

As I said just my 2 cents but I found this link by KC8AON.

Maybe it will be of some help to you.

BOB

AF2Q _http://www.fpqrp.net/g5rv.htm_ (http://www.fpqrp.net/g5rv.htm)

In a message dated 5/20/2008 9:24:13 AM Pacific Daylight Time,

kc8gbg@... writes:

Within the month I hope to have together my first HF station I'm fresh

to HF operation. I plan to have the Yaesu FT450 and tune it with the

LDG z-100. My question is about the antenna. I'm thinking about the

68' or 102' version G5RV antenna but am reading mixed reviews about

them. Will this setup perfom well on 40m 20m and 10m? I think those

are the main bands I'll operate. I'm going to install the antenna in

the attic.

**********Wondering what's for Dinner Tonight? Get new twists on family

favorites at AOL Food.

(http://food.aol.com/dinner-tonight?NCID=aolfod00030000000001)

[Non-text portions of this message have been removed]

Make every e-mail and IM count. Join the i?m Initiative from Microsoft.
http://im.live.com/Messenger/IM/Join/Default.aspx?source=EML_WL_ MakeCount

[Non-text portions of this message have been removed]

4926. thinking of elevated Radials... need help

Yahoo group: ham-antennas (2008)
Date: 2008-05-20 20:43:38 UTC
From: Steve Hunt
Topic: 4926 Message: 4926

Hi all,

I had it all figured out ... when I purchased my Zero-Five 43' Vertical ... laying down as much Radials as possible.

But after 32 Radials (w/lenghts of 15' to 60' and living in NH...the Granit State) the Signals just doesnt seem to get better!!! and honestly, I'm getting tired of laying down another 1000 feet of wire. I mean...I will if I have to... but now I am thinking of...

Cementing a 12' 2.5"OD galv. Pipe... 3 feet into the ground. Mounting the 43' Vertical on top of the Pipe and running an Resonant elevated Radial System! :)

Q: good or bad Idea? and get my butt back to work on the ground radials?

Q: would cutting 16AWG solid copper 1/4 wave lambda Radials work? probably YES

Q: I could run 3ea 135' Radials (160m) about 12' hight into the woods... could I bundle up all Radials? (for other bands) or should they be seperated ... and run in diff. directions? (like the ground Radials).

I mean 3 radials for 160m (135' long) 3 for 80m (64') 3 for 40m (32')... and so forth

To some it might seem like more work...doing elevated radials. BUT I have to remount the Vertical anyway...because while I hammered the 5' 2" Pole into the ground (to mount the Vertical) I noticed that after 3' ... I hit solid Granit and now the Vertical is mounted at a slight 6deg. angle (very ugly looking...and I def. have to fix it)

Anybody have some Advise?
Go elevated or continue w/ground radials (on America's worst Radiating ground)?

your thoughts as allways appreciated
73 Steve, W1CDX

4927. Re: Should I do it?

Yahoo group: ham-antennas (2008)
Date: 2008-05-20 20:51:23 UTC
From: Steve Hunt
Topic: 4921 Message: 4927

If I can give you a TIP... llok at the Cobra Wire

www.k1jek.com

I have both, and I also had a G5RV. The cobra is way better than the
G5...Honestly

And even the Junior (73') will tune on 160

Just my .02 cents worth

Good Luck 73 Steve W1CDX

--- In ham-antennas@yahoogroups.com, "kc8gbg" <kc8gbg@...> wrote:
>
> Within the month I hope to have together my first HF station I'm
fresh
> to HF operation. I plan to have the Yaesu FT450 and tune it with the
> LDG z-100. My question is about the antenna. I'm thinking about the
> 68' or 102' version G5RV antenna but am reading mixed reviews about
> them. Will this setup perfom well on 40m 20m and 10m? I think those
> are the main bands I'll operate. I'm going to install the antenna in
> the attic.
>

4928. Re: thinking of elevated Radials... need help

Yahoo group: ham-antennas (2008)
Date: 2008-05-20 20:54:02 UTC
From: Richard Zolla
Topic: 4926 Message: 4928

Steve,

I'd contact the folks at Zero-Five. After all, they are the experts.

Rick N6NKN

By the way, I'm very interested as I want to plant a Zero-Five on my
20 acres of decomposed granite in Montana.

--- In ham-antennas@yahoogroups.com, "Steve Hunt" <HuntUSA@...> wrote:
>
> Hi all,
>
> I had it all figured out ... when I purchased my Zero-Five 43'
> Vertical ... laying down as much Radials as possible.
>
> But after 32 Radials (w/lenghts of 15' to 60' and living in
NH...the
> Granit State) the Signals just doesnt seem to get better!!! and
> honestly, I'm getting tired of laying down another 1000 feet of
wire. I
> mean...I will if I have to... but now I am thinking of...
>
> Cementing a 12' 2.5"OD galv. Pipe... 3 feet into the ground.
> Mounting the 43' Vertical on top of the Pipe and running an
> Resonant elevated Radial System! :)
>
> Q: good or bad Idea? and get my butt back to work on the ground
radials?
>
> Q: would cutting 16AWG solid copper 1/4 wave lambda Radials work?
> probably YES
>
> Q: I could run 3ea 135' Radials (160m) about 12' hight into the
woods...
> could I bundle up all Radials? (for other bands) or should they
be
> seperated ... and run in diff. directions? (like the ground
Radials).
>
> I mean 3 radials for 160m (135' long) 3 for 80m (64') 3 for 40m
> (32')... and so forth
>
> To some it might seem like more work...doing elevated radials. BUT
> I have to remount the Vertical anyway...because while I hammered
the 5'

> 2" Pole into the ground (to mount the Vertical) I noticed that
after
> 3' ... I hit solid Granit and now the Vertical is mounted at a
slight
> 6deg. angle (very ugly looking...and I def. have to fix it)
>
> Anybody have some Advise?
> Go elevated or continue w/ground radials (on America's worst
Radiating
> ground)?
>
> your thoughts as allways appreciated
> 73 Steve, W1CDX
>

4929. Re: [ham-antennas] thinking of elevated Radials... need help

Yahoo group: ham-antennas (2008)
Date: 2008-05-20 20:57:19 UTC
From: Chris
Topic: 4926 Message: 4929

On Tue, May 20, 2008 at 4:43 PM, Steve Hunt <HuntUSA@...> wrote:
> Hi all,
>
> I had it all figured out ... when I purchased my Zero-Five 43'
> Vertical ... laying down as much Radials as possible.
>
> But after 32 Radials (w/lenghts of 15' to 60' and living in NH...the
> Granit State) the Signals just doesnt seem to get better!!!

How are you quantifying that? Are you talking about RX or TX?

Better compared to what?

4930. Re: [ham-antennas] thinking of elevated Radials... need help

Yahoo group: ham-antennas (2008)
Date: 2008-05-20 21:00:39 UTC
From: Chris
Topic: 4926 Message: 4930

On Tue, May 20, 2008 at 4:57 PM, Chris <kc2rgw@...> wrote:
> On Tue, May 20, 2008 at 4:43 PM, Steve Hunt <HuntUSA@...> wrote:
>> Hi all,
>>
>> I had it all figured out ... when I purchased my Zero-Five 43'
>> Vertical ... laying down as much Radials as possible.
>>
>> But after 32 Radials (w/lenghts of 15' to 60' and living in NH...the
>> Granit State) the Signals just doesnt seem to get better!!!
>
> How are you quantifying that? Are you talking about RX or TX?
>
> Better compared to what?
>

Forgot another .02, it's a compromise antenna, so it's going to
perform the best on 20m/40m and be a compromise on the other bands for
the most part. Were you aware of this? Are expectations appropriate?

4931. Re: [ham-antennas] thinking of elevated Radials... need help

Yahoo group: ham-antennas (2008)
Date: 2008-05-20 21:10:02 UTC
From: vaclav sal
Topic: 4926 Message: 4931

Elevated radials are the only way to build vertical antennas and not go broke or discouraged in nice hobby.
Three would do plenty, four would be better.
Since this artificial "ground plane" is in theory only the missing half of the vertical dipole - its length does not have to be exactly half wavelength.
Some sources say 5% longer than half wavelength on the lowest frequency will do.
Definitely do not need a separate set for each band!
If you have room, I would try to connect the ends of the radials and check if that makes noticeable difference. I doubt it will.

73 Vaclav AA7EJ

[Non-text portions of this message have been removed]

4932. RE: [ham-antennas] thinking of elevated Radials... need help

Yahoo group: ham-antennas (2008)
Date: 2008-05-20 23:17:09 UTC
From: Rich Schmuke
Topic: 4926 Message: 4932

I have also seen the note about 5% longer in references, thinking along those lines if you make a dipole , vertical or horizontal , why would you make one leg longer?? Not trying to disagree with Vaclav, I am just trying to understand.

KD0ZZ , Rich

I am not getting older but having a propagation problem with the neurons in the grey matter.

Any errors in spelling or facts are tramsmission errors

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of vaclav sal
Sent: Tuesday, May 20, 2008 4:10 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] thinking of elevated Radials... need help

Elevated radials are the only way to build vertical antennas and not go broke or discouraged in nice hobby.
Three would do plenty, four would be better.
Since this artificial "ground plane" is in theory only the missing half of the vertical dipole - its length does not have to be exactly half wavelength.
Some sources say 5% longer than half wavelength on the lowest frequency will do.
Definitely do not need a separate set for each band!
If you have room, I would try to connect the ends of the radials and check if that makes noticeable difference. I doubt it will.

73 Vaclav AA7EJ

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

4933. RE: [ham-antennas] thinking of elevated Radials... need help

Yahoo group: ham-antennas (2008)
Date: 2008-05-20 23:40:38 UTC
From: John P.
Topic: 4926 Message: 4933

Recently, searching via Google, I saw a good discussion dealing with sloped (e.g. 45 degree) radials, number of radials that also presented data as far as impedance, efficiency and more.

Just my 10 cents (2 cents not enough for gasoline these days).

Rich Schmuke <rdj@...> wrote:
I have also seen the note about 5% longer in references, thinking along those lines if you make a dipole , vertical or horizontal , why would you make one leg longer?? Not trying to disagree with Vaclav, I am just trying to understand.

KD0ZZ , Rich

I am not getting older but having a propagation problem with the neurons in the grey matter.

Any errors in spelling or facts are tramsmission errors

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of vaclav sal
Sent: Tuesday, May 20, 2008 4:10 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] thinking of elevated Radials... need help

Elevated radials are the only way to build vertical antennas and not go broke or discouraged in nice hobby.
Three would do plenty, four would be better.
Since this artificial "ground plane" is in theory only the missing half of the vertical dipole - its length does not have to be exactly half wavelength.
Some sources say 5% longer than half wavelength on the lowest frequency will do.
Definitely do not need a separate set for each band!
If you have room, I would try to connect the ends of the radials and check if that makes noticeable difference. I doubt it will.

73 Vaclav AA7EJ

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

4934. Name That Antenna

Yahoo group: ham-antennas (2008)
Date: 2008-05-21 01:08:32 UTC
From: Mike (WM4B) Besemer
Topic: 4934 Message: 4934

Greetings all,

I just posted 5 photos in the 'Name That Antenna' folder. This antenna was discovered by a friend of mine and thus far, neither of us have been able to ID it. I told him I'd post it here in hopes that someone would recognize it.

Thanks for the assist.

73,

Mike
WM4B

4935. Re: thinking of elevated Radials... need help

Yahoo group: ham-antennas (2008)
Date: 2008-05-21 01:26:11 UTC
From: Steve Hunt
Topic: 4926 Message: 4935

hey Rick... yes I should, but I really don't want to bother them unless I have a real problem...

...This is just not having "any" knowledge of Antenna's Hi

I am going to check my Ground Rod again... Try to pound in a second one 10 feet away...(maybe I can somehow bypass that Bolder I hit with the first Pole and groundrod)

Then I'm gonna lay about 24 more shorter (15') Radials... In the upper most section of the Yard.

But before I do anything...I'm gonna wait for my miniVNA to arrive...so I can measure SWR, Impedance and losses ... for all I know It could be a the RG213 feed line. I will see and post here again.

Thanks fer the Tip, Rick
Steve, W1CDX

--- In ham-antennas@yahoogroups.com, "Richard Zolla" <N6NKN@...> wrote:
>
> Steve,
>
> I'd contact the folks at Zero-Five. After all, they are the experts.
>
> Rick N6NKN
>
> By the way, I'm very interested as I want to plant a Zero-Five on my
> 20 acres of decomposed granite in Montana.
>
>
>

4936. Re: [ham-antennas] Re: vertical antenna

Yahoo group: ham-antennas (2008)
Date: 2008-05-21 02:02:56 UTC
From: DAVID MILLER
Topic: 1089 Message: 4936

----- Original Message -----
From: Bill
To: ham-antennas@yahoogroups.com
Sent: Monday, May 19, 2008 10:49 AM
Subject: [ham-antennas] Re: vertical antenna

Hi Dave, I have the R7 and it doesn't do 80m. Hustler verticals either do 80m or can be made to do 80m with an add-on resonator. Don't know their performance first hand, but owners give mostly good reviews at eHam. Rather subjective. I was considering the 6 band model before being given the R7. I have homebrew windom that does 80m. So far I only do 80m for regional ragchewing, I guess the vertical would get you a lower radiation for longer range. You said you live in a hole. Do you mean a small lot or a section of land lower than the suroundings? I don't know enough yet to know if that would affect the lower radiation angle from a vertical.
Good luck

Bill KC2SUO

>
> No my R5 is 20-10 meter as the antennas go newer they go lower there are ones that to 80 and 40 too. Go to cushcraft web site. If they work on 80 they will work poorly. but they do work. you could throw wire and tune it. That works too. somewhat.
> john
>
> DAVID MILLER <davidbmiller@...> wrote:
> Does it work on 80 meters?

[Non-text portions of this message have been removed]

4937. Re: [ham-antennas] Re: vertical antenna

Yahoo group: ham-antennas (2008)
Date: 2008-05-21 02:05:35 UTC
From: DAVID MILLER
Topic: 1089 Message: 4937

does anyone know if the hustler vertical performs well on a pole high with out radials?
----- Original Message -----
From: DAVID MILLER
To: ham-antennas@yahoogroups.com
Sent: Tuesday, May 20, 2008 9:02 PM
Subject: Re: [ham-antennas] Re: vertical antenna

----- Original Message -----
From: Bill
To: ham-antennas@yahoogroups.com
Sent: Monday, May 19, 2008 10:49 AM
Subject: [ham-antennas] Re: vertical antenna

Hi Dave, I have the R7 and it doesn't do 80m. Hustler verticals
either do 80m or can be made to do 80m with an add-on resonator.
Don't know their performance first hand, but owners give mostly good
reviews at eHam. Rather subjective. I was considering the 6 band
model before being given the R7. I have homebrew windom that does
80m. So far I only do 80m for regional ragchewing, I guess the
vertical would get you a lower radiation for longer range. You said
you live in a hole. Do you mean a small lot or a section of land
lower than the suroundings? I don't know enough yet to know if that
would affect the lower radiation angle from a vertical.
Good luck

Bill KC2SUO

>
> No my R5 is 20-10 meter as the antennas go newer they go lower
there are ones that to 80 and 40 too. Go to cushcraft web site. If
they work on 80 they will work poorly. but they do work. you could
throw wire and tune it. That works too. somewhat.
> john
>
> DAVID MILLER <davidbmiller@...> wrote:
> Does it work on 80 meters?

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

4938. Re: [ham-antennas] Re: vertical antenna

Yahoo group: ham-antennas (2008)
Date: 2008-05-21 02:29:41 UTC
From: BOB
Topic: 1089 Message: 4938

I think that would be true.
Even if you lived 3,000 feet ASL but had hills around your QTH it's going to affect the RF
I think KC8AON is on this list and he tried working me SSB.
I j had to plaster my ear to the speaker and just about made him out.
I thought he was QRP and he told me he was running the full 100 watts but he has hills all around him
BOB
AF2Q

4939. Re: [ham-antennas] thinking of elevated Radials... need help

Yahoo group: ham-antennas (2008)
Date: 2008-05-21 05:00:08 UTC
From: mblaise@nycap.rr.com
Topic: 4926 Message: 4939

Steve,

Just curious about how the Zero-Five is working the way you have it set up now? I have heard this is one great antenna for DX!

How does it compare to your Cobra Wire antenna?

Thanks,
Mike
---- Steve Hunt <HuntUSA@...> wrote:

==========
Hi all,

I had it all figured out ... when I purchased my Zero-Five 43' Vertical ... laying down as much Radials as possible.

But after 32 Radials (w/lenghts of 15' to 60' and living in NH...the Granit State) the Signals just doesnt seem to get better!!! and honestly, I'm getting tired of laying down another 1000 feet of wire. I mean...I will if I have to... but now I am thinking of...

Cementing a 12' 2.5"OD galv. Pipe... 3 feet into the ground. Mounting the 43' Vertical on top of the Pipe and running an Resonant elevated Radial System! :)

Q: good or bad Idea? and get my butt back to work on the ground radials?

Q: would cutting 16AWG solid copper 1/4 wave lambda Radials work? probably YES

Q: I could run 3ea 135' Radials (160m) about 12' hight into the woods... could I bundle up all Radials? (for other bands) or should they be seperated ... and run in diff. directions? (like the ground Radials).

I mean 3 radials for 160m (135' long) 3 for 80m (64') 3 for 40m (32')... and so forth

To some it might seem like more work...doing elevated radials. BUT I have to remount the Vertical anyway...because while I hammered the 5' 2" Pole into the ground (to mount the Vertical) I noticed that after 3' ... I hit solid Granit and now the Vertical is mounted at a slight 6deg. angle (very ugly looking...and I def. have to fix it)

Anybody have some Advise?
Go elevated or continue w/ground radials (on America's worst Radiating ground)?

your thoughts as allways appreciated
73 Steve, W1CDX

4940. Re: thinking of elevated Radials... need help

Yahoo group: ham-antennas (2008)
Date: 2008-05-21 13:13:48 UTC
From: Steve Hunt
Topic: 4926 Message: 4940

Hi Mike,

right now... the way I have it setup; The Cobra Dipole work's alot better. RX wise it receives about 3-5db stronger, and TX wise...well probably the same (I'm just not satisfied)

I too have read all the good reports on this Antenna, and I do have to say...The Antenna is superbly built, and I am positive that I have a problem with one of my components... I think maybe my radial-plate (Penninger Radial Plate) might be too far off the ground (2"). Maybe I should mount the plate to the pole and let it touch the ground...So I can pull the Radials straight, instead of that little 2" step up to the plate. I will lay down a few more Radials, maybe a dozend or 2, and see what happens.

I just can't believe 50 or so HAMS would falsify the "5.o Reviews" they gave about this Antenna...

But I'm not done with it yet...I will get this thing to work better than it does!

So hang on, Mike
I will report back
Steve, W1CDX
--- In ham-antennas@yahoogroups.com, <mblaise@...> wrote:
>
> Steve,
>
> Just curious about how the Zero-Five is working the way you have it set up now? I have heard this is one great antenna for DX!
>
> How does it compare to your Cobra Wire antenna?
>
> Thanks,
> Mike

4941. RE: [ham-antennas] Re: thinking of elevated Radials... need help

Yahoo group: ham-antennas (2008)
Date: 2008-05-21 13:33:12 UTC
From: Rich Schmuke
Topic: 4926 Message: 4941

I would not worry about a plate 2" off the ground being too low. To test it , set up a 2m vert on your bench, you can see then that it works better with the radials at about 45 degrees than at 90. I would raise it so the radials can go out on an angle. That is how I did my 20m vertical.

Rich , Kd0zz

As an act of plagiarism . Disclaimer: Any errors in spelling or facts are transmission errors.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Steve Hunt
Sent: Wednesday, May 21, 2008 8:14 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: thinking of elevated Radials... need help

Hi Mike,

right now... the way I have it setup; The Cobra Dipole work's alot better. RX wise it receives about 3-5db stronger, and TX wise...well probably the same (I'm just not satisfied)

I too have read all the good reports on this Antenna, and I do have to say...The Antenna is superbly built, and I am positive that I have a problem with one of my components... I think maybe my radial-plate (Penninger Radial Plate) might be too far off the ground (2"). Maybe I should mount the plate to the pole and let it touch the ground...So I can pull the Radials straight, instead of that little 2" step up to the plate. I will lay down a few more Radials, maybe a dozend or 2, and see what happens.

I just can't believe 50 or so HAMS would falsify the "5.o Reviews" they gave about this Antenna...

But I'm not done with it yet...I will get this thing to work better than it does!

So hang on, Mike
I will report back
Steve, W1CDX
--- In ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com> , <mblaise@...> wrote:
>
> Steve,
>
> Just curious about how the Zero-Five is working the way you have it set up now? I have heard this is one great antenna for DX!

>
> How does it compare to your Cobra Wire antenna?
>
> Thanks,
> Mike

[Non-text portions of this message have been removed]

4942. Re: [ham-antennas] Re: thinking of elevated Radials... need help

Yahoo group: ham-antennas (2008)
Date: 2008-05-21 13:34:07 UTC
From: Chris
Topic: 4926 Message: 4942

A LOT of the reviews on eham for the zerofive are astroturfing IMO. The claims are just not possible for what the antenna is. I was very curious about that antenna and did some modeling in MMANA and when you wide band tune a vertical that is long for the band, the radiation angle is horrible.

Also, the conditions right now are horrible to test a vertical, the bands have hardly been open lately.

I run a GAP Titan (also a big compromise antenna) in addition to wire antennas and when the band is open, depending upon conditions it can be a real winner. It all depends on how the propagation is working though.

I think you'll notice very different noise characteristics between your wire and the vertical as well.

The vertical shines with the more distant contacts, the bands just haven't really been open for that lately.

On Wed, May 21, 2008 at 9:13 AM, Steve Hunt <HuntUSA@...> wrote:
> Hi Mike,
>
> right now... the way I have it setup; The Cobra Dipole work's alot
> better. RX wise it receives about 3-5db stronger, and TX wise...well
> probably the same (I'm just not satisfied)

> I just can't believe 50 or so HAMS would falsify the "5.o Reviews"
> they gave about this Antenna...
>

4943. Re: vertical antenna

Yahoo group: ham-antennas (2008)
Date: 2008-05-21 14:16:12 UTC
From: n0cgf
Topic: 1089 Message: 4943

The vertical will REQUIRE radials to work. The Radials are the other half of the antenna. Hustler states can be ground mounted with out Radials but, that will only WORK if the soil is moist enough to conduct. I live in a residential area and I use a elevated Hustler 6btv with elevated radials at 10 feet and get excellent results on 40 meters, better than my dipole on 40 meters at 30 feet high (way to low of height for 40 meters). When ground mounted because of the houses around the vertical antenna with radials perfomance was not good.
73's N0CGF Dennis

--- In ham-antennas@yahoogroups.com, "DAVID MILLER" <davidbmiller@...> wrote:
>
> does anyone know if the hustler vertical performs well on a pole high with out radials?
> ----- Original Message -----
> From: DAVID MILLER
> To: ham-antennas@yahoogroups.com
> Sent: Tuesday, May 20, 2008 9:02 PM
> Subject: Re: [ham-antennas] Re: vertical antenna
>
>
>
> ----- Original Message -----
> From: Bill
> To: ham-antennas@yahoogroups.com
> Sent: Monday, May 19, 2008 10:49 AM
> Subject: [ham-antennas] Re: vertical antenna
>
> Hi Dave, I have the R7 and it doesn't do 80m. Hustler verticals
> either do 80m or can be made to do 80m with an add-on resonator.
> Don't know their performance first hand, but owners give mostly good
> reviews at eHam. Rather subjective. I was considering the 6 band
> model before being given the R7. I have homebrew windom that does
> 80m. So far I only do 80m for regional ragchewing, I guess the
> vertical would get you a lower radiation for longer range. You said
> you live in a hole. Do you mean a small lot or a section of land
> lower than the suroundings? I don't know enough yet to know if that
> would affect the lower radiation angle from a vertical.
> Good luck

>
> Bill KC2SUO
>
> >
> > No my R5 is 20-10 meter as the antennas go newer they go lower
> there are ones that to 80 and 40 too. Go to cushcraft web site.
If
> they work on 80 they will work poorly. but they do work. you
could
> throw wire and tune it. That works too. somewhat.
> > john
> >
> > DAVID MILLER <davidbmiller@> wrote:
> > Does it work on 80 meters?
>
> [Non-text portions of this message have been removed]
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

4944. Re: Suggestions for dipole supports

Yahoo group: ham-antennas (2008)
Date: 2008-05-21 16:30:41 UTC
From: djohn393
Topic: 4591 Message: 4944

--- In ham-antennas@yahoogroups.com, Chris <kingsqueak@...> wrote:
>
> For 20 feet, I recommend hurricane fence 'top rail' Home Depot sells
> it for $9.50 for a 10' length locally. I took the slip joints and
> drilled them and ran sheet metal screws in to set the joint.
>

I saw 21 ft top rail pipes at Menards.

4945. Re: [ham-antennas] Name That Antenna

Yahoo group: ham-antennas (2008)
Date: 2008-05-21 19:31:28 UTC
From: Ken Burchfield
Topic: 4934 Message: 4945

Hi, Mike,
That is an interesting antenna, I have not seen one like it , to my memory!
My first observation it appears to made for multi-band service for vertical radiation.
With what appears many traps? and the Circle toward the top maybe a toploading for the section.
Now asking for some Clues!!!!
1. Does it have any marking for manufacturer,or is a home-brew unit.
2. Where was it found!, Ham operation area, or commercial?
3. Does it appear to have been made by commercial .?
4. Do you have any measurements available?
5. Measurements that give the distance and length between what appears a traps?
6 This is very interesting and an answer would be nice, I have seen many antennas ,never on like this.
7. The feed? at the base and what appears as insulator to the left, was there an radials??
8 If someone has an analyzer they could see where each resonate freq is??
73 Ken
Hope some will give us the answer.

PacketRadio is Still Alive.....Mississippi.....145.010.....Simplex.....1200 Baud

----- Original Message ----
From: Mike (WM4B) Besemer <mwbesemer@...>
To: ham-antennas@yahoogroups.com
Sent: Tuesday, May 20, 2008 7:08:32 PM
Subject: [ham-antennas] Name That Antenna

Greetings all,

I just posted 5 photos in the 'Name That Antenna' folder. This antenna
was discovered by a friend of mine and thus far, neither of us have
been able to ID it. I told him I'd post it here in hopes that someone
would recognize it.

Thanks for the assist.

73,

Mike
WM4B

__.

[Non-text portions of this message have been removed]

4946. 6 meter Cushcraft

Yahoo group: ham-antennas (2008)
Date: 2008-05-21 21:06:28 UTC
From: N0ATH
Topic: 4946 Message: 4946

I have been trying to reply to KR6G to assist
with his antenna but his addresses' do not allow
them to go thru --
As I picked up his initial mail here possibly he
will see this and reply to me - Sorry Alex - I
can't reach you - Thanks to the group for the relay!
Dave / N?ATH

4947. Re: [ham-antennas] Name That Antenna

Yahoo group: ham-antennas (2008)
Date: 2008-05-21 22:42:38 UTC
From: Ken Burchfield
Topic: 4934 Message: 4947

After a few hours of searching could not find it, it does look like maybe a vry old Hustler 5 band? or perhaps a homebrew cpy:
Check their website for pictures.
73 Ken
5 Band Vertical HF Fixed Station
10, 15, 20, 40, and 75 or 80 Meters
_____
Full band coverage on 10-40 meters (1.6:1 at band edges typical). Solid one inch fiberglass trap forms for optimum mechanical stability. Heavy gauge aluminum with stainless steel hardware construction throughout. Feed with any length 50 ohm coax.
_____
Model 5-BTV
* Electrical:
* SWR: 1.6:1 at band edges
* Bandwidth: up to 100 kHz. on 75/80 meters
* Power: full legal limit CW and SSB 1000 watts
* Mechanical:
* Length: 25'1" long
* Weight: 17 lb.
* Wind Load: 29 lb. at 70 mph
* Mounting:
* Ground mount with or without radials, roof or tower mount with radials.
* Vertical support up to 1.75 in. O.D. pipe.

PacketRadio is Still Alive.....Mississippi.....145.010.....Simplex.....1200 Baud

----- Original Message ----
From: Ken Burchfield <k5jxl@...>
To: ham-antennas@yahoogroups.com
Sent: Wednesday, May 21, 2008 1:31:28 PM
Subject: Re: [ham-antennas] Name That Antenna

Hi, Mike,
That is an interesting antenna, I have not seen one like it , to my memory!
My first observation it appears to made for multi-band service for vertical radiation.
With what appears many traps? and the Circle toward the top maybe a toploading for the section.
Now asking for some Clues!!!!
1. Does it have any marking for manufacturer, or is a home-brew unit.
2. Where was it found!, Ham operation area, or commercial?
3. Does it appear to have been made by commercial .?
4. Do you have any measurements available?
5. Measurements that give the distance and length between what appears a traps?
6 This is very interesting and an answer would be nice, I have seen many antennas ,never on like this.
7. The feed? at the base and what appears as insulator to the left, was there an radials??

8 If someone has an analyzer they could see where each resonate freq is??
73 Ken
Hope some will give us the answer.

PacketRadio is Still Alive..... Mississippi. .....145. 010..... .Simplex. .....1200 Baud

----- Original Message ----
From: Mike (WM4B) Besemer <mwbesemer@cox. net>
To: ham-antennas@ yahoogroups. com
Sent: Tuesday, May 20, 2008 7:08:32 PM
Subject: [ham-antennas] Name That Antenna

Greetings all,

I just posted 5 photos in the 'Name That Antenna' folder. This antenna was discovered by a friend of mine and thus far, neither of us have been able to ID it. I told him I'd post it here in hopes that someone would recognize it.

Thanks for the assist.

73,

Mike
WM4B

__.

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

4948. Re: [ham-antennas] Name That Antenna

Yahoo group: ham-antennas (2008)
Date: 2008-05-21 23:25:46 UTC
From: MAXXOUT2@AOL.COM
Topic: 4934 Message: 4948

That looks to be a very early vintage Higain 18HT Hi-Tower vertical antenna.
That ring on the top is a capacity hat to get you on 80 meters
The early antennas had the traps exposed and unprotected like shown in that picture.
I think Higain still makes that antenna but with much better upgrades
BOB
AF2Q PS: that date when that antenna came out was around 1968
BOB
AF2Q

In a message dated 5/21/2008 3:42:57 P.M. Pacific Standard Time,
k5jxl@... writes:

After a few hours of searching could not find it, it does look like maybe a vry old Hustler 5 band? or perhaps a homebrew cpy:
Check their website for pictures.
73 Ken
5 Band Vertical HF Fixed Station
10, 15, 20, 40, and 75 or 80 Meters

**********Get trade secrets for amazing burgers. Watch "Cooking with Tyler Florence" on AOL Food.
(http://food.aol.com/tyler-florence?video=4&?NCID=aolfod00030000000002)

[Non-text portions of this message have been removed]

4949. Re: [ham-antennas] Re: Suggestions for dipole supports

Yahoo group: ham-antennas (2008)
Date: 2008-05-21 23:54:57 UTC
From: John P.
Topic: 4591 Message: 4949

Of course, trees come to mind first.

HOWEVER, someone did suggest the use of 20 foot stair railing. I have heard that these can be purchased for $1.50 per foot and come in 20 foot lengths. So for $30.00 you have a 20 foot support.

Just my 10 cents (crude oil is up from 2 cents)

djohn393 <johnd393@...> wrote:
--- In ham-antennas@yahoogroups.com, Chris <kingsqueak@...> wrote:
>
> For 20 feet, I recommend hurricane fence 'top rail' Home Depot sells
> it for $9.50 for a 10' length locally. I took the slip joints and
> drilled them and ran sheet metal screws in to set the joint.
>

I saw 21 ft top rail pipes at Menards.

[Non-text portions of this message have been removed]

4950. RE: [ham-antennas] Name That Antenna

Yahoo group: ham-antennas (2008)
Date: 2008-05-22 01:36:30 UTC
From: Mike Besemer (WM4B)
Topic: 4934 Message: 4950

That's what we kind of think too. The vintage seems about right and for some reason Hygain came to mind when looking at it.

The antenna came from FAA surplus. he's trying to figure out what it was hooked to.

The measurements are very similar to current Hygain designs for a 5-band vertical. It has no provision for attaching radials, which may indicate that it was designed for gov't/military applications where there is a VERY large array of buried radials already in place. (You'd be amazed at what's underground at an FAA Comm site!) It certainly does not appear militarized/ruggedized at all however. I agree about the ring being a capacity hat. Current designs use something that looks like the spokes of a wheel, but the intent appears to be the same.

The mounting arrangement only reminded me of a CushCraft Ringo Ranger. everything Hygain has made for as long as I can remember has used U-bolts.

I'll pass this on to him and see if he can put anything else together. Eventually, we'll apply power and tune for maximum smoke!

Thanks all,

Mike

WM4B

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of MAXXOUT2@...
Sent: Wednesday, May 21, 2008 7:26 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Name That Antenna

That looks to be a very early vintage Higain 18HT Hi-Tower vertical antenna.
That ring on the top is a capacity hat to get you on 80 meters
The early antennas had the traps exposed and unprotected like shown in that picture.
I think Higain still makes that antenna but with much better upgrades
BOB
AF2Q PS: that date when that antenna came out was around 1968
BOB
AF2Q

In a message dated 5/21/2008 3:42:57 P.M. Pacific Standard Time, k5jxl@... <mailto:k5jxl%40yahoo.com> writes:

After a few hours of searching could not find it, it does look like maybe a vry old Hustler 5 band? or perhaps a homebrew cpy:

Check their website for pictures.
73 Ken
5 Band Vertical HF Fixed Station
10, 15, 20, 40, and 75 or 80 Meters

**********Get trade secrets for amazing burgers. Watch "Cooking with Tyler Florence" on AOL Food.
(http://food.aol.com/tyler-florence?video=4
<http://food.aol.com/tyler-florence?video=4&?NCID=aolfod00030000000002>
&?NCID=aolfod00030000000002)

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

4951. Re: [ham-antennas] Re: Suggestions for dipole supports

Yahoo group: ham-antennas (2008)
Date: 2008-05-22 02:24:38 UTC
From: DRJVM@AOL.COM
Topic: 4591 Message: 4951

Off the back deck of my house I ran a mast along the top railing and out off the deck about 8 feet. I secured it with multiple bungee cords. Its the top support for my inverted Vee. Its about 35 feet off the ground. Ran ladder line down to the ground and then coax back up to the shack. Each leg is held in place with a 5 gallon paint bucket filled with cement & a 10 foot mast coming out of it. Works like a champ. I have no trees on my lot.

Joe

**********Get trade secrets for amazing burgers. Watch "Cooking with Tyler Florence" on AOL Food.
(http://food.aol.com/tyler-florence?video=4&?NCID=aolfod00030000000002)

[Non-text portions of this message have been removed]

4952. Re: [ham-antennas] Name That Antenna http://www.hy-gain.com/man/pdf/AV-18HT.pdf

Yahoo group: ham-antennas (2008)
Date: 2008-05-22 04:05:32 UTC
From: MAXXOUT2@AOL.COM
Topic: 4952 Message: 4952

The very early higain antennas didn't have provisions to mount radials.
In fact I remember they said in one of the manuals that if you drive apipe
in the ground and didn't go higher then 4 feet you didn't need radials.
Anyway I updated the adobe thing and now can't open PDF files.
This is the manual for the AV-18HT antenna
Appx 40 pages so it should have pictures.
I tried three times and my lap top hangs up then says Adobe reader not
responding.
http://www.hy-gain.com/man/pdf/AV-18HT.pdf
(http://www.hy-gain.com/man/pdf/AV-18HT.pdf)
BOB
AF2Q

In a message dated 5/21/2008 6:37:17 PM Pacific Daylight Time,
mwbesemer@... writes:

That's what we kind of think too. The vintage seems about right and for some
reason Hygain came to mind when looking at it.

The antenna came from FAA surplus. he's trying to figure out what it was
hooked to.

The measurements are very similar to current Hygain designs for a 5-band
vertical. It has no provision for attaching radials, which may indicate
that it was designed for gov't/military applications where there is a VERY
large array of buried radials already in place. (You'd be amazed at what's
underground at an FAA Comm site!) It certainly does not appear
militarized/ruggedized at all however. I agree about the ring being a
capacity hat. Current designs use something that looks like the spokes of a
wheel, but the intent appears to be the same.

The mounting arrangement only reminded me of a CushCraft Ringo Ranger.
everything Hygain has made for as long as I can remember has used U-bolts.

**********Get trade secrets for amazing burgers. Watch "Cooking with
Tyler Florence" on AOL Food.
(http://food.aol.com/tyler-florence?video=4&?NCID=aolfod00030000000002)

[Non-text portions of this message have been removed]

4953. Re: [ham-antennas] Name That Antenna http://www.hy-gain.com/man/pdf/AV-18HT.pdf

Yahoo group: ham-antennas (2008)
Date: 2008-05-22 04:15:03 UTC
From: Hammin' Kelly
Topic: 4952 Message: 4953

I couldn't get link to work so went thru their site.
this link is one I found
http://www.hy-gain.com/man/pdf/AV-18HT.pdf

--- MAXXOUT2@... wrote:

>
> The very early higain antennas didn't have
> provisions to mount radials.
> In fact I remember they said in one of the manuals
> that if you drive apipe
> in the ground and didn't go higher then 4 feet you
> didn't need radials.
> Anyway I updated the adobe thing and now can't open
> PDF files.
> This is the manual for the AV-18HT antenna
> Appx 40 pages so it should have pictures.
> I tried three times and my lap top hangs up then
> says Adobe reader not
> responding.
> _http://www.hy-gain.com/man/pdf/AV-18HT.pdf_
> (http://www.hy-gain.com/man/pdf/AV-18HT.pdf)
> BOB
> AF2Q
>
>
> In a message dated 5/21/2008 6:37:17 PM Pacific
> Daylight Time,
> mwbesemer@... writes:
>
> That's what we kind of think too. The vintage seems
> about right and for some
> reason Hygain came to mind when looking at it.
>
>
>
> The antenna came from FAA surplus. he's trying to
> figure out what it was
> hooked to.
>
>
>
> The measurements are very similar to current Hygain
> designs for a 5-band

> vertical. It has no provision for attaching
> radials, which may indicate
> that it was designed for gov't/military
> applications where there is a VERY
> large array of buried radials already in place.
> (You'd be amazed at what's
> underground at an FAA Comm site!) It certainly
> does not appear
> militarized/ruggedized at all however. I agree
> about the ring being a
> capacity hat. Current designs use something that
> looks like the spokes of a
> wheel, but the intent appears to be the same.
>
>
>
> The mounting arrangement only reminded me of a
> CushCraft Ringo Ranger.
> everything Hygain has made for as long as I can
> remember has used U-bolts.
>
>
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>
> **********Get trade secrets for amazing burgers.
> Watch "Cooking with
> Tyler Florence" on AOL Food.
>
(http://food.aol.com/tyler-florence?video=4&?NCID=aolfod00030000000002)
>
>
> [Non-text portions of this message have been
> removed]
>
>

4954. Re: Name That Antenna http://www.hy-gain.com/man/pdf/AV-18HT.pdf

Yahoo group: ham-antennas (2008)
Date: 2008-05-22 11:09:11 UTC
From: Don Rand
Topic: 4952 Message: 4954

In the mid 70's I had a Hy-Gain 18VT-WB. It had very similar traps and caps. No radial mount plate or hardware.

Don Rand
KA5DON

>
> --- MAXXOUT2@... wrote:
>
> >
> > The very early higain antennas didn't have
> > provisions to mount radials.

4955. Re: [ham-antennas] Re: Name That Antenna http://www.hy-gain.com/man/pdf/AV-18HT.pdf

Yahoo group: ham-antennas (2008)
Date: 2008-05-22 12:20:09 UTC
From: k9ttt@comcast.net
Topic: 4952 Message: 4955

FYI: Perhaps the non presense of a grounding plate, might be the same as the answer as I got when resolving a trap problem with my 5btv. Hustler informed me that that antenna was not intended to be grounded.....interesting.....your equipment
Dale H. Cole K9TTT
Jackson, MI

[Non-text portions of this message have been removed]

4956. Re: [ham-antennas] Re: Name That Antenna http://www.hy-gain.com/man/pdf/AV-18HT.pdf

Yahoo group: ham-antennas (2008)
Date: 2008-05-22 12:51:02 UTC
From: Ken Burchfield
Topic: 4952 Message: 4956

Hi Don, Small Ham World, you and Digital net don't hear me, maybe I need to do antenna work.
I am waiting to see if MFJ(hygain) will respond ....and check archives??
73 Ken.....looking for packeteers!

PacketRadio is Still Alive.....Mississippi.....145.010.....Simplex.....1200 Baud

----- Original Message ----
From: Don Rand <drand@...>
To: ham-antennas@yahoogroups.com
Sent: Thursday, May 22, 2008 5:09:11 AM
Subject: [ham-antennas] Re: Name That Antenna http://www.hy-gain.com/man/pdf/AV-18HT.pdf

In the mid 70's I had a Hy-Gain 18VT-WB. It had very similar traps and
caps. No radial mount plate or hardware.

Don Rand
KA5DON

[Non-text portions of this message have been removed]

4957. Re: [ham-antennas] Re: Name That Antenna http://www.hy-gain.com/man/pdf/AV-18HT.pdf

Yahoo group: ham-antennas (2008)
Date: 2008-05-22 17:01:00 UTC
From: Arthur Nienhouse
Topic: 4952 Message: 4957

I feel like the Hy Tower vertical by Hy Gain/mfj is the
best vertical still, it even does well tuned on 17 meters
as well as 30 meters I don't use it much on 12 but tunes
and works the dx if conditions allow, I can work what
I hear, yea I know we all say that :-)

Here is a url to my installation there are some broken
links so use the links on the left of the page.

ka9zap.com

You can see the mods for 160 meters that I have done,
The Hy Tower is 53' over all in height it
is a 3/8 wave on 20 meters it is collinear on 15,10 meters
so it has a bit of gain on these bands via the decoupling
stubs.
On 40 and 80/75 it is a 1/4 wave.
On 160 it does surprisingly well as a 1/8 wave against
ground vertical with no band width.

Radials are a must for real performance the manual calls
for 6 ground stakes 2 ft from each leg in a circle I have
attached the many 66 ft radials to them then bring this tie
point to the tower legs, as well as soldering some directly
to the heavy wire circle attached at the base of the legs.
What really picked up the system and lowered the feed
point impedance to around 30 ohms was the addition of
aluminum gutter guard captured in 3" stainless steel fender
washers at each ground stake, with NoLox as the butter
in the sandwich. This meant it was necessary
to put a coil across the feed to step up the impedance to
50 ohms.
All the radials are 66' stapled to the ground nothing is buried
the grass has hidden it all from view the radials are not straight
but bent at the end of the straight run the next one is just inside
the last as I went around the base of the antenna out and around.
I have a couple of 130' radials also but most are 66' as you can
see the yard is very small the antenna is not centered but it really
works.
The 160 air core coil is out of MFJ's big tuner it is not the better
edge wound one that they now are using I have
had no problem with it after debugging the system 7 years ago.
After a wind shear storm ripped off a huge tree limb tossed it
at the tower you can see the before and after Rohn tower my only
HF antenna is now the Hy Tower the big draw back is the vertical

noise and cross polarized local signals so on tx it works better
than on rx so some kind of listening antenna fits well with it.
The only 40 meter vertically polarized antenna that came close to or
at times was equal to the Force 12 c4 was the Hy Tower but
the vertical band noise is always going to be an issue on receive.

Regards
Art
ka9zap

4958. RE: [ham-antennas] Re: Suggestions for dipole supports

Yahoo group: ham-antennas (2008)
Date: 2008-05-22 17:56:22 UTC
From: Kirk Morrison
Topic: 4591 Message: 4958

I have used PVC pipe cut a slot and run the antenna up as a inverted V or two for a standard dipole an guy, I have used the house and trees, and made the dipole from fine wire I have hid the whole dipole in a couple of trees.

Kirk KA4PXk

> To: ham-antennas@yahoogroups.com
> From: DRJVM@...
> Date: Wed, 21 May 2008 22:24:38 -0400
> Subject: Re: [ham-antennas] Re: Suggestions for dipole supports
>
>
> Off the back deck of my house I ran a mast along the top railing and out off
> the deck about 8 feet. I secured it with multiple bungee cords. Its the top
> support for my inverted Vee. Its about 35 feet off the ground. Ran ladder line
> down to the ground and then coax back up to the shack. Each leg is held in
> place with a 5 gallon paint bucket filled with cement & a 10 foot mast coming
> out of it. Works like a champ. I have no trees on my lot.
>
> Joe
>
> **********Get trade secrets for amazing burgers. Watch "Cooking with
> Tyler Florence" on AOL Food.
> (http://food.aol.com/tyler-florence?video=4&?NCID=aolfod00030000000002)
>
> [Non-text portions of this message have been removed]
>
>
>

Make every e-mail and IM count. Join the i’m Initiative from Microsoft.
http://im.live.com/Messenger/IM/Join/Default.aspx?source=EML_WL_ MakeCount

4959. Re: [ham-antennas] Re: Suggestions for dipole supports

Yahoo group: ham-antennas (2008)
Date: 2008-05-22 18:28:57 UTC
From: Sean Doran
Topic: 4591 Message: 4959

How long did the PVC pipe last? I've been thinking about the same idea.

W8OKN

On Thu, May 22, 2008 at 1:56 PM, Kirk Morrison <ka4pxk@...> wrote:

>
> I have used PVC pipe cut a slot and run the antenna up as a inverted V or
> two for a standard dipole an guy, I have used the house and trees, and made
> the dipole from fine wire I have hid the whole dipole in a couple of trees.
>
> Kirk KA4PXk
> _____
> > To: ham-antennas@yahoogroups.com
> > From: DRJVM@...
> > Date: Wed, 21 May 2008 22:24:38 -0400
> > Subject: Re: [ham-antennas] Re: Suggestions for dipole supports
> >
> >
> > Off the back deck of my house I ran a mast along the top railing and out
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> > the deck about 8 feet. I secured it with multiple bungee cords. Its the
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> > support for my inverted Vee. Its about 35 feet off the ground. Ran ladder
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> > down to the ground and then coax back up to the shack. Each leg is held
> in
> > place with a 5 gallon paint bucket filled with cement & a 10 foot mast
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> > out of it. Works like a champ. I have no trees on my lot.
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> > Tyler Florence" on AOL Food.
> > (http://food.aol.com/tyler-florence?video=4&?NCID=aolfod00030000000002)
> >
> > [Non-text portions of this message have been removed]
> >
> >
> >
>
> _____
> Make every e-mail and IM count. Join the i'm Initiative from Microsoft.
> http://im.live.com/Messenger/IM/Join/Default.aspx?source=EML_WL_ MakeCount
> ---

>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
> to ALL 974 members (as of 11/07/07, and attachments are NOT permitted.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
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>

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Sean
---
www.athelasoutdoor.org
www.workerresources.org

[Non-text portions of this message have been removed]

4960. RE: [ham-antennas] Re: Suggestions for dipole supports

Yahoo group: ham-antennas (2008)
Date: 2008-05-22 18:40:59 UTC
From: Kirk Morrison
Topic: 4591 Message: 4960

Well with a bit of paint and guying it lasted until I moved about 3 years and it is out in the yard now working in other jobs. I have a piece that lasted outdoors 6 years and still counting. I used 2" ID and it seems to be fine for at least 6 years if guyed or supported if painted. I am in SC so the UV is a consideration but it hasn't been a major problem wind is so guying is or other support to a reasonable heigth is a major consideration All of it has held up better than aluminium TV masting.

Kirk KA4PXK

> To: ham-antennas@yahoogroups.com
> From: w8okn@charter.net
> Date: Thu, 22 May 2008 14:28:57 -0400
> Subject: Re: [ham-antennas] Re: Suggestions for dipole supports
>
>
> How long did the PVC pipe last? I've been thinking about the same idea.
>
> W8OKN
>
> On Thu, May 22, 2008 at 1:56 PM, Kirk Morrison> wrote:
>
>>
>> I have used PVC pipe cut a slot and run the antenna up as a inverted V or
>> two for a standard dipole an guy, I have used the house and trees, and made
>> the dipole from fine wire I have hid the whole dipole in a couple of trees.
>>
>> Kirk KA4PXk
>> _____
>>> To: ham-antennas@yahoogroups.com
>>> From: DRJVM@...
>>> Date: Wed, 21 May 2008 22:24:38 -0400
>>> Subject: Re: [ham-antennas] Re: Suggestions for dipole supports
>>>
>>>
>>> Off the back deck of my house I ran a mast along the top railing and out
>> off
>>> the deck about 8 feet. I secured it with multiple bungee cords. Its the
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>>> support for my inverted Vee. Its about 35 feet off the ground. Ran ladder
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>>> down to the ground and then coax back up to the shack. Each leg is held
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>>> place with a 5 gallon paint bucket filled with cement & a 10 foot mast
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>>> out of it. Works like a champ. I have no trees on my lot.
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>>> Joe
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>>> **********Get trade secrets for amazing burgers. Watch "Cooking with
>>> Tyler Florence" on AOL Food.
>>> (http://food.aol.com/tyler-florence?video=4&?NCID=aolfod00030000000002)
>>>
>>> [Non-text portions of this message have been removed]
>>>
>>>
>>>
>>
>> _____
>> Make every e-mail and IM count. Join the i'm Initiative from Microsoft.
>> http://im.live.com/Messenger/IM/Join/Default.aspx?source=EML_WL_ MakeCount
>> ------------------------------------
>>
>> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
>> to ALL 974 members (as of 11/07/07, and attachments are NOT permitted.
>> Post message: ham-antennas@yahoogroups.com
>> Subscribe: ham-antennas-subscribe@yahoogroups.com
>> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
>> List owner: ham-antennas-owner@yahoogroups.com
>> Yahoo! Groups Links
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> --
> Sean
> ----------
> www.athelasoutdoor.org
> www.workerresources.org
>
> [Non-text portions of this message have been removed]
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>

_____
Change the world with e-mail. Join the i’m Initiative from Microsoft.
http://im.live.com/Messenger/IM/Join/Default.aspx?source=EML_WL_ChangeWorld

4961. Re: [ham-antennas] Re: Suggestions for dipole supports

Yahoo group: ham-antennas (2008)
Date: 2008-05-22 18:57:44 UTC
From: Sean Doran
Topic: 4591 Message: 4961

Thank you!!

I live in Michigan. My son, who lived in Phoenix, made a luggage rack out
of PVC pipe and it melted all over the top of his Jeep.

But in Michigan, it could last a bit longer.

W8OKN

On Thu, May 22, 2008 at 2:40 PM, Kirk Morrison <ka4pxk@...> wrote:

>
> Well with a bit of paint and guying it lasted until I moved about 3 years
> and it is out in the yard now working in other jobs. I have a piece that
> lasted outdoors 6 years and still counting. I used 2" ID and it seems to be
> fine for at least 6 years if guyed or supported if painted. I am in SC so
> the UV is a consideration but it hasn't been a major problem wind is so
> guying is or other support to a reasonable heigth is a major consideration
> All of it has held up better than aluminium TV masting.
>
>
>
> Kirk KA4PXK
> _____
>
>
> > To: ham-antennas@yahoogroups.com
> > From: w8okn@...
> > Date: Thu, 22 May 2008 14:28:57 -0400
> > Subject: Re: [ham-antennas] Re: Suggestions for dipole supports
> >
> >
> > How long did the PVC pipe last? I've been thinking about the same idea.
> >
> > W8OKN
> >
> > On Thu, May 22, 2008 at 1:56 PM, Kirk Morrison> wrote:
> >
> >>
> >> I have used PVC pipe cut a slot and run the antenna up as a inverted V
> or
> >> two for a standard dipole an guy, I have used the house and trees, and
> made
> >> the dipole from fine wire I have hid the whole dipole in a couple of
> trees.
> >>

> >> Kirk KA4PXk
> >> _____
> >>> To: ham-antennas@yahoogroups.com
> >>> From: DRJVM@...
> >>> Date: Wed, 21 May 2008 22:24:38 -0400
> >>> Subject: Re: [ham-antennas] Re: Suggestions for dipole supports
> >>>
> >>>
> >>> Off the back deck of my house I ran a mast along the top railing and
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> >> off
> >>> the deck about 8 feet. I secured it with multiple bungee cords. Its the
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> >>> place with a 5 gallon paint bucket filled with cement & a 10 foot mast
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> >>>
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> >>>
> >>> **********Get trade secrets for amazing burgers. Watch "Cooking
> with
> >>> Tyler Florence" on AOL Food.
> >>> (http://food.aol.com/tyler-florence?video=4&?NCID=aolfod00030000000002
>)
> >>>
> >>> [Non-text portions of this message have been removed]
> >>>
> >>>
> >>>
> >>
> >> _____
> >> Make every e-mail and IM count. Join the i'm Initiative from Microsoft.
> >> http://im.live.com/Messenger/IM/Join/Default.aspx?source=EML_WL_MakeCount
> >> ---
> >>
> >> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies
> go
> >> to ALL 974 members (as of 11/07/07, and attachments are NOT permitted.
> >> Post message: ham-antennas@yahoogroups.com
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> >> List owner: ham-antennas-owner@yahoogroups.com
> >> Yahoo! Groups Links
> >>
> >>

> >>
> >>
> >
> > --
> > Sean
> > ----------
> > www.athelasoutdoor.org
> > www.workerresources.org
> >
> > [Non-text portions of this message have been removed]
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> >
>
> _____
> Change the world with e-mail. Join the i'm Initiative from Microsoft.
> http://im.live.com/Messenger/IM/Join/Default.aspx?source=EML_WL_ChangeWorld
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> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
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> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
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>

--
Sean
---
www.athelasoutdoor.org
www.workerresources.org

[Non-text portions of this message have been removed]

4962. Re: [ham-antennas] Re: Suggestions for dipole supports

Yahoo group: ham-antennas (2008)
Date: 2008-05-22 19:31:15 UTC
From: Sam Cook
Topic: 4591 Message: 4962

Instead of the white or tan PVC plumbing pipe, use the gray PVC electrical conduit. It is the same sizes, but is usually rated for outdoor use. Read the printing on the pipe. (Also less visible.)

Sam Cook, Milan, MO
Amateur Extra Class Radio Station AC?OK
ARES Official Emergency Station, Sullivan Co., MO
Military Affiliate Radio System (MARS) AAR7AO
==========

Kirk Morrison wrote:
> Well with a bit of paint and guying it lasted until I moved about 3
> years and it is out in the yard now working in other jobs. I have a
> piece that lasted outdoors 6 years and still counting. I used 2" ID
> and it seems to be fine for at least 6 years if guyed or supported if
> painted. I am in SC so the UV is a consideration but it hasn't been a
> major problem wind is so guying is or other support to a reasonable
> heigth is a major consideration All of it has held up better than
> aluminium TV masting.
>
> Kirk KA4PXK _____
>

4963. Re: [ham-antennas] Re: Suggestions for dipole supports

Yahoo group: ham-antennas (2008)
Date: 2008-05-22 19:55:05 UTC
From: MAXXOUT2@AOL.COM
Topic: 4591 Message: 4963

Plastic I broke off and sanded down from old wall warts.
Plastic from milk bottles.
Plastic from Soda bottles.
PVC
Leather boot laces
The leather from old shoes or boots.
The rubber left over from old shoes or boots
Rubber from truck tire tubes (also act like shock cords)
Bungee cords.
Heavy duty rubber bands (FREE FROM THR MAIL CARRIER)
Plastic coat hangers.
The plastic from old Floppie disk
Clear plastic tubing.
Surgical Tubing
Sling shot tubing stretch several feet and also will absorb the wind load.
Medicine bottles.
The list is endless.
BOB
AF2Q

In a message dated 5/22/2008 12:31:48 P.M. Pacific Standard Time,
sam@... writes:

Instead of the white or tan PVC plumbing pipe, use the gray PVC
electrical conduit. It is the same sizes, but is usually rated for
outdoor use. Read the printing on the pipe. (Also less visible.)

**********Get trade secrets for amazing burgers. Watch "Cooking with
Tyler Florence" on AOL Food.
(http://food.aol.com/tyler-florence?video=4&?NCID=aolfod00030000000002)

[Non-text portions of this message have been removed]

4964. Re: [ham-antennas] Re: Suggestions for dipole supports

Yahoo group: ham-antennas (2008)
Date: 2008-05-22 19:57:26 UTC
From: Phil Bader
Topic: 4591 Message: 4964

I used to cut PVC pipe into 4" lengths and drill holes thru both ends for wire.
Phil B
Philip Bader
Polk County School Board
Intercom & Fire Alarm Electronics Systems Tech
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakelandarc.org/
pbader@...

----- Original Message -----
From: MAXXOUT2@...
To: ham-antennas@yahoogroups.com
Sent: Thursday, May 22, 2008 3:55 PM
Subject: Re: [ham-antennas] Re: Suggestions for dipole supports

Plastic I broke off and sanded down from old wall warts.
Plastic from milk bottles.
Plastic from Soda bottles.
PVC
Leather boot laces
The leather from old shoes or boots.
The rubber left over from old shoes or boots
Rubber from truck tire tubes (also act like shock cords)
Bungee cords.
Heavy duty rubber bands (FREE FROM THR MAIL CARRIER)
Plastic coat hangers.
The plastic from old Floppie disk
Clear plastic tubing.
Surgical Tubing
Sling shot tubing stretch several feet and also will absorb the wind load.
Medicine bottles.
The list is endless.
BOB
AF2Q

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sam@... writes:

Instead of the white or tan PVC plumbing pipe, use the gray PVC
electrical conduit. It is the same sizes, but is usually rated for
outdoor use. Read the printing on the pipe. (Also less visible.)

**********Get trade secrets for amazing burgers. Watch "Cooking with
Tyler Florence" on AOL Food.

(http://food.aol.com/tyler-florence?video=4&?NCID=aolfod00030000000002)

[Non-text portions of this message have been removed]

No virus found in this incoming message.
Checked by AVG.
Version: 7.5.524 / Virus Database: 269.24.0/1460 - Release Date: 5/22/2008 7:06 AM

[Non-text portions of this message have been removed]

4965. RE: [ham-antennas] Re: Suggestions for dipole supports

Yahoo group: ham-antennas (2008)
Date: 2008-05-22 19:58:57 UTC
From: James Fogg
Topic: 4591 Message: 4965

Considering that PVC plumbing needs to be able to survive boiling water
that melted PVC is a surprise. It must get really hot in AZ.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
On Behalf Of Sean Doran
Sent: Thursday, May 22, 2008 2:58 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: Suggestions for dipole supports

Thank you!!

I live in Michigan. My son, who lived in Phoenix, made a luggage rack
out
of PVC pipe and it melted all over the top of his Jeep.

But in Michigan, it could last a bit longer.

W8OKN

On Thu, May 22, 2008 at 2:40 PM, Kirk Morrison <ka4pxk@...
<mailto:ka4pxk%40hotmail.com> > wrote:

>
> Well with a bit of paint and guying it lasted until I moved about 3
years
> and it is out in the yard now working in other jobs. I have a piece
that
> lasted outdoors 6 years and still counting. I used 2" ID and it seems
to be
> fine for at least 6 years if guyed or supported if painted. I am in SC
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> the UV is a consideration but it hasn't been a major problem wind is
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> guying is or other support to a reasonable heigth is a major
consideration
> All of it has held up better than aluminium TV masting.
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>
>
> Kirk KA4PXK
> ---
>
>
> > To: ham-antennas@yahoogroups.com
<mailto:ham-antennas%40yahoogroups.com>

> > From: w8okn@... <mailto:w8okn%40charter.net>
> > Date: Thu, 22 May 2008 14:28:57 -0400
> > Subject: Re: [ham-antennas] Re: Suggestions for dipole supports
> >
> >
> > How long did the PVC pipe last? I've been thinking about the same
idea.
> >
> > W8OKN
> >
> > On Thu, May 22, 2008 at 1:56 PM, Kirk Morrison> wrote:
> >
> >>
> >> I have used PVC pipe cut a slot and run the antenna up as a
inverted V
> or
> >> two for a standard dipole an guy, I have used the house and trees,
and
> made
> >> the dipole from fine wire I have hid the whole dipole in a couple
of
> trees.
> >>
> >> Kirk KA4PXk
> >> _____
> >>> To: ham-antennas@yahoogroups.com
<mailto:ham-antennas%40yahoogroups.com>
> >>> From: DRJVM@... <mailto:DRJVM%40AOL.COM>
> >>> Date: Wed, 21 May 2008 22:24:38 -0400
> >>> Subject: Re: [ham-antennas] Re: Suggestions for dipole supports
> >>>
> >>>
> >>> Off the back deck of my house I ran a mast along the top railing
and
> out
> >> off
> >>> the deck about 8 feet. I secured it with multiple bungee cords.
Its the
> >> top
> >>> support for my inverted Vee. Its about 35 feet off the ground. Ran
> ladder
> >> line
> >>> down to the ground and then coax back up to the shack. Each leg is
held
> >> in
> >>> place with a 5 gallon paint bucket filled with cement & a 10 foot
mast
> >> coming
> >>> out of it. Works like a champ. I have no trees on my lot.
> >>>

> >>> Joe
> >>>
> >>> **********Get trade secrets for amazing burgers. Watch
"Cooking
> with
> >>> Tyler Florence" on AOL Food.
> >>>
(http://food.aol.com/tyler-florence?video=4&?NCID=aolfod00030000000002
<http://food.aol.com/tyler-florence?video=4&?NCID=aolfod00030000000002>
>)
> >>>
> >>> [Non-text portions of this message have been removed]
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> >>
> >> _____
> >> Make every e-mail and IM count. Join the i'm Initiative from
Microsoft.
> >>
http://im.live.com/Messenger/IM/Join/Default.aspx?source=EML_WL_MakeCoun
t
<http://im.live.com/Messenger/IM/Join/Default.aspx?source=EML_WL_MakeCou
nt>
> >> ------------------------------------
> >>
> >> HAM ANTENNAS Anything and everything, tell us or ask questions.
Replies
> go
> >> to ALL 974 members (as of 11/07/07, and attachments are NOT
permitted.
> >> Post message: ham-antennas@yahoogroups.com
<mailto:ham-antennas%40yahoogroups.com>
> >> Subscribe: ham-antennas-subscribe@yahoogroups.com
<mailto:ham-antennas-subscribe%40yahoogroups.com>
> >> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
<mailto:ham-antennas-unsubscribe%40yahoogroups.com>
> >> List owner: ham-antennas-owner@yahoogroups.com
<mailto:ham-antennas-owner%40yahoogroups.com>
> >> Yahoo! Groups Links
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> > --
> > Sean
> > ----------------------------------
> > www.athelasoutdoor.org
> > www.workerresources.org

> >
> > [Non-text portions of this message have been removed]
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> >
> >
>
> _____
> Change the world with e-mail. Join the i'm Initiative from Microsoft.
>
http://im.live.com/Messenger/IM/Join/Default.aspx?source=EML_WL_ChangeWo
rld
<http://im.live.com/Messenger/IM/Join/Default.aspx?source=EML_WL_ChangeW
orld>
> ------------------------------------
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> HAM ANTENNAS Anything and everything, tell us or ask questions.
Replies go
> to ALL 974 members (as of 11/07/07, and attachments are NOT permitted.
> Post message: ham-antennas@yahoogroups.com
<mailto:ham-antennas%40yahoogroups.com>
> Subscribe: ham-antennas-subscribe@yahoogroups.com
<mailto:ham-antennas-subscribe%40yahoogroups.com>
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
<mailto:ham-antennas-unsubscribe%40yahoogroups.com>
> List owner: ham-antennas-owner@yahoogroups.com
<mailto:ham-antennas-owner%40yahoogroups.com>
> Yahoo! Groups Links
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Sean
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www.athelasoutdoor.org
www.workerresources.org

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

4966. Re: [ham-antennas] Re: Suggestions for dipole supports

Yahoo group: ham-antennas (2008)
Date: 2008-05-22 20:12:25 UTC
From: Sean Doran
Topic: 4591 Message: 4966

Insulators... yes.

Supports as in poles? No.

On Thu, May 22, 2008 at 3:55 PM, <MAXXOUT2@...> wrote:

>
> Plastic I broke off and sanded down from old wall warts.
> Plastic from milk bottles.
> Plastic from Soda bottles.
> PVC
> Leather boot laces
> The leather from old shoes or boots.
> The rubber left over from old shoes or boots
> Rubber from truck tire tubes (also act like shock cords)
> Bungee cords.
> Heavy duty rubber bands (FREE FROM THR MAIL CARRIER)
> Plastic coat hangers.
> The plastic from old Floppie disk
> Clear plastic tubing.
> Surgical Tubing
> Sling shot tubing stretch several feet and also will absorb the wind load.
> Medicine bottles.
> The list is endless.
> BOB
> AF2Q
>
> In a message dated 5/22/2008 12:31:48 P.M. Pacific Standard Time,
> sam@... <sam%40ac0ok.net> writes:
>
> Instead of the white or tan PVC plumbing pipe, use the gray PVC
> electrical conduit. It is the same sizes, but is usually rated for
> outdoor use. Read the printing on the pipe. (Also less visible.)
>
> **********Get trade secrets for amazing burgers. Watch "Cooking with
> Tyler Florence" on AOL Food.
> (http://food.aol.com/tyler-florence?video=4&?NCID=aolfod00030000000002)
>
> [Non-text portions of this message have been removed]
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>
>

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Sean
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www.athelasoutdoor.org
www.workerresources.org

[Non-text portions of this message have been removed]

4967. Re: [ham-antennas] Re: Suggestions for dipole supports

Yahoo group: ham-antennas (2008)
Date: 2008-05-22 20:18:22 UTC
From: W5CPT
Topic: 4591 Message: 4967

PVC, the white stuff is not rated for Hot Water. CPVC the beige stuff is. White PVC will melt in the direct sun (Dallas TX) and freeze and become very brittle in the winter (Pepperell Mass). CPVC will become even more brittle in the winter than PVC will (also Mass). Both are lessons personally learned. I don't know about the grey stuff, NMET (Non Metallic Electrical Tubing) as I have not tried that.

Clint - W5CPT

----- Original Message -----
From: James Fogg
To: ham-antennas@yahoogroups.com
Sent: Thursday, May 22, 2008 2:58 PM
Subject: RE: [ham-antennas] Re: Suggestions for dipole supports

Considering that PVC plumbing needs to be able to survive boiling water
that melted PVC is a surprise. It must get really hot in AZ.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
On Behalf Of Sean Doran
Sent: Thursday, May 22, 2008 2:58 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: Suggestions for dipole supports

Thank you!!

I live in Michigan. My son, who lived in Phoenix, made a luggage rack
out
of PVC pipe and it melted all over the top of his Jeep.

But in Michigan, it could last a bit longer.

W8OKN

On Thu, May 22, 2008 at 2:40 PM, Kirk Morrison <ka4pxk@...
<mailto:ka4pxk%40hotmail.com> > wrote:

>
> Well with a bit of paint and guying it lasted until I moved about 3
years
> and it is out in the yard now working in other jobs. I have a piece
that
> lasted outdoors 6 years and still counting. I used 2" ID and it seems
to be
> fine for at least 6 years if guyed or supported if painted. I am in SC
so
> the UV is a consideration but it hasn't been a major problem wind is

so
> guying is or other support to a reasonable heigth is a major
consideration
> All of it has held up better than aluminium TV masting.
>
>
>
> Kirk KA4PXK
> _____
>
>
> > To: ham-antennas@yahoogroups.com
<mailto:ham-antennas%40yahoogroups.com>
> > From: w8okn@... <mailto:w8okn%40charter.net>
> > Date: Thu, 22 May 2008 14:28:57 -0400
> > Subject: Re: [ham-antennas] Re: Suggestions for dipole supports
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> >
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> >> two for a standard dipole an guy, I have used the house and trees,
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> >>> To: ham-antennas@yahoogroups.com
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> >>> From: DRJVM@... <mailto:DRJVM%40AOL.COM>
> >>> Date: Wed, 21 May 2008 22:24:38 -0400
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Its the
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> >>> out of it. Works like a champ. I have no trees on my lot.
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> >>> **********Get trade secrets for amazing burgers. Watch
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(http://food.aol.com/tyler-florence?video=4&?NCID=aolfod00030000000002
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> >>>
> >>> [Non-text portions of this message have been removed]
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> >>
> >> _____
> >> Make every e-mail and IM count. Join the i'm Initiative from
Microsoft.
> >>
http://im.live.com/Messenger/IM/Join/Default.aspx?source=EML_WL_MakeCoun
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<http://im.live.com/Messenger/IM/Join/Default.aspx?source=EML_WL_MakeCou
nt>
> >> ------------------------------------
> >>
> >> HAM ANTENNAS Anything and everything, tell us or ask questions.
Replies
> go
> >> to ALL 974 members (as of 11/07/07, and attachments are NOT
permitted.
> >> Post message: ham-antennas@yahoogroups.com
<mailto:ham-antennas%40yahoogroups.com>
> >> Subscribe: ham-antennas-subscribe@yahoogroups.com
<mailto:ham-antennas-subscribe%40yahoogroups.com>
> >> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
<mailto:ham-antennas-unsubscribe%40yahoogroups.com>

> >> List owner: ham-antennas-owner@yahoogroups.com
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> >> Yahoo! Groups Links
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> > --
> > Sean
> > ----------
> > www.athelasoutdoor.org
> > www.workerresources.org
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> > [Non-text portions of this message have been removed]
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> _____
> Change the world with e-mail. Join the i'm Initiative from Microsoft.
>
http://im.live.com/Messenger/IM/Join/Default.aspx?source=EML_WL_ChangeWo
rld
<http://im.live.com/Messenger/IM/Join/Default.aspx?source=EML_WL_ChangeW
orld>
> ----------
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> HAM ANTENNAS Anything and everything, tell us or ask questions.
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<mailto:ham-antennas%40yahoogroups.com>
> Subscribe: ham-antennas-subscribe@yahoogroups.com
<mailto:ham-antennas-subscribe%40yahoogroups.com>
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
<mailto:ham-antennas-unsubscribe%40yahoogroups.com>
> List owner: ham-antennas-owner@yahoogroups.com
<mailto:ham-antennas-owner%40yahoogroups.com>
> Yahoo! Groups Links
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Sean
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4968. Re: [ham-antennas] Re: Suggestions for dipole supports

Yahoo group: ham-antennas (2008)
Date: 2008-05-22 20:21:46 UTC
From: MAXXOUT2@AOL.COM
Topic: 4591 Message: 4968

Oh OK,
You guys are speaking of the antenna support.
Check your local airport that does repairs.
Also contact some hang glider clubs.
They use 60-61-T6 aircraft tubing.
The one I had I used two 20 foot sections and sleeved them together and
guyed them 1/2 way up.
I moved to Poway,CA in 1980 then came back East and it's still there after
28 years and just 7 blocks off the ocean front,it tolerated all those storms.
BOB
AF2Q

In a message dated 5/22/2008 1:12:51 P.M. Pacific Standard Time,
w8okn@... writes:

Insulators... yes.

Supports as in poles? No.

**********Get trade secrets for amazing burgers. Watch "Cooking with
Tyler Florence" on AOL Food.
(http://food.aol.com/tyler-florence?video=4&?NCID=aolfod00030000000002)

[Non-text portions of this message have been removed]

4969. Re: [ham-antennas] Re: Suggestions for dipole supports

Yahoo group: ham-antennas (2008)
Date: 2008-05-22 21:14:39 UTC
From: MAXXOUT2@AOL.COM
Topic: 4591 Message: 4969

I worked in both commercial and domestic HVAC and also with my Dads plumbing business
I lost count of the number of homes we had to tear out PVC that was piped into the hot water
110* is about the limit if you care to use it.
140* and it's going to melt
There are three types of plastic in general use. Black plastic, which is ABS,(Acylonitrile Butadine Styrene) and white plastic which is PVC and CPVC,(Polyvinyl Chloride and Chlornated Polyvinyl Chloride) ABS is used for drainage. PVC is used outside the house for cold water feed from the pump or the meter.
PVC is banned in many States for home use except for cold water.
Prepped right and the use of the proper glue the joints will hold and you may get away with the thick walled PVC
The reason for the PVC was because someone said the solder joints in copper contain lead and it can leach into the water.
Well they also banned R-12 refrigerant and converted over to R-134-A but they never told public Joe that R-409 was just as good as R12 and has the same pressures and cools as well as R-12
Sorry for drifting off the topic but I saw what EPA did and it hurt many people and forced us to pay thousands for recovery machines.
Now 134 causes global warming so I think Europe is starting to phase that out
Go with a metal mast
BOB
AF2Q

In a message dated 5/22/2008 1:13:52 P.M. Pacific Standard Time, w8okn@... writes:

Thank you!!

I live in Michigan. My son, who lived in Phoenix, made a luggage rack out of PVC pipe and it melted all over the top of his Jeep.

But in Michigan, it could last a bit longer.

W8OKN

**********Get trade secrets for amazing burgers. Watch "Cooking with Tyler Florence" on AOL Food.
(http://food.aol.com/tyler-florence?video=4&?NCID=aolfod00030000000002)

[Non-text portions of this message have been removed]

4970. Re: [ham-antennas] Re: Suggestions for dipole supports

Yahoo group: ham-antennas (2008)
Date: 2008-05-22 21:34:32 UTC
From: Phil Bader
Topic: 4591 Message: 4970

OK- Supports:...I think I've mentioned these before, but the local paint dept of Lowes has extendable pain poles. They are at least partially fiberglass,maybe all. Telescopic locking sections in varied sizes. I provided a link to see some:
http://www.lowes.com/lowes/lkn?action=productList&N=0&Ntk=i_products&Ntt=paint%20poles
I think 16 feet extended was max, but on a field day with them secured in a weighted umbrella stand, and a few nylon guy lines, you're up and running.
Phil B
Philip Bader
Polk County School Board
Intercom & Fire Alarm Electronics Systems Tech
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakelandarc.org/
pbader@...

----- Original Message -----
From: Sean Doran
To: ham-antennas@yahoogroups.com
Sent: Thursday, May 22, 2008 4:12 PM
Subject: Re: [ham-antennas] Re: Suggestions for dipole supports

Insulators... yes.

Supports as in poles? No.

On Thu, May 22, 2008 at 3:55 PM, <MAXXOUT2@...> wrote:

>
> Plastic I broke off and sanded down from old wall warts.
> Plastic from milk bottles.
> Plastic from Soda bottles.
> PVC
> Leather boot laces
> The leather from old shoes or boots.
> The rubber left over from old shoes or boots
> Rubber from truck tire tubes (also act like shock cords)
> Bungee cords.
> Heavy duty rubber bands (FREE FROM THR MAIL CARRIER)
> Plastic coat hangers.
> The plastic from old Floppie disk
> Clear plastic tubing.
> Surgical Tubing
> Sling shot tubing stretch several feet and also will absorb the wind load.
> Medicine bottles.
> The list is endless.

> BOB
> AF2Q
>
> In a message dated 5/22/2008 12:31:48 P.M. Pacific Standard Time,
> sam@... <sam%40ac0ok.net> writes:
>
> Instead of the white or tan PVC plumbing pipe, use the gray PVC
> electrical conduit. It is the same sizes, but is usually rated for
> outdoor use. Read the printing on the pipe. (Also less visible.)
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> (http://food.aol.com/tyler-florence?video=4&?NCID=aolfod00030000000002)
>
> [Non-text portions of this message have been removed]
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>

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Sean
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www.workerresources.org

[Non-text portions of this message have been removed]

No virus found in this incoming message.
Checked by AVG.
Version: 7.5.524 / Virus Database: 269.24.0/1460 - Release Date: 5/22/2008 7:06 AM

[Non-text portions of this message have been removed]

4971. Re: [ham-antennas] Re: Suggestions for dipole supports

Yahoo group: ham-antennas (2008)
Date: 2008-05-22 22:04:44 UTC
From: MAXXOUT2@AOL.COM
Topic: 4591 Message: 4971

I just looked at the 40 foot super pole priced at $250.00
How high of a mast do you want?
So far the bast I seen is the one on ebay
Two 28 foot poles just under $80.00 with shipping fees
The shipping is the same for one 28 foot pole so you can buy 2 and sell one
BOB
AF2Q

**********Get trade secrets for amazing burgers. Watch "Cooking with
Tyler Florence" on AOL Food.
(http://food.aol.com/tyler-florence?video=4&?NCID=aolfod00030000000002)

[Non-text portions of this message have been removed]

4972. Re: [ham-antennas] Re: Suggestions for dipole supports

Yahoo group: ham-antennas (2008)
Date: 2008-05-22 23:31:25 UTC
From: MAXXOUT2@AOL.COM
Topic: 4591 Message: 4972

Ebay has a 31 foot pole that shrinks down to less then 4 feet
http://tinyurl.com/5k37vm (http://tinyurl.com/5k37vm)

Also swimming pool suppliers have those 15 to 20 foot poles for around the
20 dollar mark
BOB
AF2Q

**********Get trade secrets for amazing burgers. Watch "Cooking with
Tyler Florence" on AOL Food.
(http://food.aol.com/tyler-florence?video=4&?NCID=aolfod00030000000002)

[Non-text portions of this message have been removed]

4973. Re: Suggestions for dipole supports

Yahoo group: ham-antennas (2008)
Date: 2008-05-23 15:40:42 UTC
From: pcooke2002
Topic: 4591 Message: 4973

https://www.jackite.com/index.php?cPath=41

the jackite telescoping pole is more of a field day thing. I picked up one and was quite supprised that fully extended it did carry a fair amount of weight. Duck tapeing the coax to the mast kept everything in line and prevented the the mast from flexing to much. all of the reviews on EHAM.net are 5's. I figured since that was the case why not try one.

I am not sure if you would need 3 or 4 or more poles to support a dipole with a balun. Perhaps someone out there has tried this.

I would email the company and ask how they handles AZ heat or NY snow. But there is a Kite shop near Bodega ca (Hour or so N. of SF on the ocean) that leaves their telescoping poles up all year long so UV should not be a problem.

73
Peter
KG6OUE

4974. lasser line

Yahoo group: ham-antennas (2008)
Date: 2008-05-23 22:54:24 UTC
From: Drbob92031@aol.com
Topic: 4974 Message: 4974

I have ?been readIing (IT CAN BE DANGEROUS).because of that?I hope to make my next feedline for ny QRP se-t up
My question is: ialso read someplace thar TV antena (ine ca be used. This is the two parallel wires about 1./2"apart evclosed in a plastic covering

Iamthinkimng of using this line if is usable? does any one know the impedance of that animal/?
thanks in advance for any input

?Bob WA2EAW

[Non-text portions of this message have been removed]

4975. Re: [ham-antennas] lasser line

Yahoo group: ham-antennas (2008)
Date: 2008-05-23 23:30:13 UTC
From: W5CPT
Topic: 4974 Message: 4975

If you are referring to 300 Ohm TV Twin Lead, absolutely. Many great antennas were built with it. I ran it at 100 Watts on a dipole into an MFJ-949E tuner with great results. It is getting a bit hard to find as everyone has gone to 72 Ohm coax (RG-6).

Clint - W5CPT

----- Original Message -----
From: Drbob92031@...
To: ham-antennas@yahoogroups.com
Sent: Friday, May 23, 2008 5:54 PM
Subject: [ham-antennas] lasser line

I have ?been readIing (IT CAN BE DANGEROUS).because of that?I hope to make my next feedline for ny QRP se-t up
My question is: ialso read someplace thar TV antena (ine ca be used. This is the two parallel wires about 1./2"apart evclosed in a plastic covering

Iamthinkimng of using this line if is usable? does any one know the impedance of that animal/?
thanks in advance for any input

?Bob WA2EAW

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

4976. Re: [ham-antennas] lasser line

Yahoo group: ham-antennas (2008)
Date: 2008-05-23 23:40:04 UTC
From: danny garvin
Topic: 4974 Message: 4976

That sounds like 300 ohm twin lead with a small balanced output tuner you could make a double zepp antanna and use it on mulipule bands. Using balanced feed line your dipole only needs to be 1/4 wave on the lowest band you intend to operate. I have a 150' dipole up feed with 450 ladder line and I can tune most of 160 meters with it.
73
Danny WB9RIM

----- Original Message ----
From: "Drbob92031@..." <Drbob92031@...>
To: ham-antennas@yahoogroups.com
Sent: Friday, May 23, 2008 5:54:24 PM
Subject: [ham-antennas] lasser line

I have ?been readIing (IT CAN BE DANGEROUS).because of that?I hope to make my next feedline for ny QRP se-t up
My question is: ialso read someplace thar TV antena (ine ca be used. This is the two parallel wires about 1./2"apart evclosed in a plastic covering

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thanks in advance for any input

?Bob WA2EAW

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

4977. Re: [ham-antennas] Re: thinking of elevated Radials... need help

Yahoo group: ham-antennas (2008)
Date: 2008-05-24 04:49:04 UTC
From: mblaise@nycap.rr.com
Topic: 4926 Message: 4977

Just curious by what you ment by this statement. "I think you'll notice very different noise characteristics between
your wire and the vertical as well."

Are verticles more noisy?

---- Chris <kingsqueak@...> wrote:

==========
A LOT of the reviews on eham for the zerofive are astroturfing IMO.
The claims are just not possible for what the antenna is. I was very
curious about that antenna and did some modeling in MMANA and when you
wide band tune a vertical that is long for the band, the radiation
angle is horrible.

Also, the conditions right now are horrible to test a vertical, the
bands have hardly been open lately.

I run a GAP Titan (also a big compromise antenna) in addition to wire
antennas and when the band is open, depending upon conditions it can
be a real winner. It all depends on how the propagation is working
though.

I think you'll notice very different noise characteristics between
your wire and the vertical as well.

The vertical shines with the more distant contacts, the bands just
haven't really been open for that lately.

On Wed, May 21, 2008 at 9:13 AM, Steve Hunt <HuntUSA@...> wrote:
> Hi Mike,
>
> right now... the way I have it setup; The Cobra Dipole work's alot
> better. RX wise it receives about 3-5db stronger, and TX wise...well
> probably the same (I'm just not satisfied)

> I just can't believe 50 or so HAMS would falsify the "5.o Reviews"
> they gave about this Antenna...
>

4978. Re: Suggestions for dipole supports

Yahoo group: ham-antennas (2008)
Date: 2008-05-24 15:29:18 UTC
From: catboat15@aol.com
Topic: 4591 Message: 4978

The last plumbing code I worked with limited PVC water pipe to 150 degrees F and something like 125 PSI water pressure. I was on several commitees looking at plastic pipe and thought "listing" or approving water pipe under those conditions was kind of dumb when the basic protection for a water system is the pressure and temperature relief valve on the water heater that is set for 150 PSI and 200 degrees. Kind of like using wiring that blows before the fuses. Also PVC used for cooling water in our plants soon failed from vibration when connected to pumps or other machinery.

Now, kite shops sell kite and streamer masts that are made of some kind of reinforced plastic, black in color and we have had one in the yard for several years and it shows no sign of problems with a fairly long (ten feet) streamer blowing in the Southern Calif desert winds and sun.

John
k6suf

**********Get trade secrets for amazing burgers. Watch "Cooking with Tyler Florence" on AOL Food.
(http://food.aol.com/tyler-florence?video=4&?NCID=aolfod00030000000002)

[Non-text portions of this message have been removed]

4979. Butternut HF5 Mini Beam Hints and Tips

Yahoo group: ham-antennas (2008)
Date: 2008-05-25 09:32:43 UTC
From: Paul
Topic: 4979 Message: 4979

Hello all this is my first post.
Has anyone used or knows of anyone using a Butternut HF5B Butterfly beam.
I am just about to restore an old one i purchased.Once completed what
can i expect in terms of usablity and does anyone have any hints or
tips to get the best out of one.I have red the reviews on Eham and
will be beefing it up a little and i also have an MFJ 269 Analyser.

Thansk for any comments Paul

4980. Re: thinking of elevated Radials... need help

Yahoo group: ham-antennas (2008)
Date: 2008-05-25 12:29:22 UTC
From: Steve Hunt
Topic: 4926 Message: 4980

Final update...

OK Zero-Five 43 footer is working UFB now...

some Idiot (and I am not going to name names...) installed the ground rod strap to the Positive terminal of the Balun.

Well, thats fixed now and She radiates nicely now. I will continue to install a few more Radials, after work today and on Monday, to try to get the Nrs up to 60 Radials...

Right now w/32 Radials the GP workes as good as my 55' high Cobra Dipole (dB RX wise) ... so no need for elevated radials, even though I read an interesting article yesterday ... stating they mixed a grounding system (part elevated, part on ground) w/ good results. I might try to run 3 elevated 132' Radials for 160m.
Using Dacron tie-off at 16' hight...one can angle the radials right off the radial plate at apprx. 45 deg. upward and install the elevated radials out at 16' hight. This should get me a better Topband match and performance.

Well, anyway...
Thanks again to a great people of this Forum for all the help and suggestions.
Steve, W1CDX

--- In ham-antennas@yahoogroups.com, Chris <kingsqueak@...> wrote:
>
> A LOT of the reviews on eham for the zerofive are astroturfing IMO.
> The claims are just not possible for what the antenna is. I was very
> curious about that antenna and did some modeling in MMANA and when you
> wide band tune a vertical that is long for the band, the radiation
> angle is horrible.
>
> Also, the conditions right now are horrible to test a vertical, the
> bands have hardly been open lately.
>
> I run a GAP Titan (also a big compromise antenna) in addition to wire
> antennas and when the band is open, depending upon conditions it can
> be a real winner. It all depends on how the propagation is working
> though.
>
> I think you'll notice very different noise characteristics between

> your wire and the vertical as well.
>
> The vertical shines with the more distant contacts, the bands just
> haven't really been open for that lately.
>
> On Wed, May 21, 2008 at 9:13 AM, Steve Hunt <HuntUSA@...> wrote:
> > Hi Mike,
> >
> > right now... the way I have it setup; The Cobra Dipole work's alot
> > better. RX wise it receives about 3-5db stronger, and TX
wise...well
> > probably the same (I'm just not satisfied)
>
> > I just can't believe 50 or so HAMS would falsify the "5.o Reviews"
> > they gave about this Antenna...
> >
>

4981. Moxon for 20 M fed with 450 ohm?

Yahoo group: ham-antennas (2008)
Date: 2008-05-25 22:54:29 UTC
From: Bruce Conner
Topic: 4981 Message: 4981

I have a moderately long run (60-100 feet depending) to an area where I'd like to set up a vertical Moxon antenna for 20 meters. I know they are normally driven with 50 ohm coax, but I'd like to cut the losses for my qrp work by using 450 ohm window line as the feeder. What sort of 9:1 balun (transformer, actually, since both sides should be balanced in this case) should I make? I've got some 114-43 cores and about 50 watts max. Can I get away with that?

I figure the transformer/balun is my easiest solution, but maybe somebody knows how to fiddle the dimensions of the antenna itself to be driven directly with higher impedance line? Suggestions please?

Bruce
WB8OGK

4982. Re: Moxon for 20 M fed with 450 ohm?

Yahoo group: ham-antennas (2008)
Date: 2008-05-25 23:26:14 UTC
From: vaclav_sal
Topic: 4981 Message: 4982

How about delta match?
AA7EJ Vaclav

4983. Re: [ham-antennas]Adobe, was Name That Antenna http://www.hy-gain.com/man/pdf/AV-18HT.pdf

Yahoo group: ham-antennas (2008)
Date: 2008-05-26 00:10:40 UTC
From: Wayne
Topic: 4952 Message: 4983

For getting Adobe to work again, you can try a system restore to just before the "update".
Also try reinstalling said update or waiting for another update.
I have had to do that with a few things in the past, especially under Windows XP.

Wayne WA2YNE

On Wed, 21 May 2008 23:05:32 -0500, <MAXXOUT2@...> wrote:

> in the ground and didn't go higher then 4 feet you didn't need radials.
> Anyway I updated the adobe thing and now can't open PDF files.
> This is the manual for the AV-18HT antenna
> Appx 40 pages so it should have pictures.
> I tried three times and my lap top hangs up then says Adobe reader not
> responding.
> _http://www.hy-gain.com/man/pdf/AV-18HT.pdf_
> (http://www.hy-gain.com/man/pdf/AV-18HT.pdf)
> BOB
> AF2Q

--
Using Opera's revolutionary e-mail client: http://www.opera.com/mail/

4984. Re: [ham-antennas]Adobe, was Name That Antenna http://www.hy-gain.com/man/pdf/AV-18HT.pdf

Yahoo group: ham-antennas (2008)
Date: 2008-05-26 00:23:57 UTC
From: N0ATH
Topic: 4952 Message: 4984

Gentlemen: I recently switched from Adobe to a free downloadable program called Foxit PDF - found it first
thing on Google and it is many many times faster than Adobe reader plus you have the ability to manipulate
the file. I immediately dumped Adobe that I had used for years - FWIW to you Dave / N?ATH
73

----- Original Message -----
From: "Wayne" <wa2yne@...>
To: <ham-antennas@yahoogroups.com>
Sent: Sunday, May 25, 2008 7:10 PM
Subject: Re: [ham-antennas]Adobe, was Name That Antenna
http://www.hy-gain.com/man/pdf/AV-18HT.pdf

For getting Adobe to work again, you can try a system restore to just
before the "update".
Also try reinstalling said update or waiting for another update.
I have had to do that with a few things in the past, especially under
Windows XP.

Wayne WA2YNE

On Wed, 21 May 2008 23:05:32 -0500, <MAXXOUT2@...> wrote:

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> This is the manual for the AV-18HT antenna
> Appx 40 pages so it should have pictures.
> I tried three times and my lap top hangs up then says Adobe reader not
> responding.
> _http://www.hy-gain.com/man/pdf/AV-18HT.pdf_
> (http://www.hy-gain.com/man/pdf/AV-18HT.pdf)
> BOB
> AF2Q

--
Using Opera's revolutionary e-mail client: http://www.opera.com/mail/

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 974 members (as of 11/07/07,
and attachments are NOT permitted.
Post message: ham-antennas@yahoogroups.com
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Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

4985. Re: [ham-antennas] AH-4

Yahoo group: ham-antennas (2008)
Date: 2008-05-26 00:37:28 UTC
From: W8OKN
Topic: 4985 Message: 4985

I am about to take a big step and mount my Ah-4 outside. For those of you that have done this, has anyone buried the 4 conductor cable? I plan to bury the coax, but not sure about the control cable.

Comments?

W8OKN

[Non-text portions of this message have been removed]

4986. Re: [ham-antennas] AH-4

Yahoo group: ham-antennas (2008)
Date: 2008-05-26 00:55:51 UTC
From: W5CPT
Topic: 4985 Message: 4986

It depends on what you are using for control cable. I used Rotor Cable (overkill, I know, but it was what I had on hand) and just laid it on the ground with the Coax. Never had a problem.

Clint - W5CPT

----- Original Message -----
From: W8OKN
To: ham-antennas@yahoogroups.com
Sent: Sunday, May 25, 2008 7:37 PM
Subject: Re: [ham-antennas] AH-4

I am about to take a big step and mount my Ah-4 outside. For those of you that have done this, has anyone buried the 4 conductor cable? I plan to bury the coax, but not sure about the control cable.

Comments?

W8OKN

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

4987. RE: [ham-antennas] AH-4

Yahoo group: ham-antennas (2008)
Date: 2008-05-26 01:03:02 UTC
From: AE5MH
Topic: 4985 Message: 4987

I would conduit the coax unless you have "Hardline".. Direct bury coax does not mean it's "waterproof".

Direct bury means that the coax will not leach anything bad into the soil.

Use conduit, and make sure that you don't get water into it. Proper drip loops in the conduit is a must.

You'll be glad you did.

AE5MH

-----Original Message-----
From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of W8OKN
Sent: Sunday, May 25, 2008 7:37 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] AH-4

I am about to take a big step and mount my Ah-4 outside. For those of you that have done this, has anyone buried the 4 conductor cable? I plan to bury the coax, but not sure about the control cable.

Comments?

W8OKN

[Non-text portions of this message have been removed]

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 974 members (as of 11/07/07, and attachments are NOT permitted.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

4988. Re: Moxon for 20 M fed with 450 ohm?

Yahoo group: ham-antennas (2008)
Date: 2008-05-26 02:06:32 UTC
From: Bruce Conner
Topic: 4981 Message: 4988

--- In ham-antennas@yahoogroups.com, "vaclav_sal" <vaclav_sal@...> wrote:
>
> How about delta match?
> AA7EJ Vaclav
>

That's a thought, although the mechanics of it could be a challenge.
The delta would have to come off the side somehow and be supported.
It's worth considering, however.

Bruce
WB8OGK

4989. Mosley Mini 33A Advice Please

Yahoo group: ham-antennas (2008)
Date: 2008-05-28 18:40:58 UTC
From: wc0l
Topic: 4989 Message: 4989

I have a Mini 33A and would welcome any advice on the best way to tune it. Using the factory default settings, it seems to resonate around the top end of 20 meters. I can move the radiating element traps out to hopefully bring the resonate frequency down some, hopefully to around 14.2 mHz. If I do that, should I move out the traps on the director and reflector an equal amount? Has anyone ever fine tuned the director and reflector as per the manual instructions?

Any other ideas for improvement? Has anyone ever removed the director and just made it a two element beam?

The way this antenna is now, it definitely radiates a signal, but acts more like a dipole than a beam. Any thoughts are appreciated.

Thanks and 73,
Mike, WC0L

4990. Re: [ham-antennas] Mosley Mini 33A Advice Please

Yahoo group: ham-antennas (2008)
Date: 2008-05-28 19:58:13 UTC
From: N0ATH
Topic: 4989 Message: 4990

Hello Mike - I would think you would only want to move the
outer element ends, not the trap covers - otherwise it would seem
that you would be moving the resonance on 15 as well as 20 - I once
had a 33 that I (during field day) got the reflector / director spacing's
reversed and the pattern went bananas - figured it out, reversed the
settings and it had a very nice pattern for a small beam- I was actually
pleasantly surprised it worked as well as it did - It just seems to me that
the element trap covers would be the end of the radiating element for
each higher band. Hope this helps / Dave / N?ATH 73 & Gud Luk

----- Original Message -----
From: "wc0l" <wc0l@...>
To: <ham-antennas@yahoogroups.com>
Sent: Wednesday, May 28, 2008 1:40 PM
Subject: [ham-antennas] Mosley Mini 33A Advice Please

I have a Mini 33A and would welcome any advice on the best way to tune
it. Using the factory default settings, it seems to resonate around
the top end of 20 meters. I can move the radiating element traps out
to hopefully bring the resonate frequency down some, hopefully to
around 14.2 mHz. If I do that, should I move out the traps on the
director and reflector an equal amount? Has anyone ever fine tuned the
director and reflector as per the manual instructions?

Any other ideas for improvement? Has anyone ever removed the director
and just made it a two element beam?

The way this antenna is now, it definitely radiates a signal, but acts
more like a dipole than a beam. Any thoughts are appreciated.

Thanks and 73,
Mike, WC0L

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Yahoo! Groups Links

4991. Telephone Cable Stealth antenna

Yahoo group: ham-antennas (2008)
Date: 2008-05-29 00:44:59 UTC
From: Jonathan Helis KB5IAV
Topic: 4991 Message: 4991

I've got an idea for a stealth antenna and want to know if anyone else has tried this.

In the bedroom we've converted to a radio room, there was a telephone line that was added after the house was built. We removed the phone jack when the room was repainted since it didn't work and we didn't need a phone in there anyway. The telephone cable, around 50 feet or so of it, is still on the outside of the house running from near the room to the opposite side of the house.

Since I have an LDG Z-11 Pro autotuner and a LDG 4:1 balun that I got free with the tuner, I was consdering trying this out as an antenna. I just wonder how telephone cable will work as an antenna. It isn't connected to the phone box anymore so that won't be an issue.

I've used end fed antennas in the past with good results and thought maybe I should give them a try again, since the wire is already there and I have other supplies I need.

This will be a stealth antenna, since I live on a small lot in close quarters. I also won't be running more than 100 watts since I don't have an amp and usually run my TS-140S at about half that anyway.

Just curious.

--
73,

Jonathan Helis, KB5IAV
Baton Rouge, Louisiana, USA

4992. Re: [ham-antennas] Telephone Cable Stealth antenna

Yahoo group: ham-antennas (2008)
Date: 2008-05-29 00:05:45 UTC
From: trucken4peace@yahoo.com
Topic: 4991 Message: 4992

>The telephone cable,

Hello Jonathan,

First no I haven't tried it for transmitting. Several questions though. You already found out its not connected. Good. Now is it 4 wire, 6 wire or something else? Solid or stranded. Stranded probably won't take 100 watts. Are you thinking tieing the lines together? That might create harmonics. Is the line near the ground or high by the gutters? Near ground it would probably act like a nvis antenna. Good for local work. High near metal you might have an issue with the wire reacting to the gutters. (I have limited space and they really affect my verticle antenna). Is the wire close to the electrical outlets? Might pickup noise. I would try receive first and see what happens. Then start with low power with a local net or friend and work from there. Hope some of that helps....

John
KE7JSL
Sent via BlackBerry from T-Mobile

4993. good mobile antenna for 3.975 mhz

Yahoo group: ham-antennas (2008)
Date: 2008-05-29 01:06:56 UTC
From: pa22161
Topic: 4993 Message: 4993

I am looking to get a good mobile antenna for 3.975 mhz SSB 100 watts.
I need to mount it on a 2005 Dodge Dayota pickup. What do you suggest?

Mike Crowe
AJ4GU

4994. Re: [ham-antennas] good mobile antenna for 3.975 mhz

Yahoo group: ham-antennas (2008)
Date: 2008-05-29 00:44:28 UTC
From: trucken4peace@yahoo.com
Topic: 4993 Message: 4994

>I am looking to get a good mobile antenna for 3.975 mhz SSB 100 watts.

Hi Mike,

I hope someone has a direct answer for you. Just my thoughts. If you have trailer hitch a screwdriver antenna from High Sierra I have heard is good. They also sell a claw clamp that attaches to just about anything (side rail for example) for a hamstick style antenna. That you can adjust right to the frequency you want. It would be cheap and easy to remove for parking garage and/or security. Hope that helps some.

John
KE7JSL
Sent via BlackBerry from T-Mobile

4995. Re: [ham-antennas] good mobile antenna for 3.975 mhz

Yahoo group: ham-antennas (2008)
Date: 2008-05-29 02:18:44 UTC
From: Leonard K. Pennock
Topic: 4993 Message: 4995

Ham stick works and is cheap. Hustler works better and costs more.

pa22161 wrote:
> I am looking to get a good mobile antenna for 3.975 mhz SSB 100 watts.
> I need to mount it on a 2005 Dodge Dayota pickup. What do you suggest?
>
> Mike Crowe
> AJ4GU
>
>

--
Leonard K. Pennock
AD7AS

Those who walk bravely through life, unafraid of loss or failure,
find that they very rarely lose or fail.

4996. Re: [ham-antennas] good mobile antenna for 3.975 mhz

Yahoo group: ham-antennas (2008)
Date: 2008-05-29 03:28:03 UTC
From: Alan Wilson
Topic: 4993 Message: 4996

Hamsticks are the cheap way to go and they work good too. All you need is a 3/8 X 24 mount, coax and your good to go. Make sure to ground, and then ground some more...I've used one for 75 meters on a dodge van and it does surprisingly well...Good luck, Alan

On Wed, May 28, 2008 at 7:06 PM, pa22161 <tripacer@...> wrote:

> I am looking to get a good mobile antenna for 3.975 mhz SSB 100 watts.
> I need to mount it on a 2005 Dodge Dayota pickup. What do you suggest?
>
> Mike Crowe
> AJ4GU
>
>
>

--
Alan Wilson
67 Bullseye Lane
Victor, MT 59875
http://montanaham.tripod.com

[Non-text portions of this message have been removed]

4997. Re: [ham-antennas] Telephone Cable Stealth antenna

Yahoo group: ham-antennas (2008)
Date: 2008-05-29 03:56:42 UTC
From: k9ttt@comcast.net
Topic: 4991 Message: 4997

Jon;
My radio club (when I lived in Western Michigan), had two telephone cable anttenas. One cut for 40 and one cut 80, that we used on FD. They were made out the thick black wire and were somewhat stiff. Don't know if that is what you have, but they worked very well for us. (I borrowed both of them once for SS, and ran them in an inverted vee with supports over my roof; neighbor came over and asked if I was tieing my house down!)
Dale K9TTT

[Non-text portions of this message have been removed]

4998. 30 meter yagi

Yahoo group: ham-antennas (2008)
Date: 2008-05-29 04:09:55 UTC
From: Dave
Topic: 4998 Message: 4998

Anyone have plans for building a 30 meter, 3 element yagi antenna? The arrl antenna manual only lists plans from 10 - 20 meters.

Thanks in advance.

_____
PeoplePC Online
A better way to Internet
http://www.peoplepc.com

4999. Which Antennas to purchase?

Yahoo group: ham-antennas (2008)
Date: 2008-05-29 06:18:27 UTC
From: mblaise@nycap.rr.com
Topic: 4999 Message: 4999

Right now I have a IC-706MKIIG with 50Ft. of Belden 9913 connected to the Diamond X510N 2M/440 Omni and the LDG AT-7000 auto tuner / 25ft RG-8U / G5RV at 30ft above ground in a slightly inverted V formation.

I am looking for a 2M beam for both FM (distant repeaters) and SSB use, a 440 beam to reach distant 440 repeaters, a 6M beam for DX and a 40M / 20M / 10M for DX.

The only problem is that I can only put up a tripod mount at my QTH. My XYL doesn't want anymore antennas on our apartment and neither does the landlord. I already have the G5RV, X510N and a scanner antenna.

I was thinking about purchasing a heavy duty 5ft. Easy-Up tripod mount and a section of 10 ft mast and a good rotor and installing these 4 beams on the peak of my roof:

1) Cushcraft A4S 4 element 10/15/20M with the 40M add on kit. This would be on the bottom of the mast at 40 lbs.
2) Cushcraft A505S 5 element 6M beam. This would be next above the A4S at 11lbs.
3) Cushcraft 719B 19 element 440MHz beam. This would be above the A505S at 6lbs.
4) Cushcraft A14820T - 2M -10H/10V (10 horizontal and 10 vertical beams for both FM and SSB work). This would be on top at 7lbs.

As far as economy and space go this is the best I could come up with. I would have to run 5 lengths of coax. Do you guys think the tripod will hold all of these beams (64lbs)? Would 10ft. of mast be enough? Do you think this setup will work OK?

Any suggestions on other antennas or comments would be greatly appreciated.

Thanks,
Mike

5000. Re: [ham-antennas] Telephone Cable Stealth antenna

Yahoo group: ham-antennas (2008)
Date: 2008-05-29 14:47:31 UTC
From: yash@aol.com
Topic: 4991 Message: 5000

Jonathan
?why not , I used a alum rain gutter on my condo in florida..no ant allowed.. worked 17 and 20 with no problem. tried to stay off the air durning the nite,they all had their tv's on . It worked fine for the 2 years we lived there,kept power to around 50 max. Not the greatest but had fun on the air for 2 winters.
good luck with the phone line.
dale wt4t

-----Original Message-----
From: Jonathan Helis KB5IAV <kb5iav@...>
To: Ham Antennas Groups <ham-antennas@yahoogroups.com>
Sent: Wed, 28 May 2008 5:44 pm
Subject: [ham-antennas] Telephone Cable Stealth antenna

I've got an idea for a stealth antenna and want to know if anyone else has tried this.

In the bedroom we've converted to a radio room, there was a telephone line that was added after the house was built. We removed the phone jack when the room was repainted since it didn't work and we didn't need a phone in there anyway. The telephone cable, around 50 feet or so of it, is still on the outside of the house running from near the room to the opposite side of the house.

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I've used end fed antennas in the past with good results and thought maybe I should give them a try again, since the wire is already there and I have other supplies I need.

This will be a stealth antenna, since I live on a small lot in close quarters. I also won't be running more than 100 watts since I don't have an amp and usually run my TS-140S at about half that anyway.

Just curious.

--
73,

Jonathan Helis, KB5IAV
Baton Rouge, Louisiana, USA

[Non-text portions of this message have been removed]

5001. Re: Telephone Cable Stealth antenna

Yahoo group: ham-antennas (2008)
Date: 2008-05-29 15:06:26 UTC
From: vaclav_sal
Topic: 4991 Message: 5001

Antennas 101 - Anything will radiate.
The question is - how efficiently.
Next question is how much power it will accept from your transmitter.
If you can match this piece of wire to your transmitter you will have it made.
Next question ☐ if you care ☐ where it will send its radiated energy?
I would venture to speculate it will be absorbed by your house walls and very little of it will get to wandering around the globe.
As they say in Business 101 ☐ you get what you pay for.
I am just curious as you are and would like to know how is the 60Hz reception when you shorten both ends of the wire ☐ use it as an end single wire ☐ and how is it when used as a single end fed pair of wires.
In theory the 60Hz and other noises should cancel in ONE twisted pair.
Of course again assuming that you have a single twisted pair telephone cable running around your house.

Using real scientific approach ☐ I would run an SWR analyzer on it!

73 Vaclav AA7EJ

5002. Re: [ham-antennas] Which Antennas to purchase?

Yahoo group: ham-antennas (2008)
Date: 2008-05-29 19:34:38 UTC
From: N0ATH
Topic: 4999 Message: 5002

Just an opinion Mike - I think it will be pretty iffey - if you are in a low lying area - If the roof is not to high so as to catch a lot of wind - if you are very careful an lucky during assembly - If you could do most of your assembly from a step ladder - I guess I am suggesting that most of the tripods I have seen in this area are pretty light weight - Not knowing where you are or the characteristics of your mast and tripod I would think you are loading it to an extreme, at least for the ones I have seen - Glen Martin Engineering in Booneville MO. I think has some heavier built ones I think, You might check the specs on line on his as they have some very nice products - I think your selection of antennas is fine just questioning the strength of the mast and tripod, vs. where your antennas might be located at.
Dave / N?ATH Gud Luk & 73

----- Original Message -----
From: <mblaise@...>
To: <ham-antennas@yahoogroups.com>
Sent: Thursday, May 29, 2008 1:18 AM
Subject: [ham-antennas] Which Antennas to purchase?

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I was thinking about purchasing a heavy duty 5ft. Easy-Up tripod mount and a section of 10 ft mast and a good
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1) Cushcraft A4S 4 element 10/15/20M with the 40M add on kit. This would be on the bottom of the mast at 40
lbs.
2) Cushcraft A505S 5 element 6M beam. This would be next above the A4S at 11lbs.
3) Cushcraft 719B 19 element 440MHz beam. This would be above the A505S at 6lbs.
4) Cushcraft A14820T - 2M -10H/10V (10 horizontal and 10 vertical beams for both FM and SSB work). This
would be on top at 7lbs.

As far as economy and space go this is the best I could come up with. I would have to run 5 lengths of coax.

Do you guys think the tripod will hold all of these beams (64lbs)? Would 10ft. of mast be enough? Do you
think this setup will work OK?

Any suggestions on other antennas or comments would be greatly appreciated.

Thanks,
Mike

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 974 members (as of 11/07/07,
and attachments are NOT permitted.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

5003. Re: [ham-antennas] Which Antennas to purchase?

Yahoo group: ham-antennas (2008)
Date: 2008-05-29 19:45:33 UTC
From: Ron
Topic: 4999 Message: 5003

My advice is get rid of the XYL and the landlord and do what you
want...hi hi
73
VE7GIF
Ron

mblaise@... wrote:
>
> Right now I have a IC-706MKIIG with 50Ft. of Belden 9913 connected to
> the Diamond X510N 2M/440 Omni and the LDG AT-7000 auto tuner / 25ft
> RG-8U / G5RV at 30ft above ground in a slightly inverted V formation.
>
> I am looking for a 2M beam for both FM (distant repeaters) and SSB
> use, a 440 beam to reach distant 440 repeaters, a 6M beam for DX and a
> 40M / 20M / 10M for DX.
>
> The only problem is that I can only put up a tripod mount at my QTH.
> My XYL doesn't want anymore antennas on our apartment and neither does
> the landlord. I already have the G5RV, X510N and a scanner antenna.
>
> I was thinking about purchasing a heavy duty 5ft. Easy-Up tripod mount
> and a section of 10 ft mast and a good rotor and installing these 4
> beams on the peak of my roof:
>
> 1) Cushcraft A4S 4 element 10/15/20M with the 40M add on kit. This
> would be on the bottom of the mast at 40 lbs.
> 2) Cushcraft A505S 5 element 6M beam. This would be next above the A4S
> at 11lbs.
> 3) Cushcraft 719B 19 element 440MHz beam. This would be above the
> A505S at 6lbs.
> 4) Cushcraft A14820T - 2M -10H/10V (10 horizontal and 10 vertical
> beams for both FM and SSB work). This would be on top at 7lbs.
>
> As far as economy and space go this is the best I could come up with.
> I would have to run 5 lengths of coax. Do you guys think the tripod
> will hold all of these beams (64lbs)? Would 10ft. of mast be enough?
> Do you think this setup will work OK?
>
> Any suggestions on other antennas or comments would be greatly
> appreciated.
>
> Thanks,
> Mike
>
>

5004. Re: [ham-antennas] good mobile antenna for 3.975 mhz

Yahoo group: ham-antennas (2008)
Date: 2008-05-30 02:15:14 UTC
From: Phil Bader
Topic: 4993 Message: 5004

Would a severly loaded 80 mtr ham stick be better than the same mount with a standard 9 foot steel whip with an antenna tuner? The latter would have heigth as well as more capture area,no?
Phil B
Philip Bader
Polk County School Board
Intercom & Fire Alarm Electronics Systems Tech
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakelandarc.org/
pbader@...

----- Original Message -----
From: Alan Wilson
To: ham-antennas@yahoogroups.com
Sent: Wednesday, May 28, 2008 11:28 PM
Subject: Re: [ham-antennas] good mobile antenna for 3.975 mhz

Hamsticks are the cheap way to go and they work good too. All you need is a 3/8 X 24 mount, coax and your good to go. Make sure to ground, and then ground some more...I've used one for 75 meters on a dodge van and it does surprisingly well...Good luck, Alan

On Wed, May 28, 2008 at 7:06 PM, pa22161 <tripacer@...> wrote:

> I am looking to get a good mobile antenna for 3.975 mhz SSB 100 watts.
> I need to mount it on a 2005 Dodge Dayota pickup. What do you suggest?
>
> Mike Crowe
> AJ4GU
>
>
>

--
Alan Wilson
67 Bullseye Lane
Victor, MT 59875
http://montanaham.tripod.com

[Non-text portions of this message have been removed]

No virus found in this incoming message.
Checked by AVG.

Version: 7.5.524 / Virus Database: 269.24.2/1471 - Release Date: 5/28/2008 5:33 PM

[Non-text portions of this message have been removed]

5005. A Couple HF Dipole Questions

Yahoo group: ham-antennas (2008)
Date: 2008-05-30 02:45:33 UTC
From: Ronald Smith, Jr.
Topic: 5005 Message: 5005

I want to put up my first dipole, but I only have about 70 ft of space to hang it and the dipole would only be up about 25 ft. I would like to run 40, 20, 15, and 10.

I was told I should get an Alpha Delta DX-EE for starting out.
But I came across the New Carolina Windom by Len Carlson K4IWL
<http://www.hamuniverse.com/k4iwlnewwindom.html>

I'd like to try building my own dipole.
I would like something I can easily rebuild / repair without a lot of expense. I get ice and wind storms in my area that cause tree damage a couple times a year. So I'm thinking the dipole I put up, will break at least once a year. Unless there are tricks for putting up a dipole to have them survive ice and wind storms.

Is a New Carolina Windom dipole a good choice for a beginner or is Alpha Delta DX-EE a better choice? Or is there something else better for limited hanging space that I can build?

Are all baluns the same? Is a 4:1 balun for $70, better then a 4:1 balun for $35? And is worth spending the extra money?

Thank for the input.
Ron N2MSV

5006. RE: [ham-antennas] A Couple HF Dipole Questions

Yahoo group: ham-antennas (2008)
Date: 2008-05-30 03:00:11 UTC
From: James Fogg
Topic: 5005 Message: 5006

For storm survival, place a spring at each end of the wire, and support the feed point with a mast. Some guys use pulleys at one or both ends and weighted buckets, but a lot of evidence shows this encourages breakage because it starts whipping the wire as the buckets fall. Don't pull your wire too tight, a little sag will help with water runoff to reduce ice and it also reduces tension to improve ice weight survival.

Even at 40M, a height of 25 feet is going to give you a high angle of radiation, so you'll get great local coverage to about 700 miles, but you might not get good skip. At higher frequencies 25 feet will begin to perform at a lower radiation angle.

If you are building/repairing I recommend a dipole for performance and simplicity. At 40M the length is about 66 feet.

Many wire antennas are directional (toward the sides), but you can hang a dipole as an inverted V and get a good omni-directional pattern.

For multi-band no-tuner performance you can build a dipole as a fan dipole. You start with a dipole for your lowest (longest) frequency and then add additional parallel radials cut to length for each band. Since electricity is lazy it will always choose the path of least resistance, which is the resonant radiator.

There is a wealth of free online info about dipoles and fan dipoles. Buy a 1:1 balun (about $25 US) and some wire (insulated solid copper14ga "house wire" works great) and start building.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
On Behalf Of Ronald Smith, Jr.
Sent: Thursday, May 29, 2008 10:46 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] A Couple HF Dipole Questions

I want to put up my first dipole, but I only have about 70 ft of space to hang it and the dipole would only be up about 25 ft. I would like to run 40, 20, 15, and 10.

I was told I should get an Alpha Delta DX-EE for starting out.
But I came across the New Carolina Windom by Len Carlson K4IWL
<http://www.hamuniverse.com/k4iwlnewwindom.html
<http://www.hamuniverse.com/k4iwlnewwindom.html> >

I'd like to try building my own dipole.
I would like something I can easily rebuild / repair without a lot of

expense. I get ice and wind storms in my area that cause tree damage a couple times a year. So I'm thinking the dipole I put up, will break at least once a year. Unless there are tricks for putting up a dipole to have them survive ice and wind storms.

Is a New Carolina Windom dipole a good choice for a beginner or is Alpha Delta DX-EE a better choice? Or is there something else better for limited hanging space that I can build?

Are all baluns the same? Is a 4:1 balun for $70, better then a 4:1 balun for $35? And is worth spending the extra money?

Thank for the input.
Ron N2MSV

No virus found in this incoming message.
Checked by AVG.
Version: 8.0.100 / Virus Database: 269.24.4/1473 - Release Date: 5/29/2008 7:53 PM

[Non-text portions of this message have been removed]

5007. RE: [ham-antennas] A Couple HF Dipole Questions

Yahoo group: ham-antennas (2008)
Date: 2008-05-30 03:05:48 UTC
From: James Fogg
Topic: 5005 Message: 5007

Oops, sorry. The height above ground / angle of radiation note is mostly about dipoles. Some other wire designs aren't as sensitive to elevation. This is both a curse and a blessing about dipoles, as you can dial your angle of radiation with elevation. But if you are limited in height you might not get the angle you want. At 80M 40 feet is about as low as you want to go unless NVIS is desired.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
On Behalf Of James Fogg
Sent: Thursday, May 29, 2008 11:00 PM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] A Couple HF Dipole Questions

For storm survival, place a spring at each end of the wire, and support the feed point with a mast. Some guys use pulleys at one or both ends and weighted buckets, but a lot of evidence shows this encourages breakage because it starts whipping the wire as the buckets fall. Don't pull your wire too tight, a little sag will help with water runoff to reduce ice and it also reduces tension to improve ice weight survival.

Even at 40M, a height of 25 feet is going to give you a high angle of radiation, so you'll get great local coverage to about 700 miles, but you might not get good skip. At higher frequencies 25 feet will begin to perform at a lower radiation angle.

If you are building/repairing I recommend a dipole for performance and simplicity. At 40M the length is about 66 feet.

Many wire antennas are directional (toward the sides), but you can hang a dipole as an inverted V and get a good omni-directional pattern.

For multi-band no-tuner performance you can build a dipole as a fan dipole. You start with a dipole for your lowest (longest) frequency and then add additional parallel radials cut to length for each band. Since electricity is lazy it will always choose the path of least resistance, which is the resonant radiator.

There is a wealth of free online info about dipoles and fan dipoles. Buy a 1:1 balun (about $25 US) and some wire (insulated solid copper14ga "house wire" works great) and start building.

From: ham-antennas@yahoogroups.com
<mailto:ham-antennas%40yahoogroups.com>

[mailto:ham-antennas@yahoogroups.com
<mailto:ham-antennas%40yahoogroups.com>]
On Behalf Of Ronald Smith, Jr.
Sent: Thursday, May 29, 2008 10:46 PM
To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>

Subject: [ham-antennas] A Couple HF Dipole Questions

I want to put up my first dipole, but I only have about 70 ft of space to hang it and the dipole would only be up about 25 ft. I would like to run 40, 20, 15, and 10.

I was told I should get an Alpha Delta DX-EE for starting out.
But I came across the New Carolina Windom by Len Carlson K4IWL
<http://www.hamuniverse.com/k4iwlnewwindom.html
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<http://www.hamuniverse.com/k4iwlnewwindom.html
<http://www.hamuniverse.com/k4iwlnewwindom.html> > >

I'd like to try building my own dipole.
I would like something I can easily rebuild / repair without a lot of expense. I get ice and wind storms in my area that cause tree damage a couple times a year. So I'm thinking the dipole I put up, will break at least once a year. Unless there are tricks for putting up a dipole to have them survive ice and wind storms.

Is a New Carolina Windom dipole a good choice for a beginner or is Alpha Delta DX-EE a better choice? Or is there something else better for limited hanging space that I can build?

Are all baluns the same? Is a 4:1 balun for $70, better then a 4:1 balun for $35? And is worth spending the extra money?

Thank for the input.
Ron N2MSV

No virus found in this incoming message.
Checked by AVG.
Version: 8.0.100 / Virus Database: 269.24.4/1473 - Release Date: 5/29/2008 7:53 PM

[Non-text portions of this message have been removed]

No virus found in this incoming message.
Checked by AVG.
Version: 8.0.100 / Virus Database: 269.24.4/1473 - Release Date: 5/29/2008 7:53 PM

[Non-text portions of this message have been removed]

5008. RE: [ham-antennas] A Couple HF Dipole Questions

Yahoo group: ham-antennas (2008)
Date: 2008-05-30 03:19:46 UTC
From: James M.(Jim) Geidl
Topic: 5005 Message: 5008

Ron,

You might want to take a look at a Cobra Ultralite Junior. I have the Senior model which includes 160m and I am very pleased with it and I am not much higher then you. You might end up with the ends dangling a little bit but that should be fine.

Jim, K6JMG
//

> [mailto:ham-antennas@yahoogroups.com] On Behalf Of Ronald Smith, Jr.
> Sent: Thursday, May 29, 2008 7:46 PM
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] A Couple HF Dipole Questions
>
> I want to put up my first dipole, but I only have about 70 ft
> of space to hang it and the dipole would only be up about 25
> ft. I would like to run 40, 20, 15, and 10.
>
> I was told I should get an Alpha Delta DX-EE for starting out.
> But I came across the New Carolina Windom by Len Carlson
> K4IWL <http://www.hamuniverse.com/k4iwlnewwindom.html>
>
> I'd like to try building my own dipole.
> I would like something I can easily rebuild / repair without
> a lot of expense. I get ice and wind storms in my area that
> cause tree damage a couple times a year. So I'm thinking the
> dipole I put up, will break at least once a year. Unless
> there are tricks for putting up a dipole to have them survive
> ice and wind storms.
>
> Is a New Carolina Windom dipole a good choice for a beginner
> or is Alpha Delta DX-EE a better choice? Or is there
> something else better for limited hanging space that I can build?
>
> Are all baluns the same? Is a 4:1 balun for $70, better then
> a 4:1 balun for $35? And is worth spending the extra money?
>
> Thank for the input.
> Ron N2MSV

5009. Re: [ham-antennas] Which Antennas to purchase?

Yahoo group: ham-antennas (2008)
Date: 2008-05-30 05:39:05 UTC
From: mblaise@nycap.rr.com
Topic: 4999 Message: 5009

Thanks Dave. So it sounds like the Tripod might not hold that weight.

Any other suggestions?

---- N0ATH <n0ath@...> wrote:

==========
Just an opinion Mike - I think it will be pretty iffey - if you are in a low lying area - If the roof is not to high so as to catch a lot of wind - if you are very careful an lucky during assembly - If you could do most of your assembly from a step ladder - I guess I am suggesting that most of the tripods I have seen in this area are pretty light weight - Not knowing where you are or the characteristics of your mast and tripod I would think you are loading it to an extreme, at least for the ones I have seen - Glen Martin Engineering in Booneville MO. I think has some heavier built ones I think, You might check the specs on line on his as they have some very nice products - I think your selection of antennas is fine just questioning the strength of the mast and tripod, vs. where your antennas might be located at.
Dave / NØATH Gud Luk & 73

----- Original Message -----
From: <mblaise@...>
To: <ham-antennas@...m>
Sent: Thursday, May 29, 2008 1:18 AM
Subject: [ham-antennas] Which Antennas to purchase?

Right now I have a IC-706MKIIG with 50Ft. of Belden 9913 connected to the Diamond X510N 2M/440 Omni and the
LDG AT-7000 auto tuner / 25ft RG-8U / G5RV at 30ft above ground in a slightly inverted V formation.

I am looking for a 2M beam for both FM (distant repeaters) and SSB use, a 440 beam to reach distant 440
repeaters, a 6M beam for DX and a 40M / 20M / 10M for DX.

The only problem is that I can only put up a tripod mount at my QTH. My XYL doesn't want anymore antennas on
our apartment and neither does the landlord. I already have the G5RV, X510N and a scanner antenna.

I was thinking about purchasing a heavy duty 5ft. Easy-Up tripod mount and a section of 10 ft mast and a good
rotor and installing these 4 beams on the peak of my roof:

1) Cushcraft A4S 4 element 10/15/20M with the 40M add on kit. This would be on the bottom of the mast at 40
lbs.
2) Cushcraft A505S 5 element 6M beam. This would be next above the A4S at 11lbs.

3) Cushcraft 719B 19 element 440MHz beam. This would be above the A505S at 6lbs.
4) Cushcraft A14820T - 2M -10H/10V (10 horizontal and 10 vertical beams for both FM and SSB work). This
would be on top at 7lbs.

As far as economy and space go this is the best I could come up with. I would have to run 5 lengths of coax.
Do you guys think the tripod will hold all of these beams (64lbs)? Would 10ft. of mast be enough? Do you
think this setup will work OK?

Any suggestions on other antennas or comments would be greatly appreciated.

Thanks,
Mike

5010. Re: Telephone Cable Stealth antenna

Yahoo group: ham-antennas (2008)
Date: 2008-05-30 09:46:25 UTC
From: Chris Moore
Topic: 4991 Message: 5010

Take a look at this
http://myweb.tiscali.co.uk/wwshack/Misc/G5IJ_aerial.htm

Alot of us over here have these up and they work very well. Most just
look like telephone cables outside our houses... G5IJ

5011. Re: [ham-antennas] A Couple HF Dipole Questions

Yahoo group: ham-antennas (2008)
Date: 2008-05-30 12:16:24 UTC
From: DRJVM@AOL.COM
Topic: 5005 Message: 5011

The great thing about dipoles are that they are cheap- if you do it homebrew. You might want to do an inverted Vee- I had limited space and did an inverted Vee and it's fine. Try doing it yourself first. Also you can let the ends of a dipole go down vertically if the space is too small.

my .02 cents worth
Joe

In a message dated 5/29/2008 9:49:57 P.M. Eastern Standard Time, n2msv@... writes:

**********Get trade secrets for amazing burgers. Watch "Cooking with Tyler Florence" on AOL Food. (http://food.aol.com/tyler-florence?video=4&?NCID=aolfod00030000000002)

[Non-text portions of this message have been removed]

5012. RE: [ham-antennas] A Couple HF Dipole Questions

Yahoo group: ham-antennas (2008)
Date: 2008-05-30 12:20:10 UTC
From: Rich Schmuke
Topic: 5005 Message: 5012

Remember when you buy an antenna like you are talking about you are paying someone else a big price for a little bit of metal you can make yourself. A 5 band beam is a different animal for a first antenna. A dipole type is good to start with I have made most of them at one time or another. The easiest is a fan dipole as James Fogg noted in his email. Mine is 75, 40,20,17 &10. All run on one coal line. You might not have room for 75 but no problem with the other bands. When you need to go higher check out a mast for the center , I have a 40 ft tilt up mast for mine, all home made. The 5 band dipole held up through the bad ice storms we had here in the Midwest last year. I lost many big trees as did a lot of people around here but no problem with the antenna.

Rich , Kd0zz

As an act of plagiarism . Disclaimer: Any errors in spelling or facts are transmission errors.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Ronald Smith, Jr.
Sent: Thursday, May 29, 2008 9:46 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] A Couple HF Dipole Questions

I want to put up my first dipole, but I only have about 70 ft of space to hang it and the dipole would only be up about 25 ft. I would like to run 40, 20, 15, and 10.

I was told I should get an Alpha Delta DX-EE for starting out.
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I'd like to try building my own dipole.
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Are all baluns the same? Is a 4:1 balun for $70, better then a 4:1 balun for $35? And is worth spending the extra money?

Thank for the input.
Ron N2MSV

[Non-text portions of this message have been removed]

5013. Re: A Couple HF Dipole Questions

Yahoo group: ham-antennas (2008)
Date: 2008-05-30 14:26:40 UTC
From: Ronald Smith, Jr.
Topic: 5005 Message: 5013

I like to thank you all for your input.
It sounds like I'm better off building my own dipole.
And as couple of you noted the fan dipole is easiest to start with
so I think I'll start there.
Is it possible to build a fan dipole in an inverted V shape?
I like the place a spring at each end of the wire idea.
I'm going to look into a mast for the center, maybe I can get more
height.
James Fogg mention a 1:1 balun for about $25 US.
Are all 1:1 baluns the same?
There is a Hamfest locally in New Jersey this weekend (Saturday). I
like to go and pick up a 1:1 balun there. But what do I look for in
a good balun?

--- In ham-antennas@yahoogroups.com, "James Fogg" <james@...> wrote:
>
> Oops, sorry. The height above ground / angle of radiation note is
mostly
> about dipoles. Some other wire designs aren't as sensitive to
elevation.
> This is both a curse and a blessing about dipoles, as you can dial
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>
>
>
>
>
>
>
> _____
>
> From: ham-antennas@yahoogroups.com [mailto:ham-
antennas@yahoogroups.com]
> On Behalf Of James Fogg
> Sent: Thursday, May 29, 2008 11:00 PM
> To: ham-antennas@yahoogroups.com
> Subject: RE: [ham-antennas] A Couple HF Dipole Questions
>
>
>

> For storm survival, place a spring at each end of the wire, and
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Don't
> pull your wire too tight, a little sag will help with water runoff
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>
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Since
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> which is the resonant radiator.
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> There is a wealth of free online info about dipoles and fan
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> a 1:1 balun (about $25 US) and some wire (insulated solid
copper14ga
> "house wire" works great) and start building.
>
> _____
>
> From: ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>
> [mailto:ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>]
> On Behalf Of Ronald Smith, Jr.

> Sent: Thursday, May 29, 2008 10:46 PM
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%
40yahoogroups.com>
>
> Subject: [ham-antennas] A Couple HF Dipole Questions
>
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> But I came across the New Carolina Windom by Len Carlson K4IWL
> <http://www.hamuniverse.com/k4iwlnewwindom.html
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> <http://www.hamuniverse.com/k4iwlnewwindom.html
> <http://www.hamuniverse.com/k4iwlnewwindom.html> > >
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> Are all baluns the same? Is a 4:1 balun for $70, better then a 4:1
> balun for $35? And is worth spending the extra money?
>
> Thank for the input.
> Ron N2MSV
>
> No virus found in this incoming message.
> Checked by AVG.
> Version: 8.0.100 / Virus Database: 269.24.4/1473 - Release Date:
> 5/29/2008 7:53 PM
>
> [Non-text portions of this message have been removed]
>
>
>
> No virus found in this incoming message.
> Checked by AVG.

> Version: 8.0.100 / Virus Database: 269.24.4/1473 - Release Date:
> 5/29/2008 7:53 PM
>
>
>
>
> [Non-text portions of this message have been removed]
>

5014. Re: A Couple HF Dipole Questions

Yahoo group: ham-antennas (2008)
Date: 2008-05-30 17:57:24 UTC
From: Bill
Topic: 5005 Message: 5014

Hi Ron, First off I want to second those who approve of the homebrew approach. Nothing is more satisfying than when something you made yourself does the job well for you. Also, nothing can be more frustrating than when something you made yourself is giving you trouble. ;-) The antenna I decided on a couple of months ago is an off-center-fed dipole, close relative of the windom. I built mine as a 1/2 wavelength on 80m, gives me six bands under 1.5:1 without a tuner. Would be a little long for your QTH though. The June issue of QST has plans for one right up your alley, though. It's a 1/2 wave on 40m. Requires making a balun for the feedpoint, and will probably involve experimenting with different length/feedpoint location combinations. That's the frustrating part. Using it now that it's dialed in, that's the satisfying part. I built the A-frame mast in the ARRL antenna book which gets the feedpoint up about 35ft. There's lots of better setups out there, but this is a nice place to start. Good luck, and above all, have some fun!

Bill KC2SUO

--- In ham-antennas@yahoogroups.com, "Ronald Smith, Jr." <n2msv@...>
wrote:
>
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> <http://www.hamuniverse.com/k4iwlnewwindom.html>
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> Are all baluns the same? Is a 4:1 balun for $70, better then a 4:1
> balun for $35? And is worth spending the extra money?
>
> Thank for the input.
> Ron N2MSV
>

5015. Re: [ham-antennas] Mosley Mini 33A Advice Please

Yahoo group: ham-antennas (2008)
Date: 2008-05-30 18:45:29 UTC
From: Wayne
Topic: 4989 Message: 5015

While the antenna looks to not have the best front to back ratio, it should still do better than a dipole.
Not seeing the exact setup, I would want to move the outer elements out for a bit lower resonant frequency on 20 meters.
You don't mention where it shows on 10 and 15 meters.
I would remeasure the lengths carefully, and compare to what the instructions say.
Changing any part can affect the whole, and needs to be checked and rechecked on each band. Anyway, the overall length of the elements is for the lowest band, in this case being 20 meters.
There is bound to be a good amount of compromise on a physically small antenna for these bands.
heck, I have an old Hy Gain 6 meter beam, 4 elements, and it is huge compared with some. Has a 12 foot boom, and does very well, or at least it did till I took it down for moving.

I feel that if you move the traps out, you will affect all bands, not just 20 meters.
So try moving the outer ends out as much as p[ossible first.
And yes, you should also move the reflector elements out at well.
Difficult to test on the ground, though can be done to some extent, supported on wood.
Beg, borrow or buy an analyzer. Can save a lot of guessing, and easy to check best resonance on each band.
YMMV

Wayne WA2YNE

On Wed, 28 May 2008 13:40:58 -0500, wc0l <wc0l@...> wrote:

> I have a Mini 33A and would welcome any advice on the best way to tune
> it. Using the factory default settings, it seems to resonate around
> the top end of 20 meters. I can move the radiating element traps out
> to hopefully bring the resonate frequency down some, hopefully to
> around 14.2 mHz. If I do that, should I move out the traps on the
> director and reflector an equal amount? Has anyone ever fine tuned the
> director and reflector as per the manual instructions?
>
> Any other ideas for improvement? Has anyone ever removed the director
> and just made it a two element beam?
>
> The way this antenna is now, it definitely radiates a signal, but acts
> more like a dipole than a beam. Any thoughts are appreciated.
>
> Thanks and 73,
> Mike, WC0L

>

--
Using Opera's revolutionary e-mail client: http://www.opera.com/mail/

5016. Re: A Couple HF Dipole Questions

Yahoo group: ham-antennas (2008)
Date: 2008-05-30 20:28:25 UTC
From: Ronald Smith, Jr.
Topic: 5005 Message: 5016

Hi Bill,
An off-center-fed dipole, close relative of the windom that sounds a
little easier to build than the fan dipole, for my first try at
building a dipole. I'll look at that the June issue
of QST for the 1/2 wave on 40m. I'll have to get my hands on the
ARRL antenna book and read up on an A-frame mast. I was afraid of
the homebrew approach for my first dipole due the frustrating
factor. Until joining this user group asking questions
and getting good answers from people with different points of view
on how to get started.

Ron N2MSV

--- In ham-antennas@yahoogroups.com, "Bill" <wild_bill_yonder@...>
wrote:
>
> Hi Ron, First off I want to second those who approve of the
homebrew
> approach. Nothing is more satisfying than when something you made
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> the ARRL antenna book which gets the feedpoint up about 35ft.
There's
> lots of better setups out there, but this is a nice place to
start.
> Good luck, and above all, have some fun!
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> Bill KC2SUO
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> > Thank for the input.
> > Ron N2MSV
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>

5017. RE: [ham-antennas] Re: A Couple HF Dipole Questions

Yahoo group: ham-antennas (2008)
Date: 2008-05-30 21:01:58 UTC
From: James Fogg
Topic: 5005 Message: 5017

All 1:1 baluns are similar. Some can handle more power, but any of them should handle 200W. Look for one that appears to be able to take the stress of the wire antenna hanging from it. I like ones that have a mounting eye bolt at the top so I can hang it from a support.

There are also 4:1 baluns which are used to convert ladder line feeds to coax, and aren't appropriate unless you are using ladder line.

Yes, fan dipoles can be built as inverted V's. For any inverted V you'll need sufficient height to allow a V angle of 45 to 120 degrees (unfortunately I slept through trigonometry, but there are some trig websites that'll help you figure out how high you have to get to achieve your angle). It's also a good idea to have enough height at the center so that the ends don't come closer than 10 feet to the ground to prevent someone from getting an RF bite should they touch it when you transmit. Mine come within 4 feet, but I live in the back woods of New Hampshire and if anyone is in my yard they have bigger problems than a silly antenna.

Not all wire antennas will perform well as an inverted V. You'll need to check design plans for other types of home built wire antennas. You should also know that if you choose to use ladder line as a feed, or if your antenna design requires ladder line (some do, the ladder becomes a radiator at certain frequencies), then the ladder line needs to be kept in the air and away from anything metal, or other antennas and feedlines. Some antenna designs require that the ladder line remain near vertical.

When you are looking at wire antennas remember that each design is intended to address specific needs (multi-band, shortened, positioning problems, disguise, etc.). It's not unusual for a non-dipole wire antenna to have some trade-off that you have to live with (performance, radiation angle, etc.). Google is your friend.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
On Behalf Of Ronald Smith, Jr.
Sent: Friday, May 30, 2008 10:27 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: A Couple HF Dipole Questions

I like to thank you all for your input.
It sounds like I'm better off building my own dipole.
And as couple of you noted the fan dipole is easiest to start with
so I think I'll start there.
Is it possible to build a fan dipole in an inverted V shape?

I like the place a spring at each end of the wire idea.
I'm going to look into a mast for the center, maybe I can get more height.
James Fogg mention a 1:1 balun for about $25 US.
Are all 1:1 baluns the same?
There is a Hamfest locally in New Jersey this weekend (Saturday). I like to go and pick up a 1:1 balun there. But what do I look for in a good balun?

--- In ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com> , "James Fogg" <james@...> wrote:
>
> Oops, sorry. The height above ground / angle of radiation note is mostly
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> This is both a curse and a blessing about dipoles, as you can dial your
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>
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> From: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com> [mailto:ham-antennas@yahoogroups.com <mailto:antennas%40yahoogroups.com>]
> On Behalf Of James Fogg
> Sent: Thursday, May 29, 2008 11:00 PM
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Subject: RE: [ham-antennas] A Couple HF Dipole Questions
>
>
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> For storm survival, place a spring at each end of the wire, and support
> the feed point with a mast. Some guys use pulleys at one or both ends
> and weighted buckets, but a lot of evidence shows this encourages
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Don't
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> If you are building/repairing I recommend a dipole for performance
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> On Behalf Of Ronald Smith, Jr.
> Sent: Thursday, May 29, 2008 10:46 PM
> To: ham-antennas@yahoogroups.com
<mailto:ham-antennas%40yahoogroups.com> <mailto:ham-antennas%
40yahoogroups.com>

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> Subject: [ham-antennas] A Couple HF Dipole Questions
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> No virus found in this incoming message.
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> Version: 8.0.100 / Virus Database: 269.24.4/1473 - Release Date:
> 5/29/2008 7:53 PM
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Checked by AVG.
Version: 8.0.100 / Virus Database: 269.24.4/1474 - Release Date:
5/30/2008 7:44 AM

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5018. Which vertical???

Yahoo group: ham-antennas (2008)
Date: 2008-05-30 21:57:54 UTC
From: Rob Thomson
Topic: 5018 Message: 5018

Dear Group

I have the opportunity to install a plain tubular vertical and was considering a quarter wave for 40m. However, I do love 30m and 20m !

Given that the pole is actually primarily to be used to support a long-wire, I need to keep it high. I could introduce some base loading...

What are your thoughts and recommendations?

Regards
Rob, G4LMW

5019. RE: [ham-antennas] Re: A Couple HF Dipole Questions

Yahoo group: ham-antennas (2008)
Date: 2008-05-30 22:34:02 UTC
From: Rich Schmuke
Topic: 5005 Message: 5019

A fan is a easy way to start, a dipole works if the center droops a little or if it supported a in the center becoming a inverted "V" . A inverted V will give a better SWR than a straight dipole with normal 50 ohm coax.

If you want information on a easy to make center support look at my tilt over setup in the photo section. If you are interested I can email you a drawing and construction information.

Rich , Kd0zz

As an act of plagiarism . Disclaimer: Any errors in spelling or facts are transmission errors.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Ronald Smith, Jr.
Sent: Friday, May 30, 2008 9:27 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: A Couple HF Dipole Questions

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[Non-text portions of this message have been removed]

5020. Re: [ham-antennas] Which vertical???

Yahoo group: ham-antennas (2008)
Date: 2008-05-30 22:35:16 UTC
From: jerry
Topic: 5018 Message: 5020

i use a 27 ft home made alum vertical for portable ops with a icom ah-4 tuner and get good reports on both 40 and 80 meters on the century club nets
jerry wi7f

----- Original Message ----
From: Rob Thomson <G4LMW@btconnect.com>
To: ham-antennas@yahoogroups.com
Sent: Friday, May 30, 2008 2:57:54 PM
Subject: [ham-antennas] Which vertical???

Dear Group

I have the opportunity to install a plain tubular vertical and was considering a quarter wave for 40m. However, I do love 30m and 20m !

Given that the pole is actually primarily to be used to support a long-wire, I need to keep it high. I could introduce some base loading...

What are your thoughts and recommendations?

Regards
Rob, G4LMW

[Non-text portions of this message have been removed]

5021. RE: [ham-antennas] Re: A Couple HF Dipole Questions

Yahoo group: ham-antennas (2008)
Date: 2008-05-31 00:29:37 UTC
From: John P.
Topic: 5005 Message: 5021

My 2 cents follows.....

Most important is to keep it simple and not over build at first.

Remember that to buy some antenna system is paying them to measure and cut wore for you.

I have here 2 fan dipoles - #1 for 75, 40 & 20 (works of 15 also) with a broadside East-West
#2 for 20 & 15 with a broadside North-South

The f1rst dipole's center is at about 45 feet and the other dipole's center is at about 38 feet and directly below the first one and of course oriented 90 degrees.

I do not see any noticeable interaction.

Center insulators are made from short lengths of 2 1/2 PVC with eyebolts for a) each side of the dipole, b) support rope on top, c) support rope for coax.
I used a "clean out" plug on the top so that I can get inside for maintenance. At the bottom I mounted an SO-239. They both work well.

As far as supports, if you have trees use them. If you do not have a tree for the center try to span a rope between 2 trees to support the center and one other tree at each end for the ends. If you need a support pole, consider using a piece of Oak Stair railing. These come in 20 foot sections and I am told that they can be had for $1.50 per foot. You make it a tilt over, but the support would cost only $30.00 each!

As far as spacers, I used 9 inch lengths of 1 inch diameter PVC. This gives a 4 inch separation between fan dipole elements. At the ends I also used a piece of this PVC.

If you use a tree - IMPORTANT - do not forget to put a retrieval line so that if the antenna breaks you can pull down the insulator. Otherwise you may be STUCK!

As far a design if the "center support rope span" idea above does not work, consider a rope with the antenna supported below it (at several points) in a catenary fashion (like the overhead electrified rail road). My second dipole has this configuration and I have a double rope (smaller size) with one side passed thru a loop in the main rope to apply tension and assist in obtaining the correct "profile" or "droop" on the antenna.

As far as wire, I use #12 stranded & insulated wire here. The insulation is of the "THHN" type and I came across an article that stated that this insulation will reduce the "velocity factor" by about 4 %. Thus the calculated length will be 4% shorter.

As far as cutting to length what I have found that works best is to cut it 5% to 7% short. Then at each end I PERMANENTLY attach a tuning stub drooping down. This stub will usually be enough to make the total 102% which for 20 & 15 is only about 1 1/5 foot. You can twist it gently back on itself to "tweak" the resonance of the antenna.

Also, I found that it works best to start with the lowest frequency (e.g. 75 meter legs) and work up to the highest. Also I tune each one individually. That is I connect ONLY the one being tested/tuned. After that I connect ALL and "tweak" as needed.

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If you go to http://www.ac6v.com/ you will find tons of useful information.

I feed the antennas separately with RG-8x and the SWR is mostly 1.5: or below.

I do not use a Balun at all at this time. I might use a Balloon to put up a long wire if I get a large weather Balloon and some Helium however! (Hi Hi)

As I said, however, keep it simple and experiment. It is one of the fun things about Ham Radio

73's

Rich Schmuke <rdj@...> wrote: A fan is a easy way to start, a dipole works if the center droops a little
or if it supported a in the center becoming a inverted "V" . A inverted V
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If you want information on a easy to make center support look at my tilt
over setup in the photo section. If you are interested I can email you a
drawing and construction information.

Rich , Kd0zz

As an act of plagiarism . Disclaimer: Any errors in spelling or facts are
transmission errors.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On
Behalf Of Ronald Smith, Jr.
Sent: Friday, May 30, 2008 9:27 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: A Couple HF Dipole Questions

I like to thank you all for your input.
It sounds like I'm better off building my own dipole.
And as couple of you noted the fan dipole is easiest to start with
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Is it possible to build a fan dipole in an inverted V shape?
I like the place a spring at each end of the wire idea.
I'm going to look into a mast for the center, maybe I can get more
height.
James Fogg mention a 1:1 balun for about $25 US.
Are all 1:1 baluns the same?
There is a Hamfest locally in New Jersey this weekend (Saturday). I
like to go and pick up a 1:1 balun there. But what do I look for in
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--- In ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
, "James Fogg" <james@...> wrote:
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[mailto:ham-
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> On Behalf Of James Fogg
> Sent: Thursday, May 29, 2008 11:00 PM
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Subject: RE: [ham-antennas] A Couple HF Dipole Questions
>
>
>
> For storm survival, place a spring at each end of the wire, and
support
> the feed point with a mast. Some guys use pulleys at one or both
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> and weighted buckets, but a lot of evidence shows this encourages
> breakage because it starts whipping the wire as the buckets fall.
Don't
> pull your wire too tight, a little sag will help with water runoff
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>
> Even at 40M, a height of 25 feet is going to give you a high angle
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> If you are building/repairing I recommend a dipole for performance
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> Many wire antennas are directional (toward the sides), but you can
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> For multi-band no-tuner performance you can build a dipole as a fan
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Since
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> which is the resonant radiator.
>
> There is a wealth of free online info about dipoles and fan
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copper14ga
> "house wire" works great) and start building.
>
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> <mailto:ham-antennas%40yahoogroups.com>
> [mailto:ham-antennas@yahoogroups.com
<mailto:ham-antennas%40yahoogroups.com>
> <mailto:ham-antennas%40yahoogroups.com>]
> On Behalf Of Ronald Smith, Jr.
> Sent: Thursday, May 29, 2008 10:46 PM
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
<mailto:ham-antennas%
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> Subject: [ham-antennas] A Couple HF Dipole Questions
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> Thank for the input.
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> No virus found in this incoming message.
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> Version: 8.0.100 / Virus Database: 269.24.4/1473 - Release Date:
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>
> [Non-text portions of this message have been removed]
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> [Non-text portions of this message have been removed]
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[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

5022. RE: [ham-antennas] Re: A Couple HF Dipole Questions ++++

Yahoo group: ham-antennas (2008)
Date: 2008-05-31 00:41:17 UTC
From: John P.
Topic: 5005 Message: 5022

In my previous post I forgot to note how I got the rope 60 feet up in the trees....

I used a 25 pound bow and a simple target arrow (Walmart) & 25-pound-test fishing line.

After shooting the line, I used it to pull up mason line. I then used the mason line to pull up small rope. Finally, I used the small rope to pull up the large rope.

I did find out that taping (electrical tape) the connections between the increasing sizes of rope enabled the rope to be more easily pulled over the tree branches.

Of course you could always use a remote control model helicopter to carry the line aloft over the tree, hire a crane, of some other rediculous method!

73's

"John P." <jpetrocxme@...> wrote:
My 2 cents follows.....

Most important is to keep it simple and not over build at first.

Remember that to buy some antenna system is paying them to measure and cut wore for you.

I have here 2 fan dipoles - #1 for 75, 40 & 20 (works of 15 also) with a broadside East-West
#2 for 20 & 15 with a broadside North-South

The f1rst dipole's center is at about 45 feet and the other dipole's center is at about 38 feet and directly below the first one and of course oriented 90 degrees.

I do not see any noticeable interaction.

Center insulators are made from short lengths of 2 1/2 PVC with eyebolts for a) each side of the dipole, b) support rope on top, c) support rope for coax.
I used a "clean out" plug on the top so that I can get inside for maintenance. At the bottom I mounted an SO-239. They both work well.

As far as supports, if you have trees use them. If you do not have a tree for the center try to span a rope between 2 trees to support the center and one other tree at each end for the ends. If you need a support pole, consider using a piece of Oak Stair railing. These come in 20 foot sections and I am told that they can be had for $1.50 per foot. You make it a tilt over, but the support would cost only $30.00 each!

As far as spacers, I used 9 inch lengths of 1 inch diameter PVC. This gives a 4 inch separation between fan dipole elements. At the ends I also used a piece of this PVC.

If you use a tree - IMPORTANT - do not forget to put a retrieval line so that if the antenna breaks you can pull down the insulator. Otherwise you may be STUCK!

As far a design if the "center support rope span" idea above does not work, consider a rope with the antenna supported below it (at several points) in a catenary fashion (like the overhead electrified rail road). My second dipole has this configuration and I have a double rope (smaller size) with one side passed thru a loop in the main rope to apply tension and assist in obtaining the correct "profile" or "droop" on the antenna.

As far as wire, I use #12 stranded & insulated wire here. The insulation is of the "THHN" type and I came across an article that stated that this insulation will reduce the "velocity factor" by about 4 %. Thus the calculated length will be 4% shorter.

As far as cutting to length what I have found that works best is to cut it 5% to 7% short. Then at each end I PERMANENTLY attach a tuning stub drooping down. This stub will usually be enough to make the total 102% which for 20 & 15 is only about 1 1/5 foot. You can twist it gently back on itself to "tweak" the resonance of the antenna.

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I do not use a Balun at all at this time. I might use a Balloon to put up a long wire if I get a large weather Balloon and some Helium however! (Hi Hi)

As I said, however, keep it simple and experiment. It is one of the fun things about Ham Radio

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Behalf Of Ronald Smith, Jr.
Sent: Friday, May 30, 2008 9:27 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: A Couple HF Dipole Questions

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> Sent: Thursday, May 29, 2008 10:46 PM
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>

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5023. Re: [ham-antennas] Re: A Couple HF Dipole Questions Mast info

Yahoo group: ham-antennas (2008)
Date: 2008-05-31 01:04:20 UTC
From: MAXXOUT2@AOL.COM
Topic: 5023 Message: 5023

Just some info.
An ebay seller is selling two 28 foot foot fiberglass telescopic poles
$64.99+ $17.40 shipping for both poles
They telescope down to 48"
Pour down a small concrete and insert # 80 PVC to insert the mast.
Then you can take the antenna down in less then a minute during storms or
for working on it
http://tinyurl.com/67o2ch
BOB
AF2Q

In a message dated 5/30/2008 5:41:48 P.M. Pacific Standard Time,
jpetrocxme@... writes:

As far as supports, if you have trees use them. If you do not have a tree
for the center try to span a rope between 2 trees to support the center and one
other tree at each end for the ends. If you need a support pole, consider
using a piece of Oak Stair railing. These come in 20 foot sections and I am
told that they can be had for $1.50 per foot. You make it a tilt over, but the
support would cost only $30.00 each!

**********Get trade secrets for amazing burgers. Watch "Cooking with
Tyler Florence" on AOL Food.
(http://food.aol.com/tyler-florence?video=4&?NCID=aolfod00030000000002)

[Non-text portions of this message have been removed]

5024. RE: [ham-antennas] Re: A Couple HF Dipole Questions ++++

Yahoo group: ham-antennas (2008)
Date: 2008-05-31 02:05:46 UTC
From: James M.(Jim) Geidl
Topic: 5005 Message: 5024

John,

Thank you! Thank you! Thank you! You have given me a great excuse to buy
a RC helicopter.

Jim, K6JMG
//

> [mailto:ham-antennas@yahoogroups.com] On Behalf Of John P.
> Sent: Friday, May 30, 2008 5:41 PM
> To: ham-antennas@yahoogroups.com
> Subject: RE: [ham-antennas] Re: A Couple HF Dipole Questions ++++
>
> In my previous post I forgot to note how I got the rope 60
> feet up in the trees....
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> I used a 25 pound bow and a simple target arrow (Walmart) &
> 25-pound-test fishing line.
>
> After shooting the line, I used it to pull up mason line.
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> used the small rope to pull up the large rope.
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> I did find out that taping (electrical tape) the
> connections between the increasing sizes of rope enabled the
> rope to be more easily pulled over the tree branches.
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> Of course you could always use a remote control model
> helicopter to carry the line aloft over the tree, hire a
> crane, of some other rediculous method!
>
> 73's

5025. RE: [ham-antennas] Re: A Couple HF Dipole Questions ++++

Yahoo group: ham-antennas (2008)
Date: 2008-05-31 02:28:09 UTC
From: John P.
Topic: 5005 Message: 5025

Jim,

Why not buy a REAL helicopter - just in case!!!

Of course, you could always use a .22 rifle and tie the fish line to the bullet and shoot it over the tree

Hi HI HI

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[Non-text portions of this message have been removed]

5026. RE: [ham-antennas] Re: A Couple HF Dipole Questions ++++

Yahoo group: ham-antennas (2008)
Date: 2008-05-31 02:32:15 UTC
From: James M.(Jim) Geidl
Topic: 5005 Message: 5026

John,

Don't have a .22, do you think it would work with a 9mm?

Jim, K6JMG
//

> [mailto:ham-antennas@yahoogroups.com] On Behalf Of John P.
> Sent: Friday, May 30, 2008 7:28 PM
> To: ham-antennas@yahoogroups.com
> Subject: RE: [ham-antennas] Re: A Couple HF Dipole Questions ++++
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5027. RE: [ham-antennas] Re: A Couple HF Dipole Questions

Yahoo group: ham-antennas (2008)
Date: 2008-05-31 02:38:07 UTC
From: James Fogg
Topic: 5005 Message: 5027

Since you sound like you are new to radio, I should mention why we use a balun with a dipole.

A dipole has an approximate feedpoint impedance of 50 ohms when used at the frequency it was cut to length for. If you feed it with 50 ohm coax and your radio is designed for a 50 ohm antenna (nearly all are, and anything modern definitely is), then everything is fine. Except, you'll find RF current on your feedline shield, and that can cause problems, including RF bites at your radio. A 1:1 balun isolates the feedline (at RF anyways) and keeps all the RF current in the antenna.

A 4:1 balun matches a 50 ohm radio/coax with antennas and feedlines that aren't 50 ohm, such as 400 ohm ladder line or 300 ohm television "twin lead". Also, ladder line is a balanced feedline. Neither conductor is at ground potential. Coax is unbalanced, since the shield is grounded. This is actually a simplification, but will work for now.

Some people skip the 1:1 balun for a dipole and instead wrap a few turns of the coax around a little piece of PVC pipe at the antenna. This will work to isolate the feedline at RF.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
On Behalf Of James Fogg
Sent: Friday, May 30, 2008 5:02 PM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Re: A Couple HF Dipole Questions

All 1:1 baluns are similar. Some can handle more power, but any of them should handle 200W. Look for one that appears to be able to take the stress of the wire antenna hanging from it. I like ones that have a mounting eye bolt at the top so I can hang it from a support.

No virus found in this incoming message.
Checked by AVG.
Version: 8.0.100 / Virus Database: 269.24.4/1474 - Release Date: 5/30/2008 7:44 AM

[Non-text portions of this message have been removed]

5028. RE: [ham-antennas] Re: A Couple HF Dipole Questions ++++

Yahoo group: ham-antennas (2008)
Date: 2008-05-31 12:48:37 UTC
From: Rich Schmuke
Topic: 5005 Message: 5028

I hope you see now that there are no hard and fast rules to getting an antenna up or how to support the ends. Higher is better but some people will argue about each ½ or ¼ wave increment in height for each band. Most of us use what we have be it tree or pole. I do know the more you do your self the more fun it becomes. All my very successful attempts and failures have been done as per □SWAG□***. This method will always work in the long run.

SWAG *** scientific wild ass guess

Rich , Kd0zz

As an act of plagiarism . Disclaimer: Any errors in spelling or facts are transmission errors.

[Non-text portions of this message have been removed]

5029. Re: Which vertical???

Yahoo group: ham-antennas (2008)
Date: 2008-05-31 14:37:33 UTC
From: steve95446
Topic: 5018 Message: 5029

Defintely recommend the Hustler verticals. I tested the 5-BTV for three months and it worked very well, especially on 20m and 40m. 80m is very narrow indeed.

The 6-BTV would cover 30m. Not sure about using it to support a long wire though!

Steve G0KYA

5030. Methods of Getting a rope over a limb

Yahoo group: ham-antennas (2008)
Date: 2008-05-31 17:19:51 UTC
From: Alan Wilson
Topic: 5030 Message: 5030

Anyone ever used a crossbow or crossbow pistol to get a line over a limb? I've seen some for sale on ebay with fishing reel, line, and fishing arrows. 73, Alan

5031. Methods of Getting a rope over a limb

Yahoo group: ham-antennas (2008)
Date: 2008-05-31 17:32:39 UTC
From: Bill Coulson
Topic: 5030 Message: 5031

I was wondering if anyone has seen these sites

http://www.n0ew.org/k0s/air_gun/

http://www.antennalaunchers.com/

http://www.qsl.net/wb6zqz/the_rest_of_the_story.html

There to was a very interesting video out there where a guy during field day uses a tennis ball gun to fire a ball up and over a tall tree to put up an antenna but I could not locate it.

Bill Coulson K7EKO
Colville, WA

[Non-text portions of this message have been removed]

5032. Re: [ham-antennas] Methods of Getting a rope over a limb

Yahoo group: ham-antennas (2008)
Date: 2008-05-31 17:40:11 UTC
From: W8OKN
Topic: 5030 Message: 5032

Getting wires up into trees is a real struggle for me. I am now assembling PVC pipe, 40 feet of it, to lift the wires up over the trees around my home.

I'll let you know if it works.

W8OKN

----- Original Message -----
From: Alan Wilson
To: ham-antennas@yahoogroups.com
Sent: Saturday, May 31, 2008 1:19 PM
Subject: [ham-antennas] Methods of Getting a rope over a limb

Anyone ever used a crossbow or crossbow pistol to get a line over a limb? I've seen some for sale on ebay with fishing reel, line, and fishing arrows. 73, Alan

---

No virus found in this incoming message.
Checked by AVG.
Version: 7.5.524 / Virus Database: 269.24.4/1475 - Release Date: 5/30/2008 2:53 PM

[Non-text portions of this message have been removed]

5033. RE: [ham-antennas] Methods of Getting a rope over a limb

Yahoo group: ham-antennas (2008)
Date: 2008-05-31 18:06:45 UTC
From: James M.(Jim) Geidl
Topic: 5030 Message: 5033

I just use a fishing pole and hang a moderate weight on the line and cast it normally.

Jim, K6JMG
//

> [mailto:ham-antennas@yahoogroups.com] On Behalf Of Bill Coulson
> Sent: Saturday, May 31, 2008 10:33 AM
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] Methods of Getting a rope over a limb
>
> I was wondering if anyone has seen these sites
>
> http://www.n0ew.org/k0s/air_gun/
>
> http://www.antennalaunchers.com/
>
> http://www.qsl.net/wb6zqz/the_rest_of_the_story.html
>
>
> There to was a very interesting video out there where a guy
> during field day uses a tennis ball gun to fire a ball up and
> over a tall tree to put up an antenna but I could not locate it.
>
> Bill Coulson K7EKO
> Colville, WA

5034. Re: [ham-antennas] Methods of Getting a rope over a limb

Yahoo group: ham-antennas (2008)
Date: 2008-05-31 18:13:28 UTC
From: KE5PIQ
Topic: 5030 Message: 5034

Never used a crossbow but a compound bow with a Zebco reel works great.
Craig KE5PIQ

On Sat, May 31, 2008 at 12:06 PM, James M.(Jim) Geidl
<jgeidl@...> wrote:
> I just use a fishing pole and hang a moderate weight on the line and cast it
> normally.
>
> Jim, K6JMG
> //
>
>
>> [mailto:ham-antennas@yahoogroups.com] On Behalf Of Bill Coulson
>> Sent: Saturday, May 31, 2008 10:33 AM
>> To: ham-antennas@yahoogroups.com
>> Subject: [ham-antennas] Methods of Getting a rope over a limb
>>
>> I was wondering if anyone has seen these sites
>>
>> http://www.n0ew.org/k0s/air_gun/
>>
>> http://www.antennalaunchers.com/
>>
>> http://www.qsl.net/wb6zqz/the_rest_of_the_story.html
>>
>>
>> There to was a very interesting video out there where a guy
>> during field day uses a tennis ball gun to fire a ball up and
>> over a tall tree to put up an antenna but I could not locate it.
>>
>> Bill Coulson K7EKO
>> Colville, WA
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 974
members (as of 11/07/07, and attachments are NOT permitted.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>

>
>

5035. RE: [ham-antennas] Methods of Getting a rope over a limb

Yahoo group: ham-antennas (2008)
Date: 2008-05-31 18:20:54 UTC
From: Rich Schmuke
Topic: 5030 Message: 5035

I do the same as Jim , with the fishing pole.

Rich , Kd0zz

As an act of plagiarism . Disclaimer: Any errors in spelling or facts are transmission errors.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of James M.(Jim) Geidl
Sent: Saturday, May 31, 2008 1:07 PM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Methods of Getting a rope over a limb

I just use a fishing pole and hang a moderate weight on the line and cast it normally.

Jim, K6JMG
//

> [mailto:ham-antennas@yahoogroups.com
<mailto:ham-antennas%40yahoogroups.com>] On Behalf Of Bill Coulson
> Sent: Saturday, May 31, 2008 10:33 AM
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Subject: [ham-antennas] Methods of Getting a rope over a limb
>
> I was wondering if anyone has seen these sites
>
> http://www.n0ew.org/k0s/air_gun/
>
> http://www.antennalaunchers.com/
>
> http://www.qsl.net/wb6zqz/the_rest_of_the_story.html
>
>
> There to was a very interesting video out there where a guy
> during field day uses a tennis ball gun to fire a ball up and
> over a tall tree to put up an antenna but I could not locate it.
>
> Bill Coulson K7EKO
> Colville, WA

[Non-text portions of this message have been removed]

5036. RE: [ham-antennas] Methods of Getting a rope over a limb

Yahoo group: ham-antennas (2008)
Date: 2008-05-31 19:48:42 UTC
From: Kirk Morrison
Topic: 5030 Message: 5036

I use a slingshot with a closed face spinning reel and 15lb line, I use a .5 to .75 oz sinker I fire it up and over the branch and then use it to raise a messenger line and use that to hoist the heaving line. The system will get my lines into the tallest pines on my property so I am quite happy with it. I can get up to about 85 feet or so with a bit of work. I am quite happy with this method if the XYL helps I can have both ends of an antenna up in about half and hour.

Kirk KA4PXK

_____
E-mail for the greater good. Join the i’m Initiative from Microsoft.
http://im.live.com/Messenger/IM/Join/Default.aspx?source=EML_WL_ GreaterGood

5037. Re: [ham-antennas] good mobile antenna for 3.975 mhz

Yahoo group: ham-antennas (2008)
Date: 2008-05-31 20:28:07 UTC
From: Wayne
Topic: 4993 Message: 5037

A few deatils with hamsticks, being as I have a 6 meter version, and read the instructions for all models.
First, I suggest buying Stainless Steel allen set screws. the 6 meter came with ones that take a regular screwdriver, and the slots get messed up easily.
Second, check SWR at two points to see what you may need to trim off the "stinger" (steel whip part), and be sure to _NOT_ shove it down inside, as they made them with a part of the winding going through the center of the hollow portion of the whip. At least that is what the instruction sheet says. You don't want to risk cutting that wire. The six meter version did not have the wire going through the center though.

I bought a set of IronHorse whips, similar to the Hamsticks. Those can be tuned without cutting the stinger. May actually be a bit broader banded due to capactitance. They seem to have discontinued these however, except for one or two versions.
Even these could stand having the set screws replaced with Stainless Steel, as the originals get a bit rusty, and deform in the allen portion too easily.
One place you may be able to get the Stainless versions is Ace hardware.

Note, most of these types of whips may need retuning if moved to another vehicle.
And as stated, a good ground at the mount works best.

RG58, and Mini 8 (8x) is normally adequate for up to 150-200 watts.
I prefer soldered connectors to crimp, and seal the coax at the antenna end to keep moisture of all sorts out.

Due to the height of these antennas, I suggest using a heavy stainless steel spring at the base.
Plated springs will eventually rust. And you want some "give" in case you conatct a tree branch, wire or ???...
any possible mounts. You can roll your own in some instances.
I used a heavy 4 magnet base with spring and a set of bayonet mounts.
Mine are Also from Iron Horse, also no longer available it seems.
As a set, I got one stud and 5 top sections. Note, different makes made theirs slightly different, and not always interchangeable. With mine, it allowed for a fast band change. had to stop to do so, but worked reasoably well.
I contacted Sweden, Finland and Russia on 20 meters from north of Seattle in washington, Seattle to California on 40 meters, and even Oregon to California on 75 meters.
100 watts on a 706 MK II G.
Vehicle was a Saturn wagon, antenna in middle of roof...
YMMV

Wayne WA2YNE

On Wed, 28 May 2008 22:28:03 -0500, Alan Wilson <ke4nu7@...> wrote:

> Hamsticks are the cheap way to go and they work good too. All you need
> is a
> 3/8 X 24 mount, coax and your good to go. Make sure to ground, and then
> ground some more...I've used one for 75 meters on a dodge van and it does
> surprisingly well...Good luck, Alan
>
> On Wed, May 28, 2008 at 7:06 PM, pa22161 <tripacer@...> wrote:
>
>> I am looking to get a good mobile antenna for 3.975 mhz SSB 100 watts.
>> I need to mount it on a 2005 Dodge Dayota pickup. What do you suggest?
>>
>> Mike Crowe
>> AJ4GU
>>
>>
>>
>
>
>

--
Using Opera's revolutionary e-mail client: http://www.opera.com/mail/

5038. RE: [ham-antennas] Methods of Getting a rope over a limb

Yahoo group: ham-antennas (2008)
Date: 2008-05-31 21:04:23 UTC
From: James Fogg
Topic: 5030 Message: 5038

If your state allows "wrist rocket" style sling shots they work really well. Someone makes something called the EZ Hang (http://www.ezhang.com), which is a wrist rocket and a fishing reel. It's expensive ($100). I made the same thing for $25.00 in new parts from Wal-Mart. If you have a reel or sling shot you are already ahead of the game.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Alan Wilson
Sent: Saturday, May 31, 2008 1:20 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Methods of Getting a rope over a limb

Anyone ever used a crossbow or crossbow pistol to get a line over a limb? I've seen some for sale on ebay with fishing reel, line, and fishing arrows. 73, Alan

No virus found in this incoming message.
Checked by AVG.
Version: 8.0.100 / Virus Database: 269.24.4/1476 - Release Date: 5/31/2008 12:25 PM

[Non-text portions of this message have been removed]

5039. Cishcraft 40-2CD

Yahoo group: ham-antennas (2008)
Date: 2008-06-01 00:50:12 UTC
From: Scott Long
Topic: 5039 Message: 5039

I am in the process of purchasing a Cushcraft 40-2CD 40M yagi. Does anyone know if Cushcraft still has parts for this beam? I also need a manual for this beam if anyone knows of one or where I can download one. Please email me direct.

Scott, K8SM
k8sm@...

5040. RE: [ham-antennas] Methods of Getting a rope over a limb

Yahoo group: ham-antennas (2008)
Date: 2008-06-01 01:15:01 UTC
From: James M.(Jim) Geidl
Topic: 5030 Message: 5040

If you want to "lift" them into place you might want to look at a Jackkite pole, they work great. Anytime I have to place anything with a degree of precision I use my Jackkite pole. I think the max length is 32" but that amounts to almost fifty with a step ladder and the average man. Best part is the collapse to about 4' log.

Jim, K6JMG
//

> [mailto:ham-antennas@yahoogroups.com] On Behalf Of W8OKN
> Sent: Saturday, May 31, 2008 10:40 AM
> To: ham-antennas@yahoogroups.com
> Subject: Re: [ham-antennas] Methods of Getting a rope over a limb
>
> Getting wires up into trees is a real struggle for me. I am
> now assembling PVC pipe, 40 feet of it, to lift the wires up
> over the trees around my home.
>
> I'll let you know if it works.
>
> W8OKN
>
> ----- Original Message -----
> From: Alan Wilson
> To: ham-antennas@yahoogroups.com
> Sent: Saturday, May 31, 2008 1:19 PM
> Subject: [ham-antennas] Methods of Getting a rope over a limb
>
>
> Anyone ever used a crossbow or crossbow pistol to get a line over a
> limb? I've seen some for sale on ebay with fishing reel, line, and
> fishing arrows. 73, Alan

5041. Re: [ham-antennas] Re: Telephone Cable Stealth antenna

Yahoo group: ham-antennas (2008)
Date: 2008-06-01 06:47:29 UTC
From: Wayne
Topic: 4991 Message: 5041

On Thu, 29 May 2008 10:06:26 -0500, vaclav_sal <vaclav_sal@...>
wrote:

> Antennas 101 - Anything will radiate.

Like the lousy rubber dummy loads that copme with some HT's...

> The question is - how efficiently.

Not very, in many cases.

> Next question is how much power it will accept from your transmitter.
> If you can match this piece of wire to your transmitter you will have
> it made.

I found it is not really matching the antenna, onl;y making the SWR
accepatble.
Won't make it work any better, as you say.

> Next question – if you care – where it will send its radiated energy?
> I would venture to speculate it will be absorbed by your house walls
> and very little of it will get to wandering around the globe.

In some cases, it can bite you. I have gotten 2 minor RF burns in
instances where there was RF feedback that managed to make the hanger on
the microphone RF hot.

> As they say in Business 101 – you get what you pay for.
> I am just curious as you are and would like to know how is the 60Hz
> reception when you shorten both ends of the wire – use it as an end
> single wire – and how is it when used as a single end fed pair of
> wires.
> In theory the 60Hz and other noises should cancel in ONE twisted
> pair.
> Of course again assuming that you have a single twisted pair
> telephone cable running around your house.
>
> Using real scientific approach – I would run an SWR analyzer on it!
>
> 73 Vaclav AA7EJ
>
>

Theory is one thing, practice another
If you get the antenna itself to radiate enough, it can work very well.
But I tend to wonder about antennas that require a tuner for al
frequencies in use.

In an actual test, I seemed to get better results from a 75 meter dipole than from a 150 foot (or more) random end fed wire. the end fed was/is an old type telco wire, and I used both parts tied together at the tuner. Worked, but nowhere near as well as the dipole. Might have worked better if I had shortened it to 1/4 wave on the lowest band I tried it on (160 meters).
A reasonably good RF ground can help a lot.
YMMV

Wayne WA2YNE
Imperial, Tejas

--
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5042. Re: [ham-antennas] Methods of Getting a rope over a limb

Yahoo group: ham-antennas (2008)
Date: 2008-06-01 15:31:45 UTC
From: danny garvin
Topic: 5030 Message: 5042

I built a launcher for field day I found that 2 1/2 inch PVC is very hard to find wich is the size of a standard tennis ball so I used 2 inch PVC and I found that the small tennis balls that you can buy at pet stores for you pets to play with work just as well. I am going to do some testing next week to see how well it dose.
Danny
WB9RIM

----- Original Message ----
From: Bill Coulson <wcoulson@...>
To: ham-antennas@yahoogroups.com
Sent: Saturday, May 31, 2008 12:32:39 PM
Subject: [ham-antennas] Methods of Getting a rope over a limb

I was wondering if anyone has seen these sites

http://www.n0ew. org/k0s/air_ gun/

http://www.antennal aunchers. com/

http://www.qsl. net/wb6zqz/ the_rest_ of_the_story. html

There to was a very interesting video out there where a guy during field day uses a tennis ball gun to fire a ball up and over a tall tree to put up an antenna but I could not locate it.

Bill Coulson K7EKO
Colville, WA

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

5043. Re: [ham-antennas] Re: A Couple HF Dipole Questions ++++

Yahoo group: ham-antennas (2008)
Date: 2008-06-01 17:49:37 UTC
From: Phil Bader
Topic: 5005 Message: 5043

Sounds like some of these hams have a lot of disposable income and very understanding wives...
Phil B
Philip Bader
Polk County School Board
Intercom & Fire Alarm Electronics Systems Tech
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakelandarc.org/
pbader@...

----- Original Message -----
From: John P.
To: ham-antennas@yahoogroups.com
Sent: Friday, May 30, 2008 10:28 PM
Subject: RE: [ham-antennas] Re: A Couple HF Dipole Questions ++++

Jim,

Why not buy a REAL helicopter - just in case!!!

Of course, you could always use a .22 rifle and tie the fish line to the bullet and shoot it over the tree

Hi HI HI

"James M.(Jim) Geidl" <jgeidl@...> wrote:
John,

Thank you! Thank you! Thank you! You have given me a great excuse to buy
a RC helicopter.

Jim, K6JMG
//

> [mailto:ham-antennas@yahoogroups.com] On Behalf Of John P.
> Sent: Friday, May 30, 2008 5:41 PM
> To: ham-antennas@yahoogroups.com
> Subject: RE: [ham-antennas] Re: A Couple HF Dipole Questions ++++
>
> In my previous post I forgot to note how I got the rope 60
> feet up in the trees....
>
> I used a 25 pound bow and a simple target arrow (Walmart) &
> 25-pound-test fishing line.
>

> After shooting the line, I used it to pull up mason line.
> I then used the mason line to pull up small rope. Finally, I
> used the small rope to pull up the large rope.
>
> I did find out that taping (electrical tape) the
> connections between the increasing sizes of rope enabled the
> rope to be more easily pulled over the tree branches.
>
> Of course you could always use a remote control model
> helicopter to carry the line aloft over the tree, hire a
> crane, of some other rediculous method!
>
> 73's

[Non-text portions of this message have been removed]

No virus found in this incoming message.
Checked by AVG.
Version: 7.5.524 / Virus Database: 269.24.4/1473 - Release Date: 5/29/2008 7:53 PM

[Non-text portions of this message have been removed]

5044. Re: [ham-antennas] good mobile antenna for 3.975 mhz

Yahoo group: ham-antennas (2008)
Date: 2008-06-01 20:31:43 UTC
From: Wayne
Topic: 4993 Message: 5044

A 75 meter ham stick would be far better than using a 9 foot stell whip
and a tuner.
For a 9 foot steel whip to come even close, you'd need a big loading coil
at the base of the whip.
The Hamstick, and similar antennas, use a helically wound wire on a
fiberglas form, and a small steel whip for adjustment. Once properly
tuned, it will be electrically 1/4 wave at the frequency adjusted for.
The common 9 foot, usually shorter, steel whip was cut mainly for 11
meters. Shorten a bit for ten meters.
Actually, the formula comes out that a 9 foot steel whip would more
likely be resonany at about 26 MHz, and would need to be trimmed to work
properly on 11 meters.
Using a tuner to get a plain 9 foot whip to work on 75 meters would mean
that much power would be lost in the tuner. And some tuners could not
handle it.

The "latter" as you call it, would not really have "more" capture area.
Back to antenna basics 101...
And for the record, I used a 75 meter Iron Horse whip, similar to the
Hamstick, and had fairly good results with it.
YMMV

Wayne WA2YNE

On Thu, 29 May 2008 21:15:14 -0500, Phil Bader <PBADER@...>
wrote:

> Would a severly loaded 80 mtr ham stick be better than the same mount
> with a standard 9 foot steel whip with an antenna tuner? The latter
> would have heigth as well as more capture area,no?
> Phil B
--
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5045. Re: [ham-antennas] A Couple HF Dipole Questions

Yahoo group: ham-antennas (2008)
Date: 2008-06-01 21:06:36 UTC
From: Wayne
Topic: 5005 Message: 5045

If you build your own dipole, all you need is wire, #16 stranded or even 14 or 12 better, some insulators (you can make these out of PVC or similar material) and coaxial cable.
A balun is not 100% essential.
the dipole I put up in 2002 had no balun at first. I added a 1:1 W2AU balun afterwards, and saw no real difference in performance.
You can form a balun of sorts by using a coil of coax at the dipoles feed point.
You will see many arguments pro and con about using baluns.
You will see many arguments saying to use ladder line to feed the antenna.
I will simply say that a plain center fed dipole, resonant on the lowest band you plan to use, will do as well as all the other types, and be a lot less expensive to make.
You can often get hunks of wire free that will work as well.
My present antenna is a double dipole, 75 meters and 160 meters. the 75 meter part is #12 insulated wire, and does well enough. the 160 meter legs are mainly #16 stranded wire, also works well, and with a tuner, also works well on 40 and up to 10 meters. Would work on 6, but my present tuner won't work for 6 meters. I have talked around the world using simple dipoles. main thing is to get the wire up there and tuned...
A basic 40 meter dipole is only about 64 1/2 feet long (32 1/4 feet each leg).
I always start a bit long and adjust downward as needed. Allow a bit to wrap at the insulators.
I have used both steel guy wire and heavy cords to support the ends. I set mine up so I can drop the center as needed, using a pulley and cable to support the balun.
I have heard stations in the caribean on 160 meters (I am in West Texas)
And some time back, I talked to St Thomas, virgin islands, on 40 meters from near Modesto California early in the morning. Of course, it depends on time and band conditions.
YMMV

Wayne WA2YNE
Imperial, Tejas

On Thu, 29 May 2008 21:45:33 -0500, Ronald Smith, Jr. <n2msv@...>
wrote:

> I want to put up my first dipole, but I only have about 70 ft of
> space to hang it and the dipole would only be up about 25 ft. I would
> like to run 40, 20, 15, and 10.
>
> I was told I should get an Alpha Delta DX-EE for starting out.
> But I came across the New Carolina Windom by Len Carlson K4IWL
> <http://www.hamuniverse.com/k4iwlnewwindom.html>

>
> I'd like to try building my own dipole.
> I would like something I can easily rebuild / repair without a lot of
> expense. I get ice and wind storms in my area that cause tree damage
> a couple times a year. So I'm thinking the dipole I put up, will
> break at least once a year. Unless there are tricks for putting up a
> dipole to have them survive ice and wind storms.
>
> Is a New Carolina Windom dipole a good choice for a beginner or is
> Alpha Delta DX-EE a better choice? Or is there something else better
> for limited hanging space that I can build?
>
> Are all baluns the same? Is a 4:1 balun for $70, better then a 4:1
> balun for $35? And is worth spending the extra money?
>
> Thank for the input.
> Ron N2MSV
>
>

--
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5046. Re: [ham-antennas] Re: A Couple HF Dipole Questions

Yahoo group: ham-antennas (2008)
Date: 2008-06-01 22:34:38 UTC
From: Wayne
Topic: 5005 Message: 5046

The W2AU Balun is rated for 2000 watts, so no real problem there, especially at $24.95 or whatever. I have been using mine since 2002 and no problems whatsoever with it.
The W2AU balun does have the eye for supporting it.
I had bought mine at HRO, but they don't list it in their catalog now.
Maybe AES or one of many other places out there...

Wayne WA2YNE

On Fri, 30 May 2008 16:01:58 -0500, James Fogg <james@...> wrote:

> All 1:1 baluns are similar. Some can handle more power, but any of them
> should handle 200W. Look for one that appears to be able to take the
> stress of the wire antenna hanging from it. I like ones that have a
> mounting eye bolt at the top so I can hang it from a support.
>
>
> There are also 4:1 baluns which are used to convert ladder line feeds to
> coax, and aren't appropriate unless you are using ladder line.
>
>
> Yes, fan dipoles can be built as inverted V's. For any inverted V you'll
> need sufficient height to allow a V angle of 45 to 120 degrees
> (unfortunately I slept through trigonometry, but there are some trig
> websites that'll help you figure out how high you have to get to achieve
> your angle). It's also a good idea to have enough height at the center
> so that the ends don't come closer than 10 feet to the ground to prevent
> someone from getting an RF bite should they touch it when you transmit.
> Mine come within 4 feet, but I live in the back woods of New Hampshire
> and if anyone is in my yard they have bigger problems than a silly
> antenna.
>
>
> Not all wire antennas will perform well as an inverted V. You'll need to
> check design plans for other types of home built wire antennas. You
> should also know that if you choose to use ladder line as a feed, or if
> your antenna design requires ladder line (some do, the ladder becomes a
> radiator at certain frequencies), then the ladder line needs to be kept
> in the air and away from anything metal, or other antennas and
> feedlines. Some antenna designs require that the ladder line remain near
> vertical.
>
>
> When you are looking at wire antennas remember that each design is
> intended to address specific needs (multi-band, shortened, positioning
> problems, disguise, etc.). It's not unusual for a non-dipole wire

> antenna to have some trade-off that you have to live with (performance,
> radiation angle, etc.). Google is your friend.
>

trimmed, getting way too long.
--
Using Opera's revolutionary e-mail client: http://www.opera.com/mail/

5047. Avanti Astro Plane for 10m?

Yahoo group: ham-antennas (2008)
Date: 2008-06-02 02:29:46 UTC
From: ve9xyz
Topic: 5047 Message: 5047

I found my like-new disassembled Avanti Astroplane in the basement recently and just happened to see its description in an old 1969 Allie Electrinics catalogue: "SWR less than 1:1.4 on all CB channels and 10-meter ham band."

Mine is exactly like the one featured in http://www.rigpix.com/antennas/avanti_av101.htm I remembered that its gain was reportedly 4.46 dBi and I wonder if this is in fact a good antenna to resurrect for my Kenwood TS-570DG.

It was an odd looking thing, but worked well as I recall. I'd have thought that I'd need to trim it but I'd not be certain where to start.

73

Kevin
VE9-XYZ
myfamilydotcom@...

5048. Re: [ham-antennas] Avanti Astro Plane for 10m?

Yahoo group: ham-antennas (2008)
Date: 2008-06-02 08:55:04 UTC
From: Walter A. Breining
Topic: 5047 Message: 5048

With slight length changes, this will be an excellent antenna for 10 meter operation. The only thing that will be better would be a beam.

Vy 73, Walt, N9WB

----- Original Message -----
From: ve9xyz
To: ham-antennas@yahoogroups.com
Sent: Sunday, June 01, 2008 22:29
Subject: [ham-antennas] Avanti Astro Plane for 10m?

I found my like-new disassembled Avanti Astroplane in the basement recently and just happened to see its description in an old 1969 Allie Electrinics catalogue: "SWR less than 1:1.4 on all CB channels and 10-meter ham band."

Mine is exactly like the one featured in http://www.rigpix.com/antennas/avanti_av101.htm I remembered that its gain was reportedly 4.46 dBi and I wonder if this is in fact a good antenna to resurrect for my Kenwood TS-570DG.

It was an odd looking thing, but worked well as I recall. I'd have thought that I'd need to trim it but I'd not be certain where to start.

73

Kevin
VE9-XYZ
myfamilydotcom@...

No virus found in this incoming message.
Checked by AVG.
Version: 8.0.100 / Virus Database: 269.24.4/1477 - Release Date: 6/1/2008 17:28

5049. Homebrew 20 meter vertical

Yahoo group: ham-antennas (2008)
Date: 2008-06-02 12:29:09 UTC
From: Sean Doran
Topic: 5049 Message: 5049

Had a blast making a vertical this weekend for 20 meters (8-12 radials for now). It was quite educational comparing it to my Windom. The patterns seem different and one antenna performs better than the other at various times, so clearly the lobes are different. Only time will tell as to whether one is consistently better than the other.

W8OKN

--

---
www.athelasoutdoor.org
www.workerresources.org
www.redeemertraversecity.org

[Non-text portions of this message have been removed]

5050. Re: Avanti Astro Plane for 10m?

Yahoo group: ham-antennas (2008)
Date: 2008-06-02 20:35:25 UTC
From: Keith
Topic: 5047 Message: 5050

You would want to trim the two vertical sides to make shorter.
It depends on how old it is and how the tubing is swaged.
If the two top halves aren't swaged at the bottom where they join you
can trim there.
If they are swaged and made larger for the bottom sections to fit
into then trim them at the top where they fit into the mounting
bracket.

Keith

--- In ham-antennas@yahoogroups.com, "ve9xyz" <myfamilydotcom@...>
wrote:
>
> I found my like-new disassembled Avanti Astroplane in the basement
> recently and just happened to see its description in an old 1969
Allie
> Electrinics catalogue: "SWR less than 1:1.4 on all CB channels and
10-
> meter ham band."
>
> Mine is exactly like the one featured in
> http://www.rigpix.com/antennas/avanti_av101.htm I remembered that
its
> gain was reportedly 4.46 dBi and I wonder if this is in fact a good
> antenna to resurrect for my Kenwood TS-570DG.
>
> It was an odd looking thing, but worked well as I recall. I'd have
> thought that I'd need to trim it but I'd not be certain where to
start.
>
> 73
>
> Kevin
> VE9-XYZ
> myfamilydotcom@...
>

5051. Re: [ham-antennas] Avanti Astro Plane for 10m?

Yahoo group: ham-antennas (2008)
Date: 2008-06-02 21:51:07 UTC
From: Phil Bader
Topic: 5047 Message: 5051

I loved mine on "11". It's stout and was wide banded I recall. I would think trimmimg would be to crop a bit off the top vertical peice (after removing and reinstalling the "x" on top.
Phil B
Philip Bader
Polk County School Board
Intercom & Fire Alarm Electronics Systems Tech
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakelandarc.org/
pbader@...

----- Original Message -----
From: Walter A. Breining
To: ham-antennas@yahoogroups.com
Sent: Monday, June 02, 2008 4:55 AM
Subject: Re: [ham-antennas] Avanti Astro Plane for 10m?

With slight length changes, this will be an excellent antenna for 10 meter operation. The only thing that will be better would be a beam.

Vy 73, Walt, N9WB

----- Original Message -----
From: ve9xyz
To: ham-antennas@yahoogroups.com
Sent: Sunday, June 01, 2008 22:29
Subject: [ham-antennas] Avanti Astro Plane for 10m?

I found my like-new disassembled Avanti Astroplane in the basement recently and just happened to see its description in an old 1969 Allie Electrinics catalogue: "SWR less than 1:1.4 on all CB channels and 10-meter ham band."

Mine is exactly like the one featured in http://www.rigpix.com/antennas/avanti_av101.htm I remembered that its gain was reportedly 4.46 dBi and I wonder if this is in fact a good antenna to resurrect for my Kenwood TS-570DG.

It was an odd looking thing, but worked well as I recall. I'd have thought that I'd need to trim it but I'd not be certain where to start.

73

Kevin
VE9-XYZ

myfamilydotcom@...

No virus found in this incoming message.
Checked by AVG.
Version: 8.0.100 / Virus Database: 269.24.4/1477 - Release Date: 6/1/2008
17:28

No virus found in this incoming message.
Checked by AVG.
Version: 7.5.524 / Virus Database: 269.24.4/1478 - Release Date: 6/2/2008 7:12 AM

[Non-text portions of this message have been removed]

5052. RE: [ham-antennas] Homebrew 20 meter vertical

Yahoo group: ham-antennas (2008)
Date: 2008-06-02 22:38:36 UTC
From: James Fogg
Topic: 5049 Message: 5052

That's the thing with HF antennas, there's no perfect winner. Each design has something attractive about it (even a poor performing compromise antenna might be attractive because of space requirements). VHF and above tends to erase the differences. With significantly smaller construction allowing more complex designs, little effort to bounce skip (though some do) and mountain top repeaters it gets easier.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
On Behalf Of Sean Doran
Sent: Monday, June 02, 2008 8:29 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Homebrew 20 meter vertical

Had a blast making a vertical this weekend for 20 meters (8-12 radials for
now). It was quite educational comparing it to my Windom. The patterns seem different and one antenna performs better than the other at various times, so clearly the lobes are different. Only time will tell as to whether one is consistently better than the other.

W8OKN

--

---
www.athelasoutdoor.org
www.workerresources.org
www.redeemertraversecity.org

[Non-text portions of this message have been removed]

No virus found in this incoming message.
Checked by AVG.
Version: 8.0.100 / Virus Database: 269.24.4/1478 - Release Date: 6/2/2008 7:12 AM

[Non-text portions of this message have been removed]

5053. Matching 75ohm to 50ohm

Yahoo group: ham-antennas (2008)
Date: 2008-06-03 11:41:04 UTC
From: Rob Thomson
Topic: 5053 Message: 5053

Dear Group

I have searched the archives but found no suggestions on this one...
does anyone have any ideas for matching 75ohm coax to the 50ohm
connection on the transceiver?

As I work in the cable industry, I have a plentiful supply of low-loss
75ohm coax and am using it to feed various dipoles (inherently 75-ohm
impedence in any case). I don't seem to be able to find any
instructions for a suitable "un-un" (other than single frequency stubs).

Any suggestions welcome.

Regards
Rob, G4LMW

Any suggestions welcome.

5054. Re: [ham-antennas] Matching 75ohm to 50ohm

Yahoo group: ham-antennas (2008)
Date: 2008-06-03 13:46:15 UTC
From: Andy
Topic: 5053 Message: 5054

If your entire antenna system is 75 ohms (all cables, and whatever is on the end), you could just live with the mismatch. The SWR between 75 and 50 ohms is only 1.5:1, which isn't bad at all.

An "antenna tuner" at the rig could be used to null out the difference. Some automatic antenna tuners, however, stop adjusting once the SWR reaches 1.5:1.

There are wideband (resistive) matching devices that correctly match the two impedances, for people in instrumentation who need precision matching, but with several dB's of loss which is much worse than the loss due to a 1.5:1 SWR.

I guess you could wind an auto-transformer. There are some commercially made 50/75 ohm transformers out there (http://www.comm-connect.com/sp8004.htm being one for low power).

Andy

5055. Re: Avanti Astro Plane for 10m?

Yahoo group: ham-antennas (2008)
Date: 2008-06-03 16:45:44 UTC
From: ve9xyz
Topic: 5047 Message: 5055

Keith's message sounded experienced. Any idea about how broad this
thing is uncut, and then, if that isn't great for amateur bands,
does anybody know how much I shorten the vertical sides?

Thanks guys

Kevin
VE9-XYZ
myfamilydotcom@...

--- In ham-antennas@yahoogroups.com, "Keith" <keithmatthews@...>
wrote:
>
> You would want to trim the two vertical sides to make shorter.
> It depends on how old it is and how the tubing is swaged.
> If the two top halves aren't swaged at the bottom where they join
you
> can trim there.
> If they are swaged and made larger for the bottom sections to fit
> into then trim them at the top where they fit into the mounting
> bracket.
>
> Keith
>
>
> --- In ham-antennas@yahoogroups.com, "ve9xyz" <myfamilydotcom@>
> wrote:
> >
> > I found my like-new disassembled Avanti Astroplane in the
basement
> > recently and just happened to see its description in an old 1969
> Allie
> > Electrinics catalogue: "SWR less than 1:1.4 on all CB channels
and
> 10-
> > meter ham band."
> >
> > Mine is exactly like the one featured in
> > http://www.rigpix.com/antennas/avanti_av101.htm I remembered
that
> its
> > gain was reportedly 4.46 dBi and I wonder if this is in fact a
good
> > antenna to resurrect for my Kenwood TS-570DG.
> >
> > It was an odd looking thing, but worked well as I recall. I'd

have
> > thought that I'd need to trim it but I'd not be certain where to
> start.
> >
> > 73
> >
> > Kevin
> > VE9-XYZ
> > myfamilydotcom@
> >
>

5056. Beam

Yahoo group: ham-antennas (2008)
Date: 2008-06-03 18:58:01 UTC
From: k9ttt@comcast.net
Topic: 5056 Message: 5056

When constructing (my case reassboling), should the elements be mounted on top of the boom or the bottom? Or does it make a diff?
Dale K9TTT
Jackson, MI

[Non-text portions of this message have been removed]

5057. Re: [ham-antennas] Matching 75ohm to 50ohm

Yahoo group: ham-antennas (2008)
Date: 2008-06-03 19:47:49 UTC
From: Ted Horishny
Topic: 5053 Message: 5057

Rob,
Why bother. It's only a 1.5:1 mismatch
Ted WT2G

[Non-text portions of this message have been removed]

5058. Re: [ham-antennas] Avanti Astro Plane for 10m?

Yahoo group: ham-antennas (2008)
Date: 2008-06-03 23:28:17 UTC
From: Wayne
Topic: 5047 Message: 5058

It would be good on 10 meters, with a bit of trimming, or 12 meters using a tuner.
With a good tuner, you might not need to trim it. I forget the exact construction detail, but with a bit of effort could be figured out. Would be great if you could find the original intructions for it.
I'd check the SWR at the ends of the portion of ten meters that you are allowed to operate, and work from there.
It is most likely equivalent in gain to a vertical dipole.
They used a lot of hype when coming up with gain factors.
YMMV

Wayne WA2YNE

On Sun, 01 Jun 2008 21:29:46 -0500, ve9xyz <myfamilydotcom@...>
wrote:

> I found my like-new disassembled Avanti Astroplane in the basement
> recently and just happened to see its description in an old 1969 Allie
> Electrinics catalogue: "SWR less than 1:1.4 on all CB channels and 10-
> meter ham band."
>
> Mine is exactly like the one featured in
> http://www.rigpix.com/antennas/avanti_av101.htm I remembered that its
> gain was reportedly 4.46 dBi and I wonder if this is in fact a good
> antenna to resurrect for my Kenwood TS-570DG.
>
> It was an odd looking thing, but worked well as I recall. I'd have
> thought that I'd need to trim it but I'd not be certain where to start.
>
> 73
>
> Kevin
> VE9-XYZ
> myfamilydotcom@...
>
>
>

--
Using Opera's revolutionary e-mail client: http://www.opera.com/mail/

5059. RE: [ham-antennas] Beam

Yahoo group: ham-antennas (2008)
Date: 2008-06-04 00:07:52 UTC
From: Rich Schmuke
Topic: 5056 Message: 5059

Well do you want to use upper side band or lower???

Sorry I could not help myself , it does not make any
difference as far as I know.

Rich , Kd0zz

As an act of plagiarism . Disclaimer: Any errors in spelling or facts are
transmission errors.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On
Behalf Of k9ttt@...
Sent: Tuesday, June 03, 2008 1:58 PM
To: ham-antennas
Subject: [ham-antennas] Beam

When constructing (my case reassboling), should the elements be mounted on
top of the boom or the bottom? Or does it make a diff?
Dale K9TTT
Jackson, MI

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

5060. Re: [ham-antennas] Avanti Astro Plane for 10m?

Yahoo group: ham-antennas (2008)
Date: 2008-06-04 00:50:41 UTC
From: Phil Bader
Topic: 5047 Message: 5060

http://www.citizensband.radiouk.com/repair/astro/home.php
some info on it...
pb
Philip Bader
Polk County School Board
Intercom & Fire Alarm Electronics Systems Tech
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakelandarc.org/
pbader@...

----- Original Message -----
From: "Wayne" <wa2yne@...>
To: <ham-antennas@yahoogroups.com>
Sent: Tuesday, June 03, 2008 7:28 PM
Subject: Re: [ham-antennas] Avanti Astro Plane for 10m?

> It would be good on 10 meters, with a bit of trimming, or 12 meters using
> a tuner.
> With a good tuner, you might not need to trim it. I forget the exact
> construction detail, but with a bit of effort could be figured out. Would
> be great if you could find the original intructions for it.
> I'd check the SWR at the ends of the portion of ten meters that you are
> allowed to operate, and work from there.
> It is most likely equivalent in gain to a vertical dipole.
> They used a lot of hype when coming up with gain factors.
> YMMV
>
> Wayne WA2YNE
>
>
> On Sun, 01 Jun 2008 21:29:46 -0500, ve9xyz <myfamilydotcom@...>
> wrote:
>
>> I found my like-new disassembled Avanti Astroplane in the basement
>> recently and just happened to see its description in an old 1969 Allie
>> Electrinics catalogue: "SWR less than 1:1.4 on all CB channels and 10-
>> meter ham band."
>>
>> Mine is exactly like the one featured in
>> http://www.rigpix.com/antennas/avanti_av101.htm I remembered that its
>> gain was reportedly 4.46 dBi and I wonder if this is in fact a good
>> antenna to resurrect for my Kenwood TS-570DG.
>>

>> It was an odd looking thing, but worked well as I recall. I'd have
>> thought that I'd need to trim it but I'd not be certain where to start.
>>
>> 73
>>
>> Kevin
>> VE9-XYZ
>> myfamilydotcom@...
>>
>>
>>
>
>
>
> --
> Using Opera's revolutionary e-mail client: http://www.opera.com/mail/
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
> to ALL 974 members (as of 11/07/07, and attachments are NOT permitted.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
>
> --
> No virus found in this incoming message.
> Checked by AVG.
> Version: 7.5.524 / Virus Database: 269.24.6/1480 - Release Date: 6/3/2008
> 7:00 AM
>

5061. ARRL SOFTWARE PROGRAM TLW

Yahoo group: ham-antennas (2008)
Date: 2008-06-04 02:43:18 UTC
From: Commander John
Topic: 5061 Message: 5061

I had TLW but it crashed. Anyone have this ARRL program that could copy and send it to me. I need to reinstall it and the disc is gone.
John w9zy

W9ZY
.... Commander John ....

[Non-text portions of this message have been removed]

5062. Counterpoise for vertical

Yahoo group: ham-antennas (2008)
Date: 2008-06-04 19:08:27 UTC
From: ke4vyn
Topic: 5062 Message: 5062

Ok guys, a friend asked me about putting up a vertical, "why the need for tuned radials?"
His thoughts are just a long (i.e. 130 foot) counterpoise, insulated to replace 'tuned' radials.

The antenna is a DX-88 and will be mounted 4 feet high.

I know what I said, but what is the groups thoughts?

Thanks all,

73
Lee
KE4VYN

5063. Re: [ham-antennas] Name That Antenna

Yahoo group: ham-antennas (2008)
Date: 2008-06-04 19:14:48 UTC
From: Ken Burchfield
Topic: 4934 Message: 5063

Mike, I think the mystry is solved!!!!!
While looking thru one of my "prized" archived copies of "Ham Radio" from 1978
I saw an advertisement for a CrushCraft new vertical called ATV-5.
Then searched the Web and found other pictures and data...I will post in the photo section
for others to investigate.
73 Ken
Interesting Search!!!!!

PacketRadio is Still Alive.....Mississippi.....145.010.....Simplex.....1200 Baud

----- Original Message ----
From: Mike (WM4B) Besemer <mwbesemer@...>
To: ham-antennas@yahoogroups.com
Sent: Tuesday, May 20, 2008 7:08:32 PM
Subject: [ham-antennas] Name That Antenna

Greetings all,

I just posted 5 photos in the 'Name That Antenna' folder. This antenna
was discovered by a friend of mine and thus far, neither of us have
been able to ID it. I told him I'd post it here in hopes that someone
would recognize it.

Thanks for the assist.

73,

Mike
WM4B

__.-'

[Non-text portions of this message have been removed]

5064. Re: [ham-antennas] Counterpoise for vertical

Yahoo group: ham-antennas (2008)
Date: 2008-06-04 19:24:28 UTC
From: Sean Doran
Topic: 5062 Message: 5064

http://www.bencher.com/pdfs/00803ZZV.pdf

On Wed, Jun 4, 2008 at 3:22 PM, Sean Doran <seanpatrickdoran@...>
wrote:

> http://www.bencher.com/pdfs/00803ZZV.pdf
>
>
> On Wed, Jun 4, 2008 at 3:08 PM, ke4vyn <Pistolero_onion@...> wrote:
>
>> Ok guys, a friend asked me about putting up a vertical, "why the need
>> for tuned radials?"
>> His thoughts are just a long (i.e. 130 foot) counterpoise, insulated to
>> replace 'tuned' radials.
>>
>> The antenna is a DX-88 and will be mounted 4 feet high.
>>
>> I know what I said, but what is the groups thoughts?
>>
>> Thanks all,
>>
>> 73
>> Lee
>> KE4VYN
>>
>>
>>
>
>
>
> --
> Sean
> ----------
> www.athelasoutdoor.org
> www.workerresources.org
> www.redeemertraversecity.org

--
Sean
---
www.athelasoutdoor.org
www.workerresources.org
www.redeemertraversecity.org

[Non-text portions of this message have been removed]

5065. Re: [ham-antennas] Name That Antenna

Yahoo group: ham-antennas (2008)
Date: 2008-06-04 19:36:55 UTC
From: Ken Burchfield
Topic: 4934 Message: 5065

Here is the Rig Pixs Link
http://www.rigpix.com/antennas/cushcraft_atv5.htm

73 Ken
PacketRadio is Still Alive.....Mississippi.....145.010.....Simplex.....1200 Baud

----- Original Message ----
From: Ken Burchfield <k5jxl@...>
To: ham-antennas@yahoogroups.com
Sent: Wednesday, June 4, 2008 1:14:48 PM
Subject: Re: [ham-antennas] Name That Antenna

Mike, I think the mystry is solved!!!!!
While looking thru one of my "prized" archived copies of "Ham Radio" from 1978
I saw an advertisement for a CrushCraft new vertical called ATV-5.
Then searched the Web and found other pictures and data...I will post in the photo section
for others to investigate.
73 Ken
Interesting Search!!!!!

PacketRadio is Still Alive..... Mississippi. .....145. 010..... .Simplex. 1200
Baud

----- Original Message ----
From: Mike (WM4B) Besemer <mwbesemer@cox. net>
To: ham-antennas@ yahoogroups. com
Sent: Tuesday, May 20, 2008 7:08:32 PM
Subject: [ham-antennas] Name That Antenna

Greetings all,

I just posted 5 photos in the 'Name That Antenna' folder. This antenna
was discovered by a friend of mine and thus far, neither of us have
been able to ID it. I told him I'd post it here in hopes that someone
would recognize it.

Thanks for the assist.

73,

Mike
WM4B

__.-,

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

5066. 20 meter Vertical

Yahoo group: ham-antennas (2008)
Date: 2008-06-04 19:51:37 UTC
From: brad gass
Topic: 5066 Message: 5066

Because of room constraints and the way a dipole will radiate on my property, I want to use a Vertical mono band 20 meter vertical antenna. Anyone familiar with a commercialy built 20 meter vertical antenna on the market? (must be able to be used on PSK SSB)

N3JPL

5067. Re: [ham-antennas] Re: Avanti Astro Plane for 10m?

Yahoo group: ham-antennas (2008)
Date: 2008-06-04 19:53:03 UTC
From: Wayne
Topic: 5047 Message: 5067

As I said, I would check the SWR first, on a couple fo frequencies, to get an idea. If it is, say 1.9:1 at 28.5 and 1.75:1 at 28.300, this tells you it need to be shorter.
I'd tend to try about 1/2" off the bottom two parts, and maybe 1/2" off the top section.
For the record, that "X" at the top is a capacity hat, which does two things. It electrically lengthens the top, and also makes it broader banded.
I know the basic construction on the antenna, just not the details on how it is assembled and fed.
You want to aim for the lowest SWR at the middle of the portion of ten meters than you want to operate. But each time you trim, recheck the SWR at both ends and in the middle.
As I say, try maybe 1/2" thje first time, and second time maybe 1/4", depending on how it turns out. Easier to remove a bit more than to add.
I have an old 11 meter antenna, either 1/2 wave or 5/8, possibly 3/4 wave, that will be easy once I redo it, and it will be a matter of simply sliding the sections togeter to make them shorter.
I have no real idea as to how borad banded the Astro plane really is.
Could tell with my analyzer though...
YMMV

Wayne WA2YNE
Imperial, Tejas

On Tue, 03 Jun 2008 11:45:44 -0500, ve9xyz <myfamilydotcom@...>
wrote:

> Keith's message sounded experienced. Any idea about how broad this
> thing is uncut, and then, if that isn't great for amateur bands,
> does anybody know how much I shorten the vertical sides?
>
> Thanks guys
>
> Kevin
> VE9-XYZ
> myfamilydotcom@...
>
> --- In ham-antennas@yahoogroups.com, "Keith" <keithmatthews@...>
> wrote:
>>
>> You would want to trim the two vertical sides to make shorter.
>> It depends on how old it is and how the tubing is swaged.
>> If the two top halves aren't swaged at the bottom where they join
> you
>> can trim there.

>> If they are swaged and made larger for the bottom sections to fit
>> into then trim them at the top where they fit into the mounting
>> bracket.
>>
>> Keith
>>
>>
>> --- In ham-antennas@yahoogroups.com, "ve9xyz" <myfamilydotcom@>
>> wrote:
>> >
>> > I found my like-new disassembled Avanti Astroplane in the
> basement
>> > recently and just happened to see its description in an old 1969
>> Allie
>> > Electrinics catalogue: "SWR less than 1:1.4 on all CB channels
> and
>> 10-
>> > meter ham band."
>> >
>> > Mine is exactly like the one featured in
>> > http://www.rigpix.com/antennas/avanti_av101.htm I remembered
> that
>> its
>> > gain was reportedly 4.46 dBi and I wonder if this is in fact a
> good
>> > antenna to resurrect for my Kenwood TS-570DG.
>> >
>> > It was an odd looking thing, but worked well as I recall. I'd
> have
>> > thought that I'd need to trim it but I'd not be certain where to
>> start.
>> >
>> > 73
>> >
>> > Kevin
>> > VE9-XYZ
>> > myfamilydotcom@
>> >
>>
>
>

--
Using Opera's revolutionary e-mail client: http://www.opera.com/mail/

5068. Re: [ham-antennas] 20 meter Vertical

Yahoo group: ham-antennas (2008)
Date: 2008-06-04 20:04:30 UTC
From: Sean Doran
Topic: 5066 Message: 5068

I just built one and it works VERY well. I purchased two 1 1/2" x 10 foot PVC pipes and pieced them together (PVC cement). I then ran 17 feet of wire through some stand-offs up along the side, painted it all brown, and dropped about 8 radials. Because of the color, my wife has yet to notice it. :)

I've been using it on 20m for roughly a week and love it. It has been performing better than my Windom. AND, it performs better with less noise. I am a believer in verticals. I am hearing Hawaii and Germany on 20 in the evenings and that has been during the low sun spot activity from northern Michigan.

W8OKN

On Wed, Jun 4, 2008 at 3:51 PM, brad gass <n3jpl@...> wrote:

>
> Because of room constraints and the way a dipole will radiate on
> my property, I want to use a Vertical mono band 20 meter vertical
> antenna. Anyone familiar with a commercialy built 20 meter vertical
> antenna on the market? (must be able to be used on PSK SSB)
>
> N3JPL
>
>
>

--
Sean
---
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www.workerresources.org
www.redeemertraversecity.org

[Non-text portions of this message have been removed]

5069. Re: [ham-antennas] 20 meter Vertical

Yahoo group: ham-antennas (2008)
Date: 2008-06-04 20:40:13 UTC
From: jerry
Topic: 5066 Message: 5069

would like to see a picture of the 20 mtr vertical not sure how the standoffs look
jerry

----- Original Message ----
From: Sean Doran <w8okn@charter.net>
To: ham-antennas@yahoogroups.com
Sent: Wednesday, June 4, 2008 1:04:30 PM
Subject: Re: [ham-antennas] 20 meter Vertical

I just built one and it works VERY well. I purchased two 1 1/2" x 10 foot
PVC pipes and pieced them together (PVC cement). I then ran 17 feet of wire
through some stand-offs up along the side, painted it all brown, and dropped
about 8 radials. Because of the color, my wife has yet to notice it. :)

I've been using it on 20m for roughly a week and love it. It has been
performing better than my Windom. AND, it performs better with less noise.
I am a believer in verticals. I am hearing Hawaii and Germany on 20 in the
evenings and that has been during the low sun spot activity from northern
Michigan.

W8OKN

On Wed, Jun 4, 2008 at 3:51 PM, brad gass <n3jpl@verizon. net> wrote:

>
> Because of room constraints and the way a dipole will radiate on
> my property, I want to use a Vertical mono band 20 meter vertical
> antenna. Anyone familiar with a commercialy built 20 meter vertical
> antenna on the market? (must be able to be used on PSK SSB)
>
> N3JPL
>
>
>

--
Sean
---------- --------- --------- ----
www.athelasoutdoor. org
www.workerresources .org
www.redeemertravers ecity.org

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

5070. Re: [ham-antennas] 20 meter Vertical

Yahoo group: ham-antennas (2008)
Date: 2008-06-04 20:47:45 UTC
From: Sean Doran
Topic: 5066 Message: 5070

Sure.

I may be able to take a photo tonight. Zap me your personal e-mail address.

w8okn@...

Sean
W8OKN

On Wed, Jun 4, 2008 at 4:40 PM, jerry <wi7f@...> wrote:

> would like to see a picture of the 20 mtr vertical not sure how the
> standoffs look
> jerry
>
>
> ----- Original Message ----
> From: Sean Doran <w8okn@... <w8okn%40charter.net>>
> To: ham-antennas@yahoogroups.com <ham-antennas%40yahoogroups.com>
> Sent: Wednesday, June 4, 2008 1:04:30 PM
> Subject: Re: [ham-antennas] 20 meter Vertical
>
> I just built one and it works VERY well. I purchased two 1 1/2" x 10 foot
> PVC pipes and pieced them together (PVC cement). I then ran 17 feet of wire
> through some stand-offs up along the side, painted it all brown, and
> dropped
> about 8 radials. Because of the color, my wife has yet to notice it. :)
>
> I've been using it on 20m for roughly a week and love it. It has been
> performing better than my Windom. AND, it performs better with less noise.
> I am a believer in verticals. I am hearing Hawaii and Germany on 20 in the
> evenings and that has been during the low sun spot activity from northern
> Michigan.
>
> W8OKN
>
> On Wed, Jun 4, 2008 at 3:51 PM, brad gass <n3jpl@verizon. net> wrote:
>
> >
> > Because of room constraints and the way a dipole will radiate on
> > my property, I want to use a Vertical mono band 20 meter vertical
> > antenna. Anyone familiar with a commercialy built 20 meter vertical
> > antenna on the market? (must be able to be used on PSK SSB)
> >
> > N3JPL
> >

> >
> >
>
> --
> Sean
> ---------- --------- --------- ----
> www.athelasoutdoor. org
> www.workerresources .org
> www.redeemertravers ecity.org
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> [Non-text portions of this message have been removed]
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> [Non-text portions of this message have been removed]
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Sean
---
www.athelasoutdoor.org
www.workerresources.org
www.redeemertraversecity.org

[Non-text portions of this message have been removed]

5071. Re: Counterpoise for vertical

Yahoo group: ham-antennas (2008)
Date: 2008-06-05 01:03:22 UTC
From: ke4vyn
Topic: 5062 Message: 5071

Thank you Sean, but like most advanced HAM's we have all read the literary. As this amounted to what I told my friend.

BUT, as we all know what in theory does not necessary make up the same events in practice.

So, I guess I should have asked if anyone has tried this.

Thanks for the link as I am sure someone has never seen it.

Lee
KE4VYN

--- In ham-antennas@yahoogroups.com, "Sean Doran" <w8okn@...> wrote:
>
> http://www.bencher.com/pdfs/00803ZZV.pdf
>
> On Wed, Jun 4, 2008 at 3:22 PM, Sean Doran <seanpatrickdoran@...>
> wrote:
>
> > http://www.bencher.com/pdfs/00803ZZV.pdf
> >
> >
> > On Wed, Jun 4, 2008 at 3:08 PM, ke4vyn <Pistolero_onion@...>
wrote:
> >
> >> Ok guys, a friend asked me about putting up a vertical, "why
the need
> >> for tuned radials?"
> >> His thoughts are just a long (i.e. 130 foot) counterpoise,
insulated to
> >> replace 'tuned' radials.
> >>
> >> The antenna is a DX-88 and will be mounted 4 feet high.
> >>
> >> I know what I said, but what is the groups thoughts?
> >>
> >> Thanks all,
> >>
> >> 73
> >> Lee
> >> KE4VYN
> >>
> >>
> >>
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> >
> >
> > --
> > Sean
> > ----------
> > www.athelasoutdoor.org
> > www.workerresources.org
> > www.redeemertraversecity.org
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> Sean
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> www.athelasoutdoor.org
> www.workerresources.org
> www.redeemertraversecity.org
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> [Non-text portions of this message have been removed]
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5072. Re: [ham-antennas] Re: Counterpoise for vertical

Yahoo group: ham-antennas (2008)
Date: 2008-06-05 01:50:03 UTC
From: w8okn@charter.net
Topic: 5062 Message: 5072

My experience is that the more radials the better and if they are elevated, tune them and then 2-4 of them is sufficient.

W8OKN

----- Original Message -----
From: ke4vyn
To: ham-antennas@yahoogroups.com
Sent: Wednesday, June 04, 2008 9:03 PM
Subject: [ham-antennas] Re: Counterpoise for vertical

Thank you Sean, but like most advanced HAM's we have all read the literary. As this amounted to what I told my friend.

BUT, as we all know what in theory does not necessary make up the same events in practice.

So, I guess I should have asked if anyone has tried this.

Thanks for the link as I am sure someone has never seen it.

Lee
KE4VYN

--- In ham-antennas@yahoogroups.com, "Sean Doran" <w8okn@...> wrote:
>
> http://www.bencher.com/pdfs/00803ZZV.pdf
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> On Wed, Jun 4, 2008 at 3:22 PM, Sean Doran <seanpatrickdoran@...>
> wrote:
>
> > http://www.bencher.com/pdfs/00803ZZV.pdf
> >
> >
> > On Wed, Jun 4, 2008 at 3:08 PM, ke4vyn <Pistolero_onion@...>
wrote:
> >
> >> Ok guys, a friend asked me about putting up a vertical, "why
the need
> >> for tuned radials?"
> >> His thoughts are just a long (i.e. 130 foot) counterpoise,
insulated to
> >> replace 'tuned' radials.
> >>
> >> The antenna is a DX-88 and will be mounted 4 feet high.
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> >> I know what I said, but what is the groups thoughts?

> >>
> >> Thanks all,
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> >> 73
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> > --
> > Sean
> > ----------
> > www.athelasoutdoor.org
> > www.workerresources.org
> > www.redeemertraversecity.org
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> --
> Sean
> ----------
> www.athelasoutdoor.org
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> www.redeemertraversecity.org
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> [Non-text portions of this message have been removed]
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No virus found in this incoming message.
Checked by AVG.
Version: 7.5.524 / Virus Database: 269.24.5/1479 - Release Date: 6/2/2008 7:02 PM

[Non-text portions of this message have been removed]

5073. RE: [ham-antennas] 20 meter Vertical

Yahoo group: ham-antennas (2008)
Date: 2008-06-05 01:54:26 UTC
From: Rich Schmuke
Topic: 5066 Message: 5073

My 20m vertical

I went to the Bass Pro shop and bought a 20ft fiberglass telescoping crappie rod. Remover the top real small section. Installed a small wooden dowel in the top hole to stiffen things. I then put two pieces of 1☐ EMT together for the bottom, a 1☐ wood dowel in the top of the EMT and put the fishing pole on the top of the dowel. I used some epoxy to glue it together, left spacing in the dowel for my coax. Ran 14 ga wire 16 ½ ft up the fiberglass rod , put epoxy on the joints . Used 4 wires for the lower. This set up get the center feed above 16 ft so the lower wires cab be spread for a better 50 ohm match.

Rich , Kd0zz

As an act of plagiarism . Disclaimer: Any errors in spelling or facts are transmission errors.

[Non-text portions of this message have been removed]

5074. Re: [SPAM]Re: [ham-antennas] Re: Counterpoise for vertical

Yahoo group: ham-antennas (2008)
Date: 2008-06-05 02:41:41 UTC
From: Bill Coulson
Topic: 5062 Message: 5074

Has anyone ever tried the performance of an sheet off steel say 8'X8' or used an automobile with a vertical attached?

Bill Coulson

----- Original Message -----
From: w8okn@...
To: ham-antennas@yahoogroups.com
Sent: Wednesday, June 04, 2008 6:50 PM
Subject: [SPAM]Re: [ham-antennas] Re: Counterpoise for vertical

My experience is that the more radials the better and if they are elevated, tune them and then 2-4 of them is sufficient.

W8OKN

----- Original Message -----
From: ke4vyn
To: ham-antennas@yahoogroups.com
Sent: Wednesday, June 04, 2008 9:03 PM
Subject: [ham-antennas] Re: Counterpoise for vertical

Thank you Sean, but like most advanced HAM's we have all read the literary. As this amounted to what I told my friend.

BUT, as we all know what in theory does not necessary make up the same events in practice.

So, I guess I should have asked if anyone has tried this.

Thanks for the link as I am sure someone has never seen it.

Lee
KE4VYN

--- In ham-antennas@yahoogroups.com, "Sean Doran" <w8okn@...> wrote:
>
> http://www.bencher.com/pdfs/00803ZZV.pdf
>
> On Wed, Jun 4, 2008 at 3:22 PM, Sean Doran <seanpatrickdoran@...>
> wrote:
>
> > http://www.bencher.com/pdfs/00803ZZV.pdf
> >
> >
> > On Wed, Jun 4, 2008 at 3:08 PM, ke4vyn <Pistolero_onion@...>
wrote:
> >

> >> Ok guys, a friend asked me about putting up a vertical, "why
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> >> His thoughts are just a long (i.e. 130 foot) counterpoise,
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> >> The antenna is a DX-88 and will be mounted 4 feet high.
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> >>
> >> Thanks all,
> >>
> >> 73
> >> Lee
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> > --
> > Sean
> > ----------
> > www.athelasoutdoor.org
> > www.workerresources.org
> > www.redeemertraversecity.org
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> --
> Sean
> ----------
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> www.redeemertraversecity.org
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>
> [Non-text portions of this message have been removed]
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[Non-text portions of this message have been removed]

5075. Re: [SPAM]Re: [ham-antennas] Re: Counterpoise for vertical

Yahoo group: ham-antennas (2008)
Date: 2008-06-05 03:06:44 UTC
From: jerry
Topic: 5062 Message: 5075

i use a 27 ft vertical alum tube on my pickup for field day attached to the trailer hitch with the pu being the ground and an ah-4 for the tuner, it works well for all bands that i have tried it on 20, 40, 80 meters.. I do not use it mobile but have used it also for portable operation..
jerry wi7f

----- Original Message ----
From: Bill Coulson <wcoulson@gotsky.com>
To: ham-antennas@yahoogroups.com
Sent: Wednesday, June 4, 2008 7:41:41 PM
Subject: Re: [SPAM]Re: [ham-antennas] Re: Counterpoise for vertical

Has anyone ever tried the performance of an sheet off steel say 8'X8' or used an automobile with a vertical attached?

Bill Coulson

----- Original Message -----
From: w8okn@charter. net
To: ham-antennas@ yahoogroups. com
Sent: Wednesday, June 04, 2008 6:50 PM
Subject: [SPAM]Re: [ham-antennas] Re: Counterpoise for vertical

My experience is that the more radials the better and if they are elevated, tune them and then 2-4 of them is sufficient.

W8OKN

----- Original Message -----
From: ke4vyn
To: ham-antennas@ yahoogroups. com
Sent: Wednesday, June 04, 2008 9:03 PM
Subject: [ham-antennas] Re: Counterpoise for vertical

Thank you Sean, but like most advanced HAM's we have all read the
literary. As this amounted to what I told my friend.

BUT, as we all know what in theory does not necessary make up the
same events in practice.

So, I guess I should have asked if anyone has tried this.

Thanks for the link as I am sure someone has never seen it.

Lee
KE4VYN

--- In ham-antennas@ yahoogroups. com, "Sean Doran" <w8okn@...> wrote:
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> http://www.bencher. com/pdfs/ 00803ZZV. pdf
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> On Wed, Jun 4, 2008 at 3:22 PM, Sean Doran <seanpatrickdoran@ ...>
> wrote:
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> > http://www.bencher. com/pdfs/ 00803ZZV. pdf
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> > On Wed, Jun 4, 2008 at 3:08 PM, ke4vyn <Pistolero_onion@ ...>
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> >
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> >> His thoughts are just a long (i.e. 130 foot) counterpoise,
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> >> replace 'tuned' radials.
> >>
> >> The antenna is a DX-88 and will be mounted 4 feet high.
> >>
> >> I know what I said, but what is the groups thoughts?
> >>
> >> Thanks all,
> >>
> >> 73
> >> Lee
> >> KE4VYN
> >>
> >>
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> >
> > --
> > Sean
> > ------------ --------- --------- ----
> > www.athelasoutdoor. org
> > www.workerresources .org
> > www.redeemertravers ecity.org
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> --
> Sean
> ------------ --------- --------- ----
> www.athelasoutdoor. org
> www.workerresources .org
> www.redeemertravers ecity.org

>
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> [Non-text portions of this message have been removed]
>

No virus found in this incoming message.
Checked by AVG.
Version: 7.5.524 / Virus Database: 269.24.5/1479 - Release Date: 6/2/2008 7:02 PM

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

5076. Re: Counterpoise for vertical

Yahoo group: ham-antennas (2008)
Date: 2008-06-05 03:09:30 UTC
From: David Lewis
Topic: 5062 Message: 5076

Hi Lee,
If you're friend mounts the vertical 4 feet above ground,He may
run into problems,with the antenna trying to couple with the
ground,and tuning properly.Most antenna makers call for no more than
about 10 inches,for ground mounted antennas.
73,David

>
> Ok guys, a friend asked me about putting up a vertical, "why the need
> for tuned radials?"
> His thoughts are just a long (i.e. 130 foot) counterpoise, insulated to
> replace 'tuned' radials.
>
> The antenna is a DX-88 and will be mounted 4 feet high.
>
> I know what I said, but what is the groups thoughts?
>
> Thanks all,
>
> 73
> Lee
> KE4VYN
>

5077. Re: 20 meter Vertical

Yahoo group: ham-antennas (2008)
Date: 2008-06-05 07:44:59 UTC
From: kiwi_saila
Topic: 5066 Message: 5077

Hi,
I would like to see the details of this 20m vertical also please,
maybe you could load the photo's in the group photo folder as others
may be interested also, if not please cc me a copy.
Thanks
Nigel ZL2SEA

--- In ham-antennas@yahoogroups.com, "Sean Doran" <w8okn@...> wrote:
>
> Sure.
>
> I may be able to take a photo tonight. Zap me your personal e-mail
address.
>
> w8okn@...
>
> Sean
> W8OKN
>
> On Wed, Jun 4, 2008 at 4:40 PM, jerry <wi7f@...> wrote:
>
> > would like to see a picture of the 20 mtr vertical not sure how
the
> > standoffs look
> > jerry
> >
> >
> > ----- Original Message ----
> > From: Sean Doran <w8okn@... <w8okn%40charter.net>>
> > To: ham-antennas@yahoogroups.com <ham-antennas%40yahoogroups.com>
> > Sent: Wednesday, June 4, 2008 1:04:30 PM
> > Subject: Re: [ham-antennas] 20 meter Vertical
> >
> > I just built one and it works VERY well. I purchased two 1 1/2" x
10 foot
> > PVC pipes and pieced them together (PVC cement). I then ran 17
feet of wire
> > through some stand-offs up along the side, painted it all brown,
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it. :)
> >
> > I've been using it on 20m for roughly a week and love it. It has
been

> > performing better than my Windom. AND, it performs better with
less noise.
> > I am a believer in verticals. I am hearing Hawaii and Germany on
20 in the
> > evenings and that has been during the low sun spot activity from
northern
> > Michigan.
> >
> > W8OKN
> >
> > On Wed, Jun 4, 2008 at 3:51 PM, brad gass <n3jpl@verizon. net>
wrote:
> >
> > >
> > > Because of room constraints and the way a dipole will radiate on
> > > my property, I want to use a Vertical mono band 20 meter
vertical
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> > > antenna on the market? (must be able to be used on PSK SSB)
> > >
> > > N3JPL
> > >
> > >
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> > --
> > Sean
> > ------------ --------- --------- ----
> > www.athelasoutdoor. org
> > www.workerresources .org
> > www.redeemertravers ecity.org
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> --
> Sean
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> www.athelasoutdoor.org
> www.workerresources.org
> www.redeemertraversecity.org
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> [Non-text portions of this message have been removed]
>

5078. Re: [ham-antennas] Re: 20 meter Vertical

Yahoo group: ham-antennas (2008)
Date: 2008-06-05 12:03:02 UTC
From: Sean Doran
Topic: 5066 Message: 5078

Gents,

I'll be sure to send out some photos of my vertical in about 4-5 days.

Maybe I can post them?

Stay tuned... no pun intended.

W8OKN

On Thu, Jun 5, 2008 at 3:44 AM, kiwi_saila <kiwi_saila@...> wrote:

> Hi,
> I would like to see the details of this 20m vertical also please,
> maybe you could load the photo's in the group photo folder as others
> may be interested also, if not please cc me a copy.
> Thanks
> Nigel ZL2SEA
>
>
> --- In ham-antennas@yahoogroups.com <ham-antennas%40yahoogroups.com>,
> "Sean Doran" <w8okn@...> wrote:
> >
> > Sure.
> >
> > I may be able to take a photo tonight. Zap me your personal e-mail
> address.
> >
> > w8okn@...
> >
> > Sean
> > W8OKN
> >
> > On Wed, Jun 4, 2008 at 4:40 PM, jerry <wi7f@...> wrote:
> >
> > > would like to see a picture of the 20 mtr vertical not sure how
> the
> > > standoffs look
> > > jerry
> > >
> > >
> > > ----- Original Message ----
> > > From: Sean Doran <w8okn@... <w8okn%40charter.net>>
> > > To: ham-antennas@yahoogroups.com <ham-antennas%40yahoogroups.com><ham-antennas%
> 40yahoogroups.com>
> > > Sent: Wednesday, June 4, 2008 1:04:30 PM

> > > Subject: Re: [ham-antennas] 20 meter Vertical
> > >
> > > I just built one and it works VERY well. I purchased two 1 1/2" x
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> > >
> > > >
> > > > Because of room constraints and the way a dipole will radiate on
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> > > --
> > > Sean
> > > ------------ --------- --------- ----
> > > www.athelasoutdoor. org
> > > www.workerresources .org
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> > [Non-text portions of this message have been removed]
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>

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Sean
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www.athelasoutdoor.org
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www.redeemertraversecity.org

[Non-text portions of this message have been removed]

5079. Name That Antenna

Yahoo group: ham-antennas (2008)
Date: 2008-06-05 20:40:56 UTC
From: Ken Burchfield
Topic: 4934 Message: 5079

SOLVED!!

PacketRadio is Still Alive.....Mississippi.....145.010.....Simplex.....1200 Baud

----- Forwarded Message ----
From: Ken Burchfield <k5jxl@...>
To: John David <John.David@...>
Sent: Thursday, June 5, 2008 2:31:46 PM
Subject: Re: Quest for information

John,
Many Thanks for the confirmation of the ATV-5
I will pass this information on to the party that was searching for the ID.
Myself ,I at this time have no need of the Manual, but glad to find out that it is available.
My Thanks again,your response is appreciated!
73 Ken

PacketRadio is Still Alive.....Mississippi.....145.010.....Simplex.....1200 Baud

----- Original Message ----
From: John David <John.David@...>
To: Ken Burchfield <k5jxl@...>
Sent: Thursday, June 5, 2008 1:57:09 PM
Subject: RE: Quest for information

It is indeed an ATV5
I found the Instruction Manual for it, actually covers the ATV3, 4 and 5.
Send me $5 cash if you want me to make you a copy.
Don?t ask me for parts on this antenna. There are none available, unless you can find common hardware with other antennas ? which is quite likely... but the traps and coils, etc. you are on your own.
/John

John G. David
Amateur Accounts Manager
Cushcraft, a Unit of
Laird Technologies,
48 Perimeter Rd.
Manchester, NH 03103
603-627-7877 (Phone)
603-627-1764 (FAX)
<John.David@...>
Eastern US Time Zone.
-----Original Message-----
From: Ken Burchfield [mailto:k5jxl@...]
Sent: Wednesday, June 04, 2008 4:02 PM

To: John David
Subject: Quest for information

A group of us have been searching for the answer of the I D of this antenna.
I think it is a Cushcraft ATV-5 from the years of l978 or later.
Would you have any archives that would have more information about this antenna,
If you can shed any light , I would appreciate it
73 Ken k5jxl@yahoo.com
Here is link to picture
http://www.rigpix.com/antennas/cushcraft_atv5.htm

[Non-text portions of this message have been removed]

5080. Cushcraft MA5B mod

Yahoo group: ham-antennas (2008)
Date: 2008-06-05 22:26:52 UTC
From: ldelmarter
Topic: 5080 Message: 5080

Has anyone tried adding more elements to the Cushcraft MA5B beam? I'm wondering if a director for 20-15-10 could be added by extending the boom a few feet. Maybe the boom and reflector (adjusted to director length) from another MA5B could be used. Of course, it wouldn't pay to buy another new beam just to rob parts from but may a used or junk beam could be used to make a full 3-element 20-15-10 antenna. Possibly a director for 17-12 could also be added to the new boom section. Does anyone have any thoughts on this?

Les, WB6YIK

5081. Anyone added 80M to the HyGain AV-640?

Yahoo group: ham-antennas (2008)
Date: 2008-06-05 22:34:40 UTC
From: Laurie, VK3AMA
Topic: 5080 Message: 5081

Has anyone added 80M to the HyGain AV-640 vertical, or have a link to a web resource?

Tnx
Laurie, VK3AMA

5082. Re: [ham-antennas] Anyone added 80M to the HyGain AV-640?

Yahoo group: ham-antennas (2008)
Date: 2008-06-05 23:24:51 UTC
From: Dan Schaaf
Topic: 5080 Message: 5082

If you find out let me know also. I also wish it would do 60 meters as well. Otherwise a terrific antenna.

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com "In the Beginning, there was Spark Gap"

----- Original Message -----
From: Laurie, VK3AMA
To: ham-antennas@yahoogroups.com
Sent: Thursday, June 05, 2008 6:34 PM
Subject: [ham-antennas] Anyone added 80M to the HyGain AV-640?

Has anyone added 80M to the HyGain AV-640 vertical, or have a link to a web resource?

Tnx
Laurie, VK3AMA

[Non-text portions of this message have been removed]

5083. 5btv

Yahoo group: ham-antennas (2008)
Date: 2008-06-06 00:51:16 UTC
From: wb4mnk
Topic: 5083 Message: 5083

I have a 5BTV vertical which has a 80 or 75 meter resonator but I have know idea which one it is because the Hustler resonators are marked 75 or 80 meters and the coil is covered in white heat shrink.

The resonator I have is covered in black heat shrink and the only thing that is on the heat shrink is a white dot at one end. I am not sure if the white dot means nothing, is the bottom or maybe the top.

I guess it could be an after market resonator.

Wonder if anyone might know what this resonator is or have any information that could help me find out what it is?

73,
Art
WB4MNK

5084. Inverted-V question

Yahoo group: ham-antennas (2008)
Date: 2008-06-06 09:41:29 UTC
From: lecontejoe
Topic: 5084 Message: 5084

I recall reading something about the inverted-V being directional ????

Am building a new house and after examining every possibility, it looks as though an inverted-V is the best I can do. I'll probably take my current trap dipole -- cut for 40 with traps for 20 and 15 -- and install it as a V.

Is the inv-V directional, or, is it directional only with a narrow V angle?

Thanks.

5085. RE: [ham-antennas] Inverted-V question

Yahoo group: ham-antennas (2008)
Date: 2008-06-06 11:48:42 UTC
From: James Fogg
Topic: 5084 Message: 5085

My understanding is that an inverted V is considered to be omni-directional, or nearly so. I recently converted my 80m dipole to an inverted V and found it behaves like an omni-directional antenna, but I haven't operated enough to be sure how much so.

I also found that as an inverted V there seemed to be a bit more noise, such as a vertical would have. I've found lots of references to this on the intarwebtubes.

My goal in the conversion wasn't space (I have lots of that), it was to gain the omni-directional behavior.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of lecontejoe
Sent: Friday, June 06, 2008 5:41 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Inverted-V question

I recall reading something about the inverted-V being directional ????

Am building a new house and after examining every possibility, it looks as though an inverted-V is the best I can do. I'll probably take my current trap dipole -- cut for 40 with traps for 20 and 15 -- and install it as a V.

Is the inv-V directional, or, is it directional only with a narrow V angle?

Thanks.

No virus found in this incoming message.
Checked by AVG.
Version: 8.0.100 / Virus Database: 270.0.0/1486 - Release Date: 6/5/2008 6:29 PM

[Non-text portions of this message have been removed]

5086. Re: [ham-antennas] Inverted-V question

Yahoo group: ham-antennas (2008)
Date: 2008-06-06 12:55:06 UTC
From: Ruben Echevarria
Topic: 5084 Message: 5086

I run an Alpha Delta DX-CC mounted in inverted vee fashion and it actually
does work omnidirectionally. I get all points with good signal reports, and the receive is
great.
 Ruben Echevarria KA2HHB
SKCC #2132 EPC#3390
10-10 International Club #33308

----- Original Message ----
From: James Fogg <james@...>
To: ham-antennas@yahoogroups.com
Sent: Friday, June 6, 2008 7:48:42 AM
Subject: RE: [ham-antennas] Inverted-V question

My understanding is that an inverted V is considered to be
omni-directional, or nearly so. I recently converted my 80m dipole to an
inverted V and found it behaves like an omni-directional antenna, but I
haven't operated enough to be sure how much so.

I also found that as an inverted V there seemed to be a bit more noise,
such as a vertical would have. I've found lots of references to this on
the intarwebtubes.

My goal in the conversion wasn't space (I have lots of that), it was to
gain the omni-directional behavior.

---------- --------- --------- --

From: ham-antennas@ yahoogroups. com [mailto:ham-antennas@ yahoogroups. com]
On Behalf Of lecontejoe
Sent: Friday, June 06, 2008 5:41 AM
To: ham-antennas@ yahoogroups. com
Subject: [ham-antennas] Inverted-V question

I recall reading something about the inverted-V being directional ????

Am building a new house and after examining every possibility, it looks
as though an inverted-V is the best I can do. I'll probably take my
current trap dipole -- cut for 40 with traps for 20 and 15 -- and
install it as a V.

Is the inv-V directional, or, is it directional only with a narrow V
angle?

Thanks.

No virus found in this incoming message.
Checked by AVG.
Version: 8.0.100 / Virus Database: 270.0.0/1486 - Release Date: 6/5/2008

6:29 PM

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

5087. Re: Inverted-V question

Yahoo group: ham-antennas (2008)
Date: 2008-06-06 20:30:52 UTC
From: Brian Hall
Topic: 5084 Message: 5087

A half-wave dipole is broadside directional (figure 8 radiation pattern) when installed as a flat-top. As the ends are drooped, directivity is decreased approximating an omnidirectional pattern when the ends are drooped 30degrees or more. The standard inverted-vee configuration provides a nearly omnidirectional radiation pattern.

Brian AC7NA

--- In ham-antennas@yahoogroups.com, "lecontejoe" <joe@...> wrote:
>
> I recall reading something about the inverted-V being directional ????
>
> Am building a new house and after examining every possibility, it
looks
> as though an inverted-V is the best I can do. I'll probably take my
> current trap dipole -- cut for 40 with traps for 20 and 15 -- and
> install it as a V.
>
> Is the inv-V directional, or, is it directional only with a narrow V
> angle?
>
> Thanks.
>

5088. CRAIGSLIST-search all craigslists in the world at ONE time! Here's how, please pass it on!

Yahoo group: ham-antennas (2008)
Date: 2008-06-07 00:20:39 UTC
From: Vlincoln
Topic: 5088 Message: 5088

Craigslist is almost larger than EBAY, and a lot less expensive!

A large number of folks do not know how to search more than one or a couple of craigs list sites at the same time.

I have found (in surfing the internet), the instructions on how to search the whole USA craigslist at one time. (or any part of it.)

OK, here goes the secret:

1. Bring up the google search box, that all of us normally use to search using google.

2. type into the box:
site: craigslist.org and the item your wanting to find.

3. press enter.

that's it.

for example

in the google search box, type site:craigslist.org akai m-8

it'll search ALL craigslist sites, for the akai m-8 machine, and give you all the urls for each machine.

COOL?

also, for searching, a string to search with is entered like: "tape recorder"

and if you do not want to find (for instance cassettes) type -cassettes,

and if you want to search specific states type them like
this michigan OR minnesota OR utah OR wisconsin
and wal la, away you go.

COOL?

van lincoln

5089. Re: Inverted-V question

Yahoo group: ham-antennas (2008)
Date: 2008-06-07 00:44:38 UTC
From: lecontejoe
Topic: 5084 Message: 5089

What is the height of the antenna's center point?? How high off the ground are the ends?? Did you have to trim the antenna wires to get it resonant??

Thanks.

--- In ham-antennas@yahoogroups.com, Ruben Echevarria <ka2hhb_2000@...> wrote:
>
> I run an Alpha Delta DX-CC mounted in inverted vee fashion and it actually
> does work omnidirectionally. I get all points with good signal reports, and the receive is great.
> Ruben Echevarria KA2HHB
> SKCC #2132 EPC#3390
> 10-10 International Club #33308
>
>
>
> ----- Original Message ----
> From: James Fogg <james@...>
> To: ham-antennas@yahoogroups.com
> Sent: Friday, June 6, 2008 7:48:42 AM
> Subject: RE: [ham-antennas] Inverted-V question
>
>
> My understanding is that an inverted V is considered to be
> omni-directional, or nearly so. I recently converted my 80m dipole to an
> inverted V and found it behaves like an omni-directional antenna, but I
> haven't operated enough to be sure how much so.
>
> I also found that as an inverted V there seemed to be a bit more noise,
> such as a vertical would have. I've found lots of references to this on
> the intarwebtubes.
>
> My goal in the conversion wasn't space (I have lots of that), it was to
> gain the omni-directional behavior.
>
> ____________ _________ _________ __
>

> From: ham-antennas@ yahoogroups. com [mailto:ham-antennas@
yahoogroups. com]
> On Behalf Of lecontejoe
> Sent: Friday, June 06, 2008 5:41 AM
> To: ham-antennas@ yahoogroups. com
> Subject: [ham-antennas] Inverted-V question
>
> I recall reading something about the inverted-V being
directional ????
>
> Am building a new house and after examining every possibility, it
looks
> as though an inverted-V is the best I can do. I'll probably take my
> current trap dipole -- cut for 40 with traps for 20 and 15 -- and
> install it as a V.
>
> Is the inv-V directional, or, is it directional only with a narrow
V
> angle?
>
> Thanks.
>
> No virus found in this incoming message.
> Checked by AVG.
> Version: 8.0.100 / Virus Database: 270.0.0/1486 - Release Date:
6/5/2008
> 6:29 PM
>
> [Non-text portions of this message have been removed]
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>
> [Non-text portions of this message have been removed]
>

5090. Re: [ham-antennas] Re: Inverted-V question

Yahoo group: ham-antennas (2008)
Date: 2008-06-07 02:54:56 UTC
From: Ruben Echevarria
Topic: 5084 Message: 5090

Let's put it this way... I live in a 3 story building.
I have access to the roof by way of the building owner.
I put the antenna up as best as I could without causing holes or
damage. It's on a 10 foot mast (apex) it extends 51 feet or so to
one corner of the building and another 51 into the backyard where
there is a pole ... It's attached to the top of the pole.
I didn't pull out my tape measure to adjust anything I just set it up
per the instruction sheet and left it alone. If I need to tune it I use
an MFJ989C tuner. This is life in the big city. Under the radar.
As long as it works and I'm on the air I'm not going to get technical.
No I didn't trim anything. Just used the instruction sheet.
 Ruben Echevarria KA2HHB
SKCC #2132 EPC#3390
10-10 International Club #33308

----- Original Message ----
From: lecontejoe <joe@...>
To: ham-antennas@yahoogroups.com
Sent: Friday, June 6, 2008 8:44:38 PM
Subject: [ham-antennas] Re: Inverted-V question

What is the height of the antenna's center point?? How high off the
ground are the ends?? Did you have to trim the antenna wires to get
it resonant??

Thanks.

--- In ham-antennas@ yahoogroups. com, Ruben Echevarria
<ka2hhb_2000@ ...> wrote:
>
> I run an Alpha Delta DX-CC mounted in inverted vee fashion and it
actually
> does work omnidirectionally. I get all points with good signal
reports, and the receive is great.
> Ruben Echevarria KA2HHB
> SKCC #2132 EPC#3390
> 10-10 International Club #33308
>
>
>
> ----- Original Message ----
> From: James Fogg <james@...>
> To: ham-antennas@ yahoogroups. com
> Sent: Friday, June 6, 2008 7:48:42 AM
> Subject: RE: [ham-antennas] Inverted-V question
>

>
> My understanding is that an inverted V is considered to be
> omni-directional, or nearly so. I recently converted my 80m dipole
to an
> inverted V and found it behaves like an omni-directional antenna,
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> haven't operated enough to be sure how much so.
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> I also found that as an inverted V there seemed to be a bit more
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> such as a vertical would have. I've found lots of references to
this on
> the intarwebtubes.
>
> My goal in the conversion wasn't space (I have lots of that), it
was to
> gain the omni-directional behavior.
>
> ___________ _________ _________ __
>
> From: ham-antennas@ yahoogroups. com [mailto:ham- antennas@
yahoogroups. com]
> On Behalf Of lecontejoe
> Sent: Friday, June 06, 2008 5:41 AM
> To: ham-antennas@ yahoogroups. com
> Subject: [ham-antennas] Inverted-V question
>
> I recall reading something about the inverted-V being
directional ????
>
> Am building a new house and after examining every possibility, it
looks
> as though an inverted-V is the best I can do. I'll probably take my
> current trap dipole -- cut for 40 with traps for 20 and 15 -- and
> install it as a V.
>
> Is the inv-V directional, or, is it directional only with a narrow
V
> angle?
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> Thanks.
>
> No virus found in this incoming message.
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> Version: 8.0.100 / Virus Database: 270.0.0/1486 - Release Date:
6/5/2008
> 6:29 PM
>
> [Non-text portions of this message have been removed]
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>
> [Non-text portions of this message have been removed]
>

[Non-text portions of this message have been removed]

5091. Re:CRAIGSLIST-search all craigslists in the world at ONE time! Here's h

Yahoo group: ham-antennas (2008)
Date: 2008-06-07 13:26:05 UTC
From: DC
Topic: 5091 Message: 5091

Or you can do it the way I have been for a couple of years, type in, "Craigslist Icom 706" you don't need all the Craigslist.org a simple Craigslist will do fine.

[Non-text portions of this message have been removed]

5092. Re: [ham-antennas] Re:CRAIGSLIST-search all craigslists in the world at ONE time! Here's h

Yahoo group: ham-antennas (2008)
Date: 2008-06-07 14:26:57 UTC
From: Vlincoln
Topic: 5091 Message: 5092

thanks for the info.

van lincoln

At 13:26 6/7/2008, you wrote:

>Or you can do it the way I have been for a couple of years, type in,
>"Craigslist Icom 706" you don't need all the Craigslist.org a simple
>Craigslist will do fine.
>
>[Non-text portions of this message have been removed]
>
>

[Non-text portions of this message have been removed]

5093. Re: [ham-antennas] Re: Inverted-V question

Yahoo group: ham-antennas (2008)
Date: 2008-06-08 00:15:16 UTC
From: Phil Bader
Topic: 5084 Message: 5093

Ruben, a man after my own heart! If the thing works,then don't worry. If the mule pulls the load, don't look down his throat!
Phil B
Philip Bader
Polk County School Board
Intercom & Fire Alarm Electronics Systems Tech
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakelandarc.org/
pbader@...

----- Original Message -----
From: Ruben Echevarria
To: ham-antennas@yahoogroups.com
Sent: Friday, June 06, 2008 10:54 PM
Subject: Re: [ham-antennas] Re: Inverted-V question

Let's put it this way... I live in a 3 story building.
I have access to the roof by way of the building owner.
I put the antenna up as best as I could without causing holes or
damage. It's on a 10 foot mast (apex) it extends 51 feet or so to
one corner of the building and another 51 into the backyard where
there is a pole ... It's attached to the top of the pole.
I didn't pull out my tape measure to adjust anything I just set it up
per the instruction sheet and left it alone. If I need to tune it I use
an MFJ989C tuner. This is life in the big city. Under the radar.
As long as it works and I'm on the air I'm not going to get technical.
No I didn't trim anything. Just used the instruction sheet.
Ruben Echevarria KA2HHB
SKCC #2132 EPC#3390
10-10 International Club #33308

----- Original Message ----
From: lecontejoe <joe@...>
To: ham-antennas@yahoogroups.com
Sent: Friday, June 6, 2008 8:44:38 PM
Subject: [ham-antennas] Re: Inverted-V question

What is the height of the antenna's center point?? How high off the
ground are the ends?? Did you have to trim the antenna wires to get
it resonant??

Thanks.

--- In ham-antennas@ yahoogroups. com, Ruben Echevarria
<ka2hhb_2000@ ...> wrote:
>
> I run an Alpha Delta DX-CC mounted in inverted vee fashion and it
actually
> does work omnidirectionally. I get all points with good signal
reports, and the receive is great.
> Ruben Echevarria KA2HHB
> SKCC #2132 EPC#3390
> 10-10 International Club #33308
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>
>
> ----- Original Message ----
> From: James Fogg <james@...>
> To: ham-antennas@ yahoogroups. com
> Sent: Friday, June 6, 2008 7:48:42 AM
> Subject: RE: [ham-antennas] Inverted-V question
>
>
> My understanding is that an inverted V is considered to be
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> inverted V and found it behaves like an omni-directional antenna,
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> gain the omni-directional behavior.
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> ___________ _________ _________ __
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> From: ham-antennas@ yahoogroups. com [mailto:ham- antennas@
yahoogroups. com]
> On Behalf Of lecontejoe
> Sent: Friday, June 06, 2008 5:41 AM
> To: ham-antennas@ yahoogroups. com
> Subject: [ham-antennas] Inverted-V question
>
> I recall reading something about the inverted-V being
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6/5/2008
> 6:29 PM
>
> [Non-text portions of this message have been removed]
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> [Non-text portions of this message have been removed]
>

[Non-text portions of this message have been removed]

No virus found in this incoming message.
Checked by AVG.
Version: 7.5.524 / Virus Database: 270.0.0/1488 - Release Date: 6/6/2008 5:48 PM

[Non-text portions of this message have been removed]

5094. Re: [ham-antennas] Re: Inverted-V question

Yahoo group: ham-antennas (2008)
Date: 2008-06-08 00:34:05 UTC
From: Ruben Echevarria
Topic: 5084 Message: 5094

Roger that Phil .....
When you get too technical then you just sit there.....
So press the button and go into "KISS" mode..... 73
Always on 14.070 PSK .....
 Ruben Echevarria KA2HHB
SKCC #2132 EPC#3390
10-10 International Club #33308

----- Original Message ----
From: Phil Bader <PBADER@...>
To: ham-antennas@yahoogroups.com
Sent: Saturday, June 7, 2008 8:15:16 PM
Subject: Re: [ham-antennas] Re: Inverted-V question

Ruben, a man after my own heart! If the thing works,then don't worry. If the mule pulls the load, don't look down his throat!
Phil B
Philip Bader
Polk County School Board
Intercom & Fire Alarm Electronics Systems Tech
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakeland arc.org/
pbader@tampabay. rr.com

----- Original Message -----
From: Ruben Echevarria
To: ham-antennas@ yahoogroups. com
Sent: Friday, June 06, 2008 10:54 PM
Subject: Re: [ham-antennas] Re: Inverted-V question

Let's put it this way... I live in a 3 story building.
I have access to the roof by way of the building owner.
I put the antenna up as best as I could without causing holes or
damage. It's on a 10 foot mast (apex) it extends 51 feet or so to
one corner of the building and another 51 into the backyard where
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I didn't pull out my tape measure to adjust anything I just set it up
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As long as it works and I'm on the air I'm not going to get technical.
No I didn't trim anything. Just used the instruction sheet.
Ruben Echevarria KA2HHB
SKCC #2132 EPC#3390
10-10 International Club #33308

----- Original Message ----
From: lecontejoe <joe@schlatter. org>
To: ham-antennas@ yahoogroups. com
Sent: Friday, June 6, 2008 8:44:38 PM
Subject: [ham-antennas] Re: Inverted-V question

What is the height of the antenna's center point?? How high off the ground are the ends?? Did you have to trim the antenna wires to get it resonant??

Thanks.

--- In ham-antennas@ yahoogroups. com, Ruben Echevarria <ka2hhb_2000@ ...> wrote:
>
> I run an Alpha Delta DX-CC mounted in inverted vee fashion and it actually
> does work omnidirectionally. I get all points with good signal reports, and the receive is great.
> Ruben Echevarria KA2HHB
> SKCC #2132 EPC#3390
> 10-10 International Club #33308
>
>
>
> ----- Original Message ----
> From: James Fogg <james@...>
> To: ham-antennas@ yahoogroups. com
> Sent: Friday, June 6, 2008 7:48:42 AM
> Subject: RE: [ham-antennas] Inverted-V question
>
>
> My understanding is that an inverted V is considered to be
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> inverted V and found it behaves like an omni-directional antenna, but I
> haven't operated enough to be sure how much so.
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> I also found that as an inverted V there seemed to be a bit more noise,
> such as a vertical would have. I've found lots of references to this on
> the intarwebtubes.
>
> My goal in the conversion wasn't space (I have lots of that), it was to
> gain the omni-directional behavior.
>
> ___________ _________ _________ __
>
> From: ham-antennas@ yahoogroups. com [mailto:ham- antennas@

yahoogroups. com]
> On Behalf Of lecontejoe
> Sent: Friday, June 06, 2008 5:41 AM
> To: ham-antennas@ yahoogroups. com
> Subject: [ham-antennas] Inverted-V question
>
> I recall reading something about the inverted-V being
directional ????
>
> Am building a new house and after examining every possibility, it
looks
> as though an inverted-V is the best I can do. I'll probably take my
> current trap dipole -- cut for 40 with traps for 20 and 15 -- and
> install it as a V.
>
> Is the inv-V directional, or, is it directional only with a narrow
V
> angle?
>
> Thanks.
>
> No virus found in this incoming message.
> Checked by AVG.
> Version: 8.0.100 / Virus Database: 270.0.0/1486 - Release Date:
6/5/2008
> 6:29 PM
>
> [Non-text portions of this message have been removed]
>
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

[Non-text portions of this message have been removed]

---------- --------- --------- --------- --------- --------- -

No virus found in this incoming message.
Checked by AVG.
Version: 7.5.524 / Virus Database: 270.0.0/1488 - Release Date: 6/6/2008 5:48 PM

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

5095. RE: [ham-antennas] Matching 75ohm to 50ohm

Yahoo group: ham-antennas (2008)
Date: 2008-06-08 02:22:58 UTC
From: W5TA
Topic: 5053 Message: 5095

Rob,

There are many solutions to this problem. Probably the one I've received that I like best is: ignore it. True, most all modern transcievers are "looking" for a 50 ohms load, but most will still put out full power into a 1.5 to 1 (or 2:1) SWR, and the loss, especially on the lower HF bands is essentially negligible.

Among other schemes is using a half wave length of coax, that only works for monoband antennas. The ARRL book on baluns also treats "un-un's". And, you can always use an internal or external transmatch. They make automatic ones now, if you want to avoid twisting knobs.

Google it, and you'll find plenty of suggestions.

GL OM,
Dick W5TA

-----Original Message-----
From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]On Behalf Of Rob Thomson
Sent: Tuesday, June 03, 2008 5:41 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Matching 75ohm to 50ohm

Dear Group

I have searched the archives but found no suggestions on this one... does anyone have any ideas for matching 75ohm coax to the 50ohm connection on the transceiver?

As I work in the cable industry, I have a plentiful supply of low-loss 75ohm coax and am using it to feed various dipoles (inherently 75-ohm impedence in any case). I don't seem to be able to find any instructions for a suitable "un-un" (other than single frequency stubs).

Any suggestions welcome.

Regards
Rob, G4LMW

Any suggestions welcome.

[Non-text portions of this message have been removed]

5096. Re: Name That Antenna

Yahoo group: ham-antennas (2008)
Date: 2008-06-12 03:39:58 UTC
From: ve9xyz
Topic: 4934 Message: 5096

I have this same antenna and did a lot of research here and elsewhere until I could figure out what it was too.

The same chap at Cushcraft helped me with the manual which was well worth the $5 since there's good info in it about tuning lengths and radial lengths that would have taken a lot of time to figure out by trial and error.

I've had frustrating weekends trying to get good connections at the trap (screws into aluminium mast) and keeping water out of the traps, but this thing tunes up on all 5 bands (80, 40, 20, 15 and 10). Such is the fate with newer units too, I suspect.

If you need some measurements I took good records (somewhere).

73

Kevin VE9-XYZ
myfamilydotcom@...

--- In ham-antennas@yahoogroups.com, Ken Burchfield <k5jxl@...> wrote:
>
> Here is the Rig Pixs Link
> http://www.rigpix.com/antennas/cushcraft_atv5.htm
>
> 73 Ken
> PacketRadio is Still
Alive.....Mississippi.....145.010.....Simplex.....1200 Baud
>
>
>
>
>
> ----- Original Message ----
> From: Ken Burchfield <k5jxl@...>
> To: ham-antennas@yahoogroups.com
> Sent: Wednesday, June 4, 2008 1:14:48 PM
> Subject: Re: [ham-antennas] Name That Antenna
>
>
> Mike, I think the mystry is solved!!!!!
> While looking thru one of my "prized" archived copies of "Ham
Radio" from 1978
> I saw an advertisement for a CrushCraft new vertical called ATV-5.
> Then searched the Web and found other pictures and data...I will
post in the photo section for others to investigate.

> 73 Ken
> Interesting Search!!!!!
>
> PacketRadio is Still Alive..... Mississippi. .....145.
010..... .Simplex. .....1200 Baud
>
> ----- Original Message ----
> From: Mike (WM4B) Besemer <mwbesemer@cox. net>
> To: ham-antennas@ yahoogroups. com
> Sent: Tuesday, May 20, 2008 7:08:32 PM
> Subject: [ham-antennas] Name That Antenna
>
> Greetings all,
>
> I just posted 5 photos in the 'Name That Antenna' folder. This
antenna
> was discovered by a friend of mine and thus far, neither of us have
> been able to ID it. I told him I'd post it here in hopes that
someone
> would recognize it.
>
> Thanks for the assist.
>
> 73,
>
> Mike
> WM4B
>
> __._,
>
> [Non-text portions of this message have been removed]
>
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

5097. Cushcraft

Yahoo group: ham-antennas (2008)
Date: 2008-06-12 16:13:32 UTC
From: Greg DeChant
Topic: 5097 Message: 5097

Does any one in the group have a copy of an Cushcraft ATV-5 antenna manual, they could email me?

73, Greg, W8GCD

5098. Re: [ham-antennas] Cushcraft

Yahoo group: ham-antennas (2008)
Date: 2008-06-12 17:35:58 UTC
From: Ken Burchfield
Topic: 5097 Message: 5098

Greg, this is the only help that I can offer,
Kevin is the only other person with ATV-5 I know off.
73 Ken
XXXXXXXXXXXX

John,
Many Thanks for the confirmation of the ATV-5
I will pass this information on to the party that was searching for the ID.
Myself ,I at this time have no need of the Manual, but glad to find out that it is available.
My Thanks again,your response is appreciated!
73 Ken

PacketRadio is Still Alive.....Mississippi.....145.010.....Simplex.....1200 Baud

----- Original Message ----
From: John David <John.David@...>
To: Ken Burchfield <k5jxl@...>
Sent: Thursday, June 5, 2008 1:57:09 PM
Subject: RE: Quest for information

It is indeed an ATV5
I found the Instruction Manual for it, actually covers the ATV3, 4 and 5.
Send me $5 cash if you want me to make you a copy.
Don?t ask me for parts on this antenna. There
are none available, unless you can find common hardware with other
antennas ? which is quite likely... but the traps and coils, etc. you
are on your own.
/John

John G. David
Amateur Accounts Manager
Cushcraft, a Unit of
Laird Technologies,
48 Perimeter Rd.
Manchester, NH 03103
603-627-7877 (Phone)
603-627-1764 (FAX)
<John.David@...>
Eastern US Time Zone.

xxxxxx
I have this same antenna and did a lot of research here and elsewhere
until I could figure out what it was too.

The same chap at Cushcraft helped me with the manual which was well
worth the $5 since there's good info in it about tuning lengths and

radial lengths that would have taken a lot of time to figure out by trial and error.

I've had frustrating weekends trying to get good connections at the trap (screws into aluminium mast) and keeping water out of the traps, but this thing tunes up on all 5 bands (80, 40, 20, 15 and 10). Such is the fate with newer units too, I suspect.

If you need some measurements I took good records (somewhere).

73

Kevin VE9-XYZ
myfamilydotcom@ hotmail.com

--- In ham-antennas@ yahoogroups. com, Ken Burchfield <k5jxl@...> wrote:
>
> Here is the Rig Pixs Link
> http://www.rigpix. com/antennas/ cushcraft_ atv5.htm
>
> 73 Ken
> PacketRadio is Still
Alive..... Mississippi. .....145. 010..... .Simplex. .....1200 Baud
>
>
>
>
>
> ----- Original Message ----
> From: Ken Burchfield <k5jxl@...>
> To: ham-antennas@ yahoogroups. com
> Sent: Wednesday, June 4, 2008 1:14:48 PM
> Subject: Re: [ham-antennas] Name That Antenna
>
>
> Mike, I think the mystry is solved!!!!!
> While looking thru one of my "prized" archived copies of "Ham
Radio" from 1978
> I saw an advertisement for a CrushCraft new vertical called ATV-5.
> Then searched the Web and found other pictures and data...I will
post in the photo section for others to investigate.
> 73 Ken
> Interesting Search!!!!!
>
> PacketRadio is Still Alive..... Mississippi. .....145.
010..... .Simplex. .....1200 Baud
>
> ----- Original Message ----
> From: Mike (WM4B) Besemer <mwbesemer@cox. net>
> To: ham-antennas@ yahoogroups. com
> Sent: Tuesday, May 20, 2008 7:08:32 PM

> Subject: [ham-antennas] Name That Antenna
>
> Greetings all,
>
> I just posted 5 photos in the 'Name That Antenna' folder. This
antenna
> was discovered by a friend of mine and thus far, neither of us have
> been able to ID it. I told him I'd post it here in hopes that
someone
> would recognize it.
>
> Thanks for the assist.
>
> 73,
>
> Mike
> WM4B

PacketRadio is Still Alive.....Mississippi.....145.010.....Simplex.....1200 Baud

----- Original Message ----
From: Greg DeChant <gcdechant@...>
To: ham-antennas@yahoogroups.com
Sent: Thursday, June 12, 2008 10:13:32 AM
Subject: [ham-antennas] Cushcraft

Does any one in the group have a copy of an Cushcraft ATV-5 antenna
manual, they could email me?

73, Greg, W8GCD

[Non-text portions of this message have been removed]

5099. The Field Day Flag Pole Vertical

Yahoo group: ham-antennas (2008)
Date: 2008-06-13 00:43:14 UTC
From: James
Topic: 5099 Message: 5099

ARRL has a wild story about The Orange County New York ARC loading up a flag pole for field day!

http://www.arrl.org/news/features/2008/06/12/10155/?nc=1

James
KB7TBT
www.kb7tbt.com
www.myspace.com/kb7tbt

[Non-text portions of this message have been removed]

5100. Re: [ham-antennas] Cushcraft

Yahoo group: ham-antennas (2008)
Date: 2008-06-13 15:41:50 UTC
From: Phil Bader
Topic: 5097 Message: 5100

AV-5, or ATV-5?
PB
Philip Bader
Polk County School Board
Intercom & Fire Alarm Electronics Systems Tech
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakelandarc.org/
pbader@...

----- Original Message -----
From: Greg DeChant
To: ham-antennas@yahoogroups.com
Sent: Thursday, June 12, 2008 12:13 PM
Subject: [ham-antennas] Cushcraft

Does any one in the group have a copy of an Cushcraft ATV-5 antenna
manual, they could email me?

73, Greg, W8GCD

No virus found in this incoming message.
Checked by AVG.
Version: 7.5.524 / Virus Database: 270.3.0/1500 - Release Date: 6/12/2008 4:58 PM

[Non-text portions of this message have been removed]

5101. Re: [ham-antennas] Cushcraft

Yahoo group: ham-antennas (2008)
Date: 2008-06-13 15:43:56 UTC
From: Phil Bader
Topic: 5097 Message: 5101

AV3,4,5 manals:
http://www.cushcraft.com/support/pdf/av3482.pdf
PB
Philip Bader
Polk County School Board
Intercom & Fire Alarm Electronics Systems Tech
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakelandarc.org/
pbader@...

----- Original Message -----
From: Greg DeChant
To: ham-antennas@yahoogroups.com
Sent: Thursday, June 12, 2008 12:13 PM
Subject: [ham-antennas] Cushcraft

Does any one in the group have a copy of an Cushcraft ATV-5 antenna
manual, they could email me?

73, Greg, W8GCD

No virus found in this incoming message.
Checked by AVG.
Version: 7.5.524 / Virus Database: 270.3.0/1500 - Release Date: 6/12/2008 4:58 PM

[Non-text portions of this message have been removed]

5102. Re: The Field Day Flag Pole Vertical

Yahoo group: ham-antennas (2008)
Date: 2008-06-13 22:33:15 UTC
From: Bryan Swadener
Topic: 5099 Message: 5102

James KB7TBT wrote:

ARRL has a wild story about The Orange County New York ARC loading up a flag pole for field day!
http://www.arrl.org/news/ features/2008/06/12/10155/?nc=1
James
KB7TBT

****

Hi James,

That's a good article on shunt-feeding a pole that already exists. However, when your site doesn't have anything resembling a mast, you have to bring your own. Some years ago, I built a 40' tilt-up, rotatable mast that supports a Cushcraft A3 (3 element 20/15/10m yagi). A single person can erect it but two or more bodies makes it go faster… typically, two or three hours.

The mast is made using commonly-available 1¼" Schedule 40 pipe (~1.66" OD), rigid conduit couplings, 1½" floor flanges that work as rotating guy collars on top of the couplings, and an X-shaped base made from 1”x1” angle iron. There are two guy sets -- midpoint and near the top. The mast sections are 5’ – 10’ – 10’ – 10’ – 5’, so the top guy set is 5’ down from the top. The support for the midpoint guy set is a coupling that is welded to the middle 10’ section after turning the threads out on a lathe. A 1½” coupling could be used w/o having to do any lathe work. The couplings are pinned thru one side of the sections using small fine-thread bolts w/ threads cut in the couplings. I can see (now) that it could be done w/o welding.

The top guy set performs double duty as inverted vees for 80m & 40m. The 80m antenna is a 4-wire cage, covering about 400KHz of the band w/o a tuner. Since the 40m inverted vee is only a single wire, it's made using 1/16" stainless steel wire rope. The three antennas are fed from separate feedlines with choke baluns.

There's a tee at the bottom of the mast that allows a 20' cantilever boom to be used during lifting/lowering. The cantilever boom is screwed into the “branch” side of the tee. The bottom end of the tee has a close nipple screwed into it, which is passed thru a flange that’s bolted to the base unit. A cap underneath the tee “captures” the mast.

For lifting, two lengths of wire rope connect to the mast just below the midpoint and top guy collars and connect to the free end of the cantilever boom. A winch provides the muscle for lifting & lowering. My original winch was a manual worm-drive boat winch fixed to one end of a rectangular steel frame, with the winch positioned just a touch more than 20' from the base of the mast. I parked one of my pickup truck's front wheels over the other end of the winch base. I now use an electric winch on the front of my truck.

The midpoint guys & 40m inverted vee antenna that are 90° to the direction of the mast are laid out and then tied off to anchors that are inline with the bottom of the mast. The

anchors consist of 3' long 3/4" steel rods driven into the ground at an angle pointing toward the mast. The top and midpoint backstay guys/inverted vee are also anchored, with their overall length calculated using simple geometry. The cantilever boom is held upright during lifting/lowering using temporary rope guys, tied to the midpoint anchor stakes on either side of the mast. Once the mast is tilted up, the forestay guys/inverted vees are tied to their respective anchor stakes, and the other guys/inverted vee lengths are adjusted so the mast is more-or-less vertical. The cantilever boom can then be removed. The lifting wire ropes are taped to the mast until needed for lowering. I use a short piece of 1¼" pipe and a stake to prevent the mast from being rotated more than 360° (and subsequent winding of the feedlines around the mast).

At this point, the operating tent is set up, next to the mast. The last time (in 2007), a new operator was dubious about the safety, so he setup his tent away from the mast. Prior to last year, we used my friend's tent trailer, parked right next to the mast. With the trailer positioned such that the zipper for the screen window (at the operating position) was parallel to the mast, we were able to reach thru the zipper opening to rotate the mast. A piece of tape w/ N-S-E-W markings on it makes it easy to tell which way the antenna is pointed (very handy at night). A plethora of still photos are here: http://www.geocities.com/bswadener/fd2007/ and http://www.geocities.com/bswadener/fd2003/

On the 2007 page, there's a 30 second video clip of the mast being lowered (the last thumbnail image). Catch me in FD2008, operating 2E-WWA!

73,
Bryan WA7PRC

5103. I made my first antenna now have questions.

Yahoo group: ham-antennas (2008)
Date: 2008-06-14 03:24:04 UTC
From: pcooke2002
Topic: 5103 Message: 5103

I made a 2m slimjim from http://www.hamuniverse.com/ke4nu450slimjim.html

first question) Why do we connect the coax shielding to the short side? I would think that by connecting the shielding to the antenna it would also radiate radio frequencies.

second question) is it normal to connect the coax shielding to the antenna?

When I hooked up the antenna to an antenna analyser. If I used a short coax to feed the antenna the SWR fluctuated wildly especially if the antenna moved. However with a long coax the SWR was always 1:1

Question 3) why would the swr fluctuate if the antenna moves? from my extra test: the electrical charge important to radio is conducted on the exterior surface of the wire. The antenna surface area remains constant.

5104. Re: [ham-antennas] I made my first antenna now have questions.

Yahoo group: ham-antennas (2008)
Date: 2008-06-14 05:06:06 UTC
From: Andy
Topic: 5103 Message: 5104

> I made a 2m slimjim from http://www.hamuniverse.com/ke4nu450slimjim.html
>
> first question) Why do we connect the coax shielding to the short
> side? I would think that by connecting the shielding to the antenna it
> would also radiate radio frequencies.

Some say a J-pole works better with the coax shield on one side or the other of the 'J' matching section. Others say it doesn't make much difference.

The truth is (I think) that neither is truly ideal, because neither side is RF neutral so there will be some current along the outside of the coax, unless you add a choke (current balun) to decouple the coax from the antenna. Perhaps just a few coils of the coax near the connection point. But many hams use antennas without such chokes or baluns, so it may work well enough without one.

> second question) is it normal to connect the coax shielding to the
> antenna?

Absolutely. The coax shield has to go somewhere, because both leads have currents and a voltage between them. Even for a ground plane antenna, whatever constitutes the 'ground' plane is a part of the antenna and needs to be connected to the coax feedline. At VHF the shield must connect to some part of the antenna.

> When I hooked up the antenna to an antenna analyser. If I used a short
> coax to feed the antenna the SWR fluctuated wildly especially if the
> antenna moved. However with a long coax the SWR was always 1:1

Hmm, if the longer coax is long enough and lossy enough (RG-58 or (gasp) RG-174), it will behave like a dummy load and you'll measure a nice low SWR no matter what you put on the other end. Nice SWR, but not much of your TX power is making it to the antenna!

Do you see a low SWR even if you disconnect the coax at the antenna end?

> Question 3) why would the swr fluctuate if the antenna moves?

I can think of two possibilities:

1. Any antenna is affected by its environment. If it is near ground, or metallic objects, or people, they will affect its SWR.

2. If you have a common-mode problem (or "current-on-the-outside-of-the-coax" problem), touching or moving things near the coax will affect the SWR. In fact that is one way to tell that you have such a problem.

Andy

5105. Re: I made my first antenna now have questions.

Yahoo group: ham-antennas (2008)
Date: 2008-06-14 19:11:55 UTC
From: Mark Blanton
Topic: 5103 Message: 5105

The SlimJim is a J-Pole antenna made from ladder line. If properly built and installed it should have low SWR over the entire 2 meter band and then some.

The fact that the SWR changes violently when the antenna moves could mean mean two things:

First you may have a cold solder joint somewhere. Try screwing the coax pigtail into your antenna analyzer and wiggling the cable immediately behind the PL-259 connector. If the SWR swings from flat to infinity and back you need to resolder the connector. Are your solder joints bright and shiny or crinkled and dull? I have no idea what power soldering iron you used, but it is virtually impossible to get a good solder joint on a PL-259 with a 15 or 30 Watt soldering pencil. Find someone who has a 150 Watt or bigger soldering GUN (the 100W job Radio Shack sells isn't big enough either). Work fast and apply heat to the connector not directly to the solder. Let the work melt the solder and flow into the joint until you have a bright shiny connection.

Second, if using the short piece causes the SWR to fluctuate it could be you are simply too close to the antenna and your body capacity is detuning it.

73 and good luck,

Mark WC5M--- In ham-antennas@yahoogroups.com, "pcooke2002" <Pcooke2002@...> wrote:
>
> I made a 2m slimjim from http://www.hamuniverse.com/ke4nu450slimjim.html
>
> first question) Why do we connect the coax shielding to the short
> side? I would think that by connecting the shielding to the antenna it
> would also radiate radio frequencies.
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> second question) is it normal to connect the coax shielding to the
> antenna?
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>
>
> When I hooked up the antenna to an antenna analyser. If I used a short
> coax to feed the antenna the SWR fluctuated wildly especially if

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> antenna moved. However with a long coax the SWR was always 1:1
>
> Question 3) why would the swr fluctuate if the antenna moves?
from my
> extra test: the electrical charge important to radio is conducted
on
> the exterior surface of the wire. The antenna surface area remains
> constant.
>

5106. Re: I made my first antenna now have questions.

Yahoo group: ham-antennas (2008)
Date: 2008-06-14 21:02:44 UTC
From: pcooke2002
Topic: 5103 Message: 5106

My problem is probably all of the below. I had found a coleman battery soldering iron around. figured it was a weekend project so I used that. If I liked making antenni and other electrical work then buy a good iron.

as for the lenght of the coax. the short was about 6in. The long was probably 30ft.

In the other email responses. I had not thought about metal things around my antenna, but my slim jim was laying across a steel vice for most of the SWR readings. I was also moving the antenna with my hands, saying to myself "Ok there is constant metal surface area, I have insulated everything. I wonder why the swr is not constant"

Well first antenna made. It was fun and easy.

--- In ham-antennas@yahoogroups.com, "Mark Blanton" <wc5m@...> wrote:
>
> The SlimJim is a J-Pole antenna made from ladder line. If properly
> built and installed it should have low SWR over the entire 2 meter
> band and then some.
>
> The fact that the SWR changes violently when the antenna moves
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> what power soldering iron you used, but it is virtually impossible
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> 100W job Radio Shack sells isn't big enough either). Work fast and
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> detuning it.
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> 73 and good luck,
>
> Mark WC5M--- In ham-antennas@yahoogroups.com, "pcooke2002"
> <Pcooke2002@> wrote:
> >
> > I made a 2m slimjim from
> http://www.hamuniverse.com/ke4nu450slimjim.html
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> from my
> > extra test: the electrical charge important to radio is conducted
> on
> > the exterior surface of the wire. The antenna surface area
remains
> > constant.
> >
>

5107. RE: [ham-antennas] Re: I made my first antenna now have questions.

Yahoo group: ham-antennas (2008)
Date: 2008-06-15 13:31:06 UTC
From: Rich Schmuke
Topic: 5103 Message: 5107

I have made 4 different "Slim Jims". They are all very susceptible to detuning if any thing is close by so the short coax can be a problem. The lower part should be at least a quarter wave above a metal mount. Over all there has been good performance reports from the people that I have made then for. I hang mine out in the open and support then with a monofilament line during building and testing, I have made three with 450 ohm that was purchased and one for me that I made my own 450 line with 14ga copper weld. It has a wider spacing and was mounted on larger PVC conduit. Keep all conductors away from it and the SWR should not change.

KD0ZZ , Rich

I am not getting older but having a propagation problem with the neurons in the grey matter.

Any errors in spelling or facts are tramsmission errors

Mark WC5M--- In ham-antennas@yahoogroups.com
<mailto:ham-antennas%40yahoogroups.com> , "pcooke2002"
<Pcooke2002@...> wrote:
>
> I made a 2m slimjim from
http://www.hamuniverse.com/ke4nu450slimjim.html
>
> first question) Why do we connect the coax shielding to the short
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antenna it
> would also radiate radio frequencies.
>
> second question) is it normal to connect the coax shielding to the
> antenna?
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>
>
> When I hooked up the antenna to an antenna analyser. If I used a
short
> coax to feed the antenna the SWR fluctuated wildly especially if
the
> antenna moved. However with a long coax the SWR was always 1:1
>
> Question 3) why would the swr fluctuate if the antenna moves?
from my
> extra test: the electrical charge important to radio is conducted
on
> the exterior surface of the wire. The antenna surface area remains

> constant.
>

[Non-text portions of this message have been removed]

5108. Re: [ham-antennas] Re: I made my first antenna now have questions.

Yahoo group: ham-antennas (2008)
Date: 2008-06-15 14:01:30 UTC
From: Bill Hall
Topic: 5103 Message: 5108

How about a Multi-Band with the same construction ?
Bill KZ5CW

----- Original Message ----
From: Rich Schmuke <rdj@...>
To: ham-antennas@yahoogroups.com
Sent: Sunday, June 15, 2008 8:31:06 AM
Subject: RE: [ham-antennas] Re: I made my first antenna now have questions.

I have made 4 different "Slim Jims". They are all very susceptible to
detuning if any thing is close by so the short coax can be a problem. The
lower part should be at least a quarter wave above a metal mount. Over all
there has been good performance reports from the people that I have made
then for. I hang mine out in the open and support then with a monofilament
line during building and testing, I have made three with 450 ohm that was
purchased and one for me that I made my own 450 line with 14ga copper weld.
It has a wider spacing and was mounted on larger PVC conduit. Keep all
conductors away from it and the SWR should not change.

KD0ZZ , Rich

I am not getting older but having a propagation problem with the neurons in
the grey matter.

Any errors in spelling or facts are tramsmission errors

Mark WC5M--- In ham-antennas@ yahoogroups. com
<mailto:ham- antennas% 40yahoogroups. com> , "pcooke2002"
<Pcooke2002@ ...> wrote:
>
> I made a 2m slimjim from
http://www.hamunive rse.com/ke4nu450 slimjim.html
>
> first question) Why do we connect the coax shielding to the short
> side? I would think that by connecting the shielding to the
antenna it
> would also radiate radio frequencies.
>
> second question) is it normal to connect the coax shielding to the
> antenna?
>
>
>
>
> When I hooked up the antenna to an antenna analyser. If I used a
short

> coax to feed the antenna the SWR fluctuated wildly especially if
the
> antenna moved. However with a long coax the SWR was always 1:1
>
> Question 3) why would the swr fluctuate if the antenna moves?
from my
> extra test: the electrical charge important to radio is conducted
on
> the exterior surface of the wire. The antenna surface area remains
> constant.
>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

5109. Re: [ham-antennas] Re: I made my first antenna now have questions.

Yahoo group: ham-antennas (2008)
Date: 2008-06-15 15:56:30 UTC
From: Phil Bader
Topic: 5103 Message: 5109

I made mine and slipped it into a PVC pipe with a cap on each end. Bottom cap I drilled a hole to accomodate an so239 female chassis conection so I could attach my coax cable. I made the PCV about 8 inches longer so I could place it on a mast with clamps and the j-pole was above the metal. This 10 ft mast goes into a patio type umbrella stand for field day use.

Phil B
Philip Bader
Polk County School Board
Intercom & Fire Alarm Electronics Systems Tech
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakelandarc.org/
pbader@...

----- Original Message -----
From: Rich Schmuke
To: ham-antennas@yahoogroups.com
Sent: Sunday, June 15, 2008 9:31 AM
Subject: RE: [ham-antennas] Re: I made my first antenna now have questions.

I have made 4 different "Slim Jims". They are all very susceptible to detuning if any thing is close by so the short coax can be a problem. The lower part should be at least a quarter wave above a metal mount. Over all there has been good performance reports from the people that I have made then for. I hang mine out in the open and support then with a monofilament line during building and testing, I have made three with 450 ohm that was purchased and one for me that I made my own 450 line with 14ga copper weld. It has a wider spacing and was mounted on larger PVC conduit. Keep all conductors away from it and the SWR should not change.

KD0ZZ , Rich

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Mark WC5M--- In ham-antennas@yahoogroups.com
<mailto:ham-antennas%40yahoogroups.com> , "pcooke2002"
<Pcooke2002@...> wrote:
>
> I made a 2m slimjim from
http://www.hamuniverse.com/ke4nu450slimjim.html
>
> first question) Why do we connect the coax shielding to the short

> side? I would think that by connecting the shielding to the
antenna it
> would also radiate radio frequencies.
>
> second question) is it normal to connect the coax shielding to the
> antenna?
>
>
>
>
> When I hooked up the antenna to an antenna analyser. If I used a
short
> coax to feed the antenna the SWR fluctuated wildly especially if
the
> antenna moved. However with a long coax the SWR was always 1:1
>
> Question 3) why would the swr fluctuate if the antenna moves?
from my
> extra test: the electrical charge important to radio is conducted
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> the exterior surface of the wire. The antenna surface area remains
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[Non-text portions of this message have been removed]

No virus found in this incoming message.
Checked by AVG.
Version: 7.5.524 / Virus Database: 270.3.0 - Release Date: 6/11/2008 12:00 AM

[Non-text portions of this message have been removed]

5110. Re: [ham-antennas] I made my first antenna now have questions.

Yahoo group: ham-antennas (2008)
Date: 2008-06-15 18:49:47 UTC
From: Wayne
Topic: 5103 Message: 5110

The average J Pole is fed in a compromise feed.
Designs that feed the end of one of the two elements directly, with the other element being grounded to the base and mast, are less likely to have these problems.
I built two J Poles, one for the 1 1/4 meter band, and the other a dual band, based on the design as Arrow Antennas uses. The length of the feed line makes little difference, other that the losses in said feedline.
An antenna made of flexible wire, like twinlead, will show some variations in movement, especially with shorter lengths of coax. The antenna was meant as a fast portable antenna, not really as a base antenna.
People often take a basic design and modify it, maybe seeing some improvement depending on how they feed it and how it was constructed.
Mine have always shown a good match no matter where I mounted them, or how long the feedline was.

The J Pole design has been around for a long time now.
It is a 1/2 wave antenna with a 1/4 wave matching stub.
Also known as a vertical end fed zepp...
The types like I have could be mounted horizontally, which would be good for SSB, CW and a few other modes. At frequencies lower than 144 MHz, the design starts getting bigger so is not as easy to implement. OTOH, a horizontal dipole is a bit easier to handle, and in theory, both designs should have the same gain.
The differences are due to variables, such as:
How and where the antenna is mounted.
How the antenna is fed.
Loss in the feedline (and there will be some).
Objects between the antenna and the station/repeater being worked. Big metal buildings will attenuate the signal a great deal. Where I was living, there was a large milk plant between my location and many I wanted to work. This also affected the TV reception.

In order to fairly test an antenna against another, both must be tested under the exact same conditions.
the same mounting location.
The same coax or equivalent, including length of same.
the same radios at both ends.
And a few more I don't recall just now.

Note that two different makes and models of radios will have some differences in reception, and so on...
YMMV

Wayne WA2YNE

On Sat, 14 Jun 2008 00:06:06 -0500, Andy <Andy.groups@...> wrote:

>> I made a 2m slimjim from http://www.hamuniverse.com/ke4nu450slimjim.html
>>
>> first question) Why do we connect the coax shielding to the short
>> side? I would think that by connecting the shielding to the antenna it
>> would also radiate radio frequencies.
>
> Some say a J-pole works better with the coax shield on one side or the
> other
> of the 'J' matching section. Others say it doesn't make much difference.
>
> The truth is (I think) that neither is truly ideal, because neither side
> is
> RF neutral so there will be some current along the outside of the coax,
> unless you add a choke (current balun) to decouple the coax from the
> antenna. Perhaps just a few coils of the coax near the connection point.
> But many hams use antennas without such chokes or baluns, so it may work
> well enough without one.
>
>> second question) is it normal to connect the coax shielding to the
>> antenna?
>
> Absolutely. The coax shield has to go somewhere, because both leads have
> currents and a voltage between them. Even for a ground plane antenna,
> whatever constitutes the 'ground' plane is a part of the antenna and
> needs
> to be connected to the coax feedline. At VHF the shield must connect to
> some part of the antenna.
>
>> When I hooked up the antenna to an antenna analyser. If I used a short
>> coax to feed the antenna the SWR fluctuated wildly especially if the
>> antenna moved. However with a long coax the SWR was always 1:1
>
> Hmm, if the longer coax is long enough and lossy enough (RG-58 or (gasp)
> RG-174), it will behave like a dummy load and you'll measure a nice low
> SWR
> no matter what you put on the other end. Nice SWR, but not much of your
> TX
> power is making it to the antenna!
>
> Do you see a low SWR even if you disconnect the coax at the antenna end?
>
>> Question 3) why would the swr fluctuate if the antenna moves?
>
> I can think of two possibilities:
>
> 1. Any antenna is affected by its environment. If it is near ground, or
> metallic objects, or people, they will affect its SWR.
>
> 2. If you have a common-mode problem (or
> "current-on-the-outside-of-the-coax" problem), touching or moving things
> near the coax will affect the SWR. In fact that is one way to tell that

> you
> have such a problem.
>
> Andy
>
>

--
Using Opera's revolutionary e-mail client: http://www.opera.com/mail/

5111. RE: [ham-antennas] Re: I made my first antenna now have questions.

Yahoo group: ham-antennas (2008)
Date: 2008-06-15 23:28:58 UTC
From: Rich Schmuke
Topic: 5103 Message: 5111

Phil , did you come up with any numbers or percentages for dimensions when you put it in the PVC. I have always found the SWR to change inside of PVC. Inside would look nicer inside then tie wrapped to the outside like mine.

Rich , Kd0zz

As an act of plagiarism . Disclaimer: Any errors in spelling or facts are transmission errors.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Phil Bader
Sent: Sunday, June 15, 2008 10:57 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: I made my first antenna now have questions.

I made mine and slipped it into a PVC pipe with a cap on each end. Bottom cap I drilled a hole to accomodate an so239 female chassis conection so I could attach my coax cable. I made the PCV about 8 inches longer so I could place it on a mast with clamps and the j-pole was above the metal. This 10 ft mast goes into a patio type umbrella stand for field day use.
Phil B
Philip Bader
Polk County School Board
Intercom & Fire Alarm Electronics Systems Tech
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakelandarc.org/
pbader@... <mailto:pbader%40tampabay.rr.com>

----- Original Message -----
From: Rich Schmuke
To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
Sent: Sunday, June 15, 2008 9:31 AM
Subject: RE: [ham-antennas] Re: I made my first antenna now have questions.

I have made 4 different "Slim Jims". They are all very susceptible to detuning if any thing is close by so the short coax can be a problem. The lower part should be at least a quarter wave above a metal mount. Over all there has been good performance reports from the people that I have made then for. I hang mine out in the open and support then with a monofilament line during building and testing, I have made three with 450 ohm that was purchased and one for me that I made my own 450 line with 14ga copper weld. It has a wider spacing and was mounted on larger PVC conduit. Keep all conductors away from it and the SWR should not change.

KD0ZZ , Rich

I am not getting older but having a propagation problem with the neurons in the grey matter.

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Mark WC5M--- In ham-antennas@yahoogroups.com
<mailto:ham-antennas%40yahoogroups.com>
<mailto:ham-antennas%40yahoogroups.com> , "pcooke2002"
<Pcooke2002@...> wrote:
>
> I made a 2m slimjim from
http://www.hamuniverse.com/ke4nu450slimjim.html
>
> first question) Why do we connect the coax shielding to the short
> side? I would think that by connecting the shielding to the
antenna it
> would also radiate radio frequencies.
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> antenna?
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>
> When I hooked up the antenna to an antenna analyser. If I used a
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> coax to feed the antenna the SWR fluctuated wildly especially if
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> antenna moved. However with a long coax the SWR was always 1:1
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> extra test: the electrical charge important to radio is conducted
on
> the exterior surface of the wire. The antenna surface area remains
> constant.
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[Non-text portions of this message have been removed]

No virus found in this incoming message.
Checked by AVG.
Version: 7.5.524 / Virus Database: 270.3.0 - Release Date: 6/11/2008 12:00
AM

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

5112. 80m Zepp

Yahoo group: ham-antennas (2008)
Date: 2008-06-16 00:13:54 UTC
From: Joe - wb6agr
Topic: 5112 Message: 5112

Hi. I am looking at trying the MFJ 80m end fed Zepp, The antenna comes with 100 feet of feed line. This is somewhat long for my installation, anyone have any idea what the results would be if I shortened the Feed line to 50 or 60 feet ?

Joe WB6AGR

5113. Re: [ham-antennas] 80m Zepp

Yahoo group: ham-antennas (2008)
Date: 2008-06-16 01:39:48 UTC
From: vaclav sal
Topic: 5112 Message: 5113

The result - you may send it to me, I could use it in FD.
Just kidding.
I am assuming it is a twin lead ladder line already "notorious" for low loss.
Cutting it in half will sure improve feed line loss by half, but you may never notice it.
BTW ☐ how long (in wavelength) is your Zepp?
If everything goes according to plan I am going to put up phased array of two extended double Zepps on 40 meters on FD. I am very curious to test the actual radiating pattern.
On paper it looks ☐awesome☐ - over 12 dbi ☐gain☐. Pretty sharp for 40 meters, maybe too sharp Hi Hi.
Anyway ☐ cut away with gusto!
73 Vaclav AA7EJ

[Non-text portions of this message have been removed]

5114. Hi Ham Antenna Group

Yahoo group: ham-antennas (2008)
Date: 2008-06-16 03:03:48 UTC
From: Tom
Topic: 5114 Message: 5114

Hi Ham Antenna Group,

I am new to the group and a new general. Please see a diagram of my inverted V to loop conversion and my antenna system at:

http://ph.groups.yahoo.com/group/ham-antennas/photos/view/f4ef?b=1

http://ph.groups.yahoo.com/group/ham-antennas/photos/view/f4ef?b=2

Best DX contact so far has been ZL3SV(New Zealand) on 75 meters.
ZL3SV uses a 1500' center fed sloper.

May cycle 24 be kind to you.

Cheers.

Tom
KE6YNH, 73
San Diego, CA

[Non-text portions of this message have been removed]

5115. Newbe question

Yahoo group: ham-antennas (2008)
Date: 2008-06-16 16:40:04 UTC
From: cjmagnetman
Topic: 5115 Message: 5115

[Body unavailable in the source archive]

5116. Newbe question

Yahoo group: ham-antennas (2008)
Date: 2008-06-16 16:49:27 UTC
From: cjmagnetman
Topic: 5115 Message: 5116

With the recent talk about the 450 ohm J-pole.
I was thinking about placing one inside a fiberglass pole that i use
as a walking stick and connecting it to a bnc and using a 5 foot piece
of coax to connect with a handi when i needed somthing more than a
rubber duck. I was thinking of using the ARRL dualband out of 300 ohm
that is in the files section of this group. I was planning on using
foam to take up the slop between the pole and the ladderline to keep
it from banging around and some kind of loop to hang over a tree limb
when i needed to use it. Does anybody have any thoughts on this project?
Thanks
KE4KOX Chris.

5117. Re: [ham-antennas] 80m Zepp

Yahoo group: ham-antennas (2008)
Date: 2008-06-16 20:23:52 UTC
From: Ken Burchfield
Topic: 5112 Message: 5117

I can't say for sure: but you may like to check out the information on Dr. Ace's site
73 Ken

Dr.Aces WH2T Antenna InfoWith this antenna the feed line should be routed away from the antenna at a right angle for as great a distance as

possible. This will prevent current imbalance in the feed line caused by RF pickup from the antenna. A right-angle

departure of 1/4 wavelength or greater is suggested.

To avoid problems matching any center fed antenna with high impedance open wire lines, keep the feedline around

these lengths.

[The WORST POSSIBLE line lengths are shown in brackets]

160 meter antenna 35-60, 170-195 or 210-235 feet
[Avoid 130, 260 ft]

80 meter antenna 34-40, 90-102 or 160-172 feet
[Avoid 66, 135, 190 ft]

40 meter antenna 42-52, 73-83, 112-123 or 145-155 feet
[Avoid 32, 64, 96, 128 ft]

Some slight trimming or adding of feedline may be necessary to accommodate the higher frequency bands.

I currently use a 75 Meter Full Wave Delta Loop on the 6 thru 75 Meter bands with a tuner. I am very pleased with

it! I also currently use a 160 Meter 1/4 wave inverted L antenna.It will tune 6 thru 160 meter bands!

PacketRadio is Still Alive.....Mississippi.....145.010.....Simplex.....1200 Baud

----- Original Message ----
From: Joe - wb6agr <ktnjoepark@...>
To: ham-antennas@yahoogroups.com
Sent: Sunday, June 15, 2008 6:13:54 PM
Subject: [ham-antennas] 80m Zepp

Hi. I am looking at trying the MFJ 80m end fed Zepp, The antenna
comes with 100 feet of feed line. This is somewhat long for my
installation, anyone have any idea what the results would be if I
shortened the Feed line to 50 or 60 feet ?

Joe WB6AGR

[Non-text portions of this message have been removed]

5118. Re: [ham-antennas] 80m Zepp and ham radio urban myth

Yahoo group: ham-antennas (2008)
Date: 2008-06-17 00:37:28 UTC
From: vaclav sal
Topic: 5112 Message: 5118

Routing a feed line away from the antenna at right angle is OK.
Trimming the feedline for stated reasons is a ham radio urban myth and should be propagated as such especially to new hams.
For reference see Reflections II by W2DU
73 Vaclav AA7EJ

[Non-text portions of this message have been removed]

5119. Re: [ham-antennas] Re: I made my first antenna now have questions.

Yahoo group: ham-antennas (2008)
Date: 2008-06-17 08:16:51 UTC
From: Phil Bader
Topic: 5103 Message: 5119

I made it per instructions, and slipped in the pipe with no problems. Seems to be wide band enough. A good little project, not rocket science. I would consider putting it on a permanent mast. Doesn't seem to be critical in construction if instructions followed. I like mine. If anyone is anal, one could slip it in the PVC tube and check SWR during building. I didn't,and was fine, velocity factors be damned!
;-)
Phil B
Philip Bader
Polk County School Board
Intercom & Fire Alarm Electronics Systems Tech
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakelandarc.org/
pbader@...

----- Original Message -----
From: Rich Schmuke
To: ham-antennas@yahoogroups.com
Sent: Sunday, June 15, 2008 7:28 PM
Subject: RE: [ham-antennas] Re: I made my first antenna now have questions.

Phil , did you come up with any numbers or percentages for dimensions when you put it in the PVC. I have always found the SWR to change inside of PVC. Inside would look nicer inside then tie wrapped to the outside like mine.

Rich , Kd0zz

As an act of plagiarism . Disclaimer: Any errors in spelling or facts are transmission errors.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Phil Bader
Sent: Sunday, June 15, 2008 10:57 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: I made my first antenna now have questions.

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Philip Bader
Polk County School Board
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Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakelandarc.org/
pbader@... <mailto:pbader%40tampabay.rr.com>

----- Original Message -----
From: Rich Schmuke
To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
Sent: Sunday, June 15, 2008 9:31 AM
Subject: RE: [ham-antennas] Re: I made my first antenna now have questions.

I have made 4 different "Slim Jims". They are all very susceptible to detuning if any thing is close by so the short coax can be a problem. The lower part should be at least a quarter wave above a metal mount. Over all there has been good performance reports from the people that I have made then for. I hang mine out in the open and support then with a monofilament line during building and testing, I have made three with 450 ohm that was purchased and one for me that I made my own 450 line with 14ga copper weld. It has a wider spacing and was mounted on larger PVC conduit. Keep all conductors away from it and the SWR should not change.

KD0ZZ , Rich

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Mark WC5M--- In ham-antennas@yahoogroups.com
<mailto:ham-antennas%40yahoogroups.com>
<mailto:ham-antennas%40yahoogroups.com> , "pcooke2002"
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> antenna moved. However with a long coax the SWR was always 1:1
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[Non-text portions of this message have been removed]

No virus found in this incoming message.
Checked by AVG.
Version: 7.5.524 / Virus Database: 270.3.0 - Release Date: 6/11/2008 12:00
AM

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

No virus found in this incoming message.
Checked by AVG.
Version: 8.0.100 / Virus Database: 270.3.0/1504 - Release Date: 6/15/2008 5:52 PM

[Non-text portions of this message have been removed]

5120. Re: [ham-antennas] 80m Zepp and ham radio urban myth

Yahoo group: ham-antennas (2008)
Date: 2008-06-17 13:02:42 UTC
From: Chris
Topic: 5112 Message: 5120

Until you are talking about open wire or window line at 450 Ohm or so, then the length of the transmission line can be manipulated as a matching stub.

A Zepp fed with coax, often uses window line as a matching stub and the length is critical based on the single band the Zepp is cut for. It brings a match for 5/8 wl each leg dipole to coax at ~50 Ohm for the given band. We're not talking about a plain dipole cut to resonance with 1/4 wl legs.

An end fed Zepp fed with window line direct from a tuner can also have issues depending on the transmission line length due to the transmission line radiating if it is cut to the wrong resonant length.

It all depends on the context.

On Mon, Jun 16, 2008 at 8:37 PM, vaclav sal <vaclav_sal@...> wrote:
> Routing a feed line away from the antenna at right angle is OK.
> Trimming the feedline for stated reasons is a ham radio urban myth and should be propagated as such especiaZlly to new hams.
> For reference see Reflections II by W2DU
> 73 Vaclav AA7EJ
>
>
>
>
>
>
>
> [Non-text portions of this message have been removed]
>
>
> ---
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 974 members (as of 11/07/07, and attachments are NOT permitted.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
>

5121. Re: [ham-antennas] 80m Zepp and ham radio urban myth

Yahoo group: ham-antennas (2008)
Date: 2008-06-17 21:59:23 UTC
From: ktnjoepark@aol.com
Topic: 5112 Message: 5121

Thanks all for the help and information. I will study through it , MFJ sa
id that would be a No-No

Joe WB6AGR

In a message dated 6/16/2008 5:37:44 P.M. Pacific Daylight Time,
vaclav_sal@... writes:

Routing a feed line away from the antenna at right angle is OK.
Trimming the feedline for stated reasons is a ham radio urban myth and
should be propagated as such especially to new hams.
For reference see Reflections II by W2DU
73 Vaclav AA7EJ

[Non-text portions of this message have been removed]

**********Gas prices getting you down? Search AOL Autos for
fuel-efficient used cars. (http://autos.aol.com/used?ncid=aolaut00050000000007)

[Non-text portions of this message have been removed]

5122. RE: [ham-antennas] 80m Zepp and ham radio urban myth

Yahoo group: ham-antennas (2008)
Date: 2008-06-19 15:32:22 UTC
From: Kirk Morrison
Topic: 5112 Message: 5122

Sometimes weird things happen and an antenna that doesn't work needs to be modified. I have had to do it with doublets and other antennas that use open wire, as well as coax. I first make sure the feedline is not missmeasured then work from there. Sometimes you will find a change in the velocity factor of the openwire, some are only 80% and are listed over 90%, other times you will find other things detuning the antenna conductive dirt is one. Cleaning and waxing the line can have a real effect on open wire antennas that don't like to tune. Me I am going to build a 3 band beam for HF and run and reversable wire beam NS and EW for 40 and 80 so back to making insulators out of Plexiglass.

Kirk KA4PXK

_____
The other season of giving begins 6/24/08. Check out the i’m Talkathon.
http://www.imtalkathon.com?source=TXT_EML_WLH_SeasonOfGiving

5123. Skeleton Slot Fed Yagi.....WANTED

Yahoo group: ham-antennas (2008)
Date: 2008-06-19 15:45:28 UTC
From: Chris Moore
Topic: 5123 Message: 5123

Hi ppl I have here a 8x8 slot fed yagi and am looking for another but they are like rocking horse poo. Anybody know anywhere we can still buy them ?

M3XLG
IO83WW

5124. RE: [ham-antennas] 80m Zepp and ham radio urban myth

Yahoo group: ham-antennas (2008)
Date: 2008-06-19 15:45:41 UTC
From: vaclav sal
Topic: 5112 Message: 5124

,,,and the ham radio antenna urban legends continue to spread...

Do not forget scout□s best and only tools!
Duct tape and WD 40!

73 ½ Vaclav AA7EJ

Kirk Morrison <ka4pxk@...> wrote:

Sometimes weird things happen and an antenna that doesn't work needs to be modified. I have had to do it with doublets and other antennas that use open wire, as well as coax. I first make sure the feedline is not missmeasured then work from there. Sometimes you will find a change in the velocity factor of the openwire, some are only 80% and are listed over 90%, other times you will find other things detuning the antenna conductive dirt is one. Cleaning and waxing the line can have a real effect on open wire antennas that don't like to tune. Me I am going to build a 3 band beam for HF and run and reversable wire beam NS and EW for 40 and 80 so back to making insulators out of Plexiglass.

Kirk KA4PXK

The other season of giving begins 6/24/08. Check out the i□m Talkathon.
http://www.imtalkathon.com?source=TXT_EML_WLH_SeasonOfGiving

[Non-text portions of this message have been removed]

5125. 6 meters on ARRL Field Day ??

Yahoo group: ham-antennas (2008)
Date: 2008-06-19 15:57:32 UTC
From: vaclav sal
Topic: 5123 Message: 5125

Never "worked" 6 meters and would like to try in next Field Day.
Are there much activities on this "TV" band during Field Day?

Not counting plain dipole - what is the basic and simple 6 meter antenna to homebrew?
Does polarization matter? Would vertical double extended Zepp hanging from a big Texas oak tree do?

73 Vaclav AA7EJ Cypress TX

[Non-text portions of this message have been removed]

5126. RE: [ham-antennas] 80m Zepp and ham radio urban myth

Yahoo group: ham-antennas (2008)
Date: 2008-06-19 16:06:21 UTC
From: Kirk Morrison
Topic: 5112 Message: 5126

When your analyer shows a different factor from the published one, it does effect the electrical length. 99% of the time the length doesn't need to be changed, but when an antenna cut and built to the published info from several sources doen't work as in the thing wont load, there has to be a problem, be it coax or ladder line. I have a doublet, 102 feet in length feed with a length of ladder line 45 feet, it should load, it would fine according to the charts, but the velocity factor is closer to 80% instead of 95% that is a 15% difference which makes it see almost a half wave at 40 and a quater wave at 80 which does cause interactions. I agree most of the time, the feedline is the last thing you should fool with, just like the carb on a car, but sometimes it is needed not often. It isn't a total urban legend, you just need to confirm and adjust some time, the theory to the real world, velocity factors do matter.

Kirk KA4PXK

_____
> To: ham-antennas@yahoogroups.com
> From: vaclav_sal@...
> Date: Thu, 19 Jun 2008 08:45:41 -0700
> Subject: RE: [ham-antennas] 80m Zepp and ham radio urban myth
>
>
> ,,,and the ham radio antenna urban legends continue to spread...
>
> Do not forget scout’s best and only tools!
> Duct tape and WD 40!
>
> 73 ½ Vaclav AA7EJ
>
>
>
>
> Kirk Morrison> wrote:
>
> Sometimes weird things happen and an antenna that doesn't work needs to be modified. I have had to do it with doublets and other antennas that use open wire, as well as coax. I first make sure the feedline is not missmeasured then work from there. Sometimes you will find a change in the velocity factor of the openwire, some are only 80% and are listed over 90%, other times you will find other things detuning the antenna conductive dirt is one. Cleaning and waxing the line can have a real effect on open wire antennas that don't like to tune. Me I am going to build a 3 band beam for HF and run and reversable wire beam NS and EW for 40 and 80 so back to making insulators out of Plexiglass.
>
> Kirk KA4PXK
> _____
> The other season of giving begins 6/24/08. Check out the i’m Talkathon.
> http://www.imtalkathon.com?source=TXT_EML_WLH_SeasonOfGiving

> ----------
>
> [Non-text portions of this message have been removed]
>
>
>

_____
Introducing Live Search cashback . It's search that pays you back!
http://search.live.com/cashback/?&pkw=form=MIJAAF/publ=HMTGL/crea=introsrchcashback

5127. RE: [ham-antennas] 80m Zepp and ham radio urban myth

Yahoo group: ham-antennas (2008)
Date: 2008-06-19 16:14:32 UTC
From: Commander John
Topic: 5112 Message: 5127

Every inch makes a difference.
john w9zy

vvvvvvvvvvvvv w9zy

W9ZY
.... Commander John ....

[Non-text portions of this message have been removed]

5128. Re: [ham-antennas] 6 meters on ARRL Field Day ??

Yahoo group: ham-antennas (2008)
Date: 2008-06-19 18:19:03 UTC
From: James
Topic: 5123 Message: 5128

I will be setting up my IC-551 for field day with a 5 element yagi.
I should be on or around 50.125 ssb
Northeast Georgia Amateur Radio Club - N4G Special event callsign
www.ne4ga.org

James
KB7TBT
NEGARC Event Manager
www.kb7tbt.com
www.myspace.com/kb7tbt

> Never "worked" 6 meters and would like to try in next Field Day.
> Are there much activities on this "TV" band during Field Day?
>
> Not counting plain dipole - what is the basic and simple 6 meter antenna
> to homebrew?
> Does polarization matter? Would vertical double extended Zepp hanging
> from a big Texas oak tree do?

5129. Zenith and Electronics books for sale

Yahoo group: ham-antennas (2008)
Date: 2008-06-20 03:22:56 UTC
From: mitchnozka
Topic: 5129 Message: 5129

Hi all,

I am selling off my remaining collection of Zenith/Heath and electronics-related books as I have graduated college and need to find an apartment.

The costs are as follows: (ALL PRICES INCLUDE SHIPPING WITHIN THE US)
One book is $3.00.
Each additional book is $2.50 (except for a few books which are marked with different prices)
Buy five books, get a sixth FREE.

If you have any questions, please feel free to email me at mitchnozka@gmail.com. Remember, shipping is FREE!

Thanks!

Mitch Nozka
mitchnozka@...m
mitchnozka(at)gmail(dot)com

AC Electronics - 1978 - EB-6102 ($5)
AC Electronics Student Workbook - 1978 - EB-6102-40 ($5)
-(qty 1) Advanced Microprocessors - Book 1 - 1987 - EB-8088
-(qty 4) AC Electronics - Student Workbook - 1987 - EB-6102-41
-(qty 2) Computer Servicing Peripherals ☐ one new sealed in plastic, one missing cover
DC Electronics - 1978 - EB-6101 ($5)
-(qty 8) Digital Techniques - Book 2 - 1987 - EB6201-A
-(qty 10) Digital Techniques - Lab Experiments - 1987 - EB-6201-71
-(qty 9) Digital Techniques - Student Workbook - 1987 - EB6201-41 (4 new in plastic)
-(qty 6) Electronic Circuits - Student Workbook - 1986 - EB-6104-41
Electronic Communications - 1983 - EB-6106 ($5)
-(qty 14) Electronic Test Equipment - Book 2 - 1986 - EB-6105
(qty 13) Electronic Test Equipment - Student Workbook - 1986 - EB-6105-40
-(qty 6) Semiconductor Devices - Student Workbook - 1986 - EB6103-41

All About Home Satellite Television - Cook, Vaughan - 1983
The Art of Electronics ☐ Horowitz, Hill ☐ 1989 ($25)
Application of Electronics ☐ Grob, Kiver - 1960
Basic Electricity - Bureau of Naval Personnel - 1969 - $10.00
(qty 2) Basic Mathematics for Electricity and Electronics - Bertrand Singer - 1972
Circuit Concepts: Direct and Alternating Current ☐ Kubala - 1976
(qty 8) Digital - Systems, Logic and Applications - Adamson - 1989

(qty 1) Electricity-Electronics Fundamentals - Text-Lab Manual - Zbar, Sloop - 1986
(qty 3) Electronics Fundamentals - Circuits, Devices, and Applications - Floyd - 2001
(qty 15) Experiments in Digital Principles - Leach - 1976
General Electronics Circuits ☐ DeFrance - 1963
Grob Basic Electronics ☐ Grob - 1992
IBM Disk Operating System (DOS) 3.30 Reference Guide in 3-ring binder
I Speak Basic to my Commodore64 - Jones - 1984
(qty 15) Mathematics For Basic Electronics ☐ Grob - 1986
McGraw-Hill Encyclopedia of Electronics and Computers - Parker - 1984
Pascal - Heiserman - 1980
The Personal Computer: Operating, Troubleshooting, and Upgrading - Awwad - 1998
Physical Science Electricity and Magnetism - 1992
(qty 13) Smart House Wiring - Stauffer, Mullin - 1993
Software Goes to School - Perkins, Schwartz - 1995
(qty 15) Solid-State Electronics - Tedeschi, Taber - 1976
Spotlight on Computer Literacy - Richman - 1982
Structuring Programs in Microsoft Basic - Cox, Sullivan - 1986
(qty 4) Technical Mathematics - Robert Smith - 1996
Telecommunication Cable Installer Technician - Student Manual - McGrawHill - 2002
Today's Electronic Office - Teacher's Ed. - Fruehling, Weaver - 1992
Understanding By Design - Wiggins, McTighe - 1998
Understanding by Design Handbook - McTighe, Wiggins - 1999

5130. Re: 6 meters on ARRL Field Day ??

Yahoo group: ham-antennas (2008)
Date: 2008-06-20 15:05:53 UTC
From: james27613
Topic: 5123 Message: 5130

Hi,

visit www.cebik.com you will need to register online,
no cost to do so, then you can access a wealth of antenna info.

Take a look at the Moxon for 6 meters

http://www.cebik.com/content/a10/moxon/6m.html

I built one with # 12 thhn copper wire, direct fed
with 50 ohm coax, no matching needed, works great,
built a second using 1/2" aluminum tubing.

Listen for W4DW 7A on 6M and all bands all modes.

73 james ke4drn

5131. Want to buy DELTA-4C Coax (antenna) switch

Yahoo group: ham-antennas (2008)
Date: 2008-06-20 15:23:00 UTC
From: N3UJJ (Scott Gillis)
Topic: 5131 Message: 5131

I'm looking to buy an Alpha Delta 4C Antenna Switch Console, but they have been discontinued.

If anyone has one, or knows of one for sale, please contact me off-list

Scott Gillis N3UJJ
n3ujj@...
My Current Location <http://location.n3ujj.com>
My Amateur Weather Station <http://weather.n3ujj.com/>

[Non-text portions of this message have been removed]

5132. screw drive antenna used for fix vertical

Yahoo group: ham-antennas (2008)
Date: 2008-06-20 18:35:13 UTC
From: Ted
Topic: 5132 Message: 5132

I was wanting to know it any of the group has used their moblie hf screw driver as a base vertical antenna. What was the pros vs.cons what type of raicals where used raised or in ground and how many, heightof antenna,which bands was it used on? An. other issues that came into play. I have a hf screw driver not being used just want to put it to work. thanks wa4tc@bellsouth.net

5133. Re: [ham-antennas] Matching 75ohm to 50ohm

Yahoo group: ham-antennas (2008)
Date: 2008-06-21 11:33:59 UTC
From: Phil Bader
Topic: 5053 Message: 5133

Rob, a dipole erected horizontally is actually supposed to be 75 ohms. It's when you begin to invert-vee the dipole that it comes closer to 50 ohms,as I understand. I'm no expert, but when one is using a radiator for more than one frequency the impedence varies all over, if I remember correctly...
Do I have this right,folks?
I wouldn't sweat it.
Phil B
Philip Bader
Polk County School Board
Intercom & Fire Alarm Electronics Systems Tech
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakelandarc.org/
pbader@...

----- Original Message -----
From: Rob Thomson
To: ham-antennas@yahoogroups.com
Sent: Tuesday, June 03, 2008 7:41 AM
Subject: [ham-antennas] Matching 75ohm to 50ohm

Dear Group

I have searched the archives but found no suggestions on this one...
does anyone have any ideas for matching 75ohm coax to the 50ohm
connection on the transceiver?

As I work in the cable industry, I have a plentiful supply of low-loss
75ohm coax and am using it to feed various dipoles (inherently 75-ohm
impedence in any case). I don't seem to be able to find any
instructions for a suitable "un-un" (other than single frequency stubs).

Any suggestions welcome.

Regards
Rob, G4LMW

Any suggestions welcome.

No virus found in this incoming message.
Checked by AVG.
Version: 7.5.524 / Virus Database: 269.24.6/1480 - Release Date: 6/3/2008 7:00 AM

No virus found in this outgoing message.
Checked by AVG.
Version: 8.0.100 / Virus Database: 270.4.1/1511 - Release Date: 6/20/2008 11:52 AM

[Non-text portions of this message have been removed]

5134. Re: [ham-antennas] Beam

Yahoo group: ham-antennas (2008)
Date: 2008-06-21 11:41:18 UTC
From: Phil Bader
Topic: 5056 Message: 5134

Electrically no difference. Practically, mount the elements on top. The boom will help support them,whereas mounting them underneath you are completely dependent on the nuts/bolts attaching them to the boom. It's just good practice. I also used to spray my assembled antennas with a good clear polyurethane arosol that was made for antennas,but any good outdoor type will do.This seals the aluminum from corrosion, and helps keep connections, hardware,etc protected from salts,acid rain, electrolysis, etc. (don't spray threaded connections intended for coax PL259's until after assembly.)

Phil B
Philip Bader
Polk County School Board
Intercom & Fire Alarm Electronics Systems Tech
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakelandarc.org/
pbader@...

----- Original Message -----
From: k9ttt@...
To: ham-antennas
Sent: Tuesday, June 03, 2008 2:58 PM
Subject: [ham-antennas] Beam

When constructing (my case reassboling), should the elements be mounted on top of the boom or the bottom? Or does it make a diff?

Dale K9TTT
Jackson, MI

[Non-text portions of this message have been removed]

No virus found in this incoming message.
Checked by AVG.
Version: 7.5.524 / Virus Database: 269.24.6/1480 - Release Date: 6/3/2008 7:00 AM

No virus found in this outgoing message.
Checked by AVG.
Version: 8.0.100 / Virus Database: 270.4.1/1511 - Release Date: 6/20/2008 11:52 AM

[Non-text portions of this message have been removed]

5135. New member

Yahoo group: ham-antennas (2008)
Date: 2008-06-21 12:35:18 UTC
From: John Hurley
Topic: 5135 Message: 5135

[Non-text portions of this message have been removed]

5136. Re: [ham-antennas] Matching 75ohm to 50ohm

Yahoo group: ham-antennas (2008)
Date: 2008-06-21 14:54:49 UTC
From: vaclav sal
Topic: 5053 Message: 5136

As mentioned - you may be splitting hair but try this
http://www.seed-solutions.com/gregordy/Software/SMC.htm,
AA7EJ Vaclav

[Non-text portions of this message have been removed]

5137. RE: [ham-antennas] New member

Yahoo group: ham-antennas (2008)
Date: 2008-06-21 15:52:27 UTC
From: Rich Schmuke
Topic: 5135 Message: 5137

Hi John ,

KD0ZZ , Rich

I am not getting older but having a propagation problem with the neurons in the grey matter.

Any errors in spelling or facts are tramsmission errors

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of John Hurley
Sent: Saturday, June 21, 2008 7:35 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] New member

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

5138. RE: [ham-antennas] Beam

Yahoo group: ham-antennas (2008)
Date: 2008-06-21 16:06:18 UTC
From: Rich Schmuke
Topic: 5056 Message: 5138

Phil has some good points. I would like to add another small one. Where you can, always install the bolts with the nuts on top. this way if you loose one you can see a clear hole. With the nuts all on the lower side , if vibration is a problem you wont know until the last one fails. When I was working and we built fatigue testing assemblies this was some thing we always did. Also you cant do a partial assembly , put something together and forget the nuts if they are on top.

Rich , Kd0zz

As an act of plagiarism . Disclaimer: Any errors in spelling or facts are transmission errors.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Phil Bader
Sent: Saturday, June 21, 2008 6:41 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Beam

Electrically no difference. Practically, mount the elements on top. The boom will help support them,whereas mounting them underneath you are completely dependent on the nuts/bolts attaching them to the boom. It's just good practice. I also used to spray my assembled antennas with a good clear polyurethane arosol that was made for antennas,but any good outdoor type will do.This seals the aluminum from corrosion, and helps keep connections, hardware,etc protected from salts,acid rain, electrolysis, etc. (don't spray threaded connections intended for coax PL259's until after assembly.)
Phil B
Philip Bader
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Intercom & Fire Alarm Electronics Systems Tech
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakelandarc.org/
pbader@... <mailto:pbader%40tampabay.rr.com>

----- Original Message -----
From: k9ttt@... <mailto:k9ttt%40comcast.net>
To: ham-antennas
Sent: Tuesday, June 03, 2008 2:58 PM
Subject: [ham-antennas] Beam

When constructing (my case reassboling), should the elements be mounted on top of the boom or the bottom? Or does it make a diff?
Dale K9TTT

Jackson, MI

[Non-text portions of this message have been removed]

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11:52 AM

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

5139. Bird Model 43 problem

Yahoo group: ham-antennas (2008)
Date: 2008-06-22 21:50:47 UTC
From: lecontejoe
Topic: 5139 Message: 5139

This question may not be completely on-topic for this group but this is the only place I know to go for help.

My Bird Model 43 is driving me nuts -- it won't work reliably.

First, the history. I purchased my Bird in the mid-1990's, used it regularly for a few years, then packed it away and stored it while I moved to a subdivision with antenna restrictions; moved to an apartment; moved to the Mississippi Gulf Coast; lost a battle with Hurricane Katrina; finally unpacked the Bird after about 8 years in storage.

I can't make it work reliably. As you Bird owners know, the Model 43 uses slugs for various freq and power ranges. The slugs have a small contact spot on them that makes contact with a tiny spring finger inside the meter. On my meter, the spring contact won't make contact.

If I reach inside the hole where the slug is inserted and pull the spring out so it makes contact with the slug, then, I can't insert the slug because the spring finger is in the way. If I bend the spring finger in so the slug can be inserted, the spring finger is not making contact with the slug and the meter won't work.

I can open the meter, fiddle around with the spring, close the meter, try it -- if it works, fine, if not, open the meter, fiddle around, try again.

And -- once I get it working, if I leave it sitting for a few days and come back, it's not working and I have to go through the open-fiddle around-try again process.

When I am not using the meter, I insert the dummy slug that came with it -- which is what the instructions say to do.

Anyone have any suggestions???

Please don't tell me to call Bird -- I tried that -- their customer service is as close to zero as you can get and their repair costs are out of sight, at least for an amateur and occasional user.

Thanks.

5140. Re: [ham-antennas] Bird Model 43 problem

Yahoo group: ham-antennas (2008)
Date: 2008-06-22 22:21:50 UTC
From: Ruben Echevarria
Topic: 5139 Message: 5140

If the spring has an opening at the tip you could screw in a sheet metal screw maybe even a machine screw that would raise the height of the spring tip.

Ruben Echevarria KA2HHB
SKCC #2132 EPC#3390
10-10 International Club #33308

----- Original Message ----
From: lecontejoe <joe@...>
To: ham-antennas@yahoogroups.com
Sent: Sunday, June 22, 2008 5:50:47 PM
Subject: [ham-antennas] Bird Model 43 problem

This question may not be completely on-topic for this group but this is the only place I know to go for help.

My Bird Model 43 is driving me nuts -- it won't work reliably.

First, the history. I purchased my Bird in the mid-1990's, used it regularly for a few years, then packed it away and stored it while I moved to a subdivision with antenna restrictions; moved to an apartment; moved to the Mississippi Gulf Coast; lost a battle with Hurricane Katrina; finally unpacked the Bird after about 8 years in storage.

I can't make it work reliably. As you Bird owners know, the Model 43 uses slugs for various freq and power ranges. The slugs have a small contact spot on them that makes contact with a tiny spring finger inside the meter. On my meter, the spring contact won't make contact.

If I reach inside the hole where the slug is inserted and pull the spring out so it makes contact with the slug, then, I can't insert the slug because the spring finger is in the way. If I bend the spring finger in so the slug can be inserted, the spring finger is not making contact with the slug and the meter won't work.

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And -- once I get it working, if I leave it sitting for a few days and come back, it's not working and I have to go through the open-fiddle around-try again process.

When I am not using the meter, I insert the dummy slug that came with it -- which is what the instructions say to do.

Anyone have any suggestions? ??

Please don't tell me to call Bird -- I tried that -- their customer service is as close to zero as you can get and their repair costs are out of sight, at least for an amateur and occasional user.

Thanks.

[Non-text portions of this message have been removed]

5141. Re: Bird Model 43 problem

Yahoo group: ham-antennas (2008)
Date: 2008-06-23 03:45:04 UTC
From: Barry L. Hoffman
Topic: 5139 Message: 5141

Well, since you already called Bird and didn't like their repair costs....

Find a "professional frequent user" that wants to buy a broken wattmeter. They will most likely gladly pay Bird to repair it.

Or...you could find another "ocasional amateur user" that doesn't want to pay to have their quality meter repaired also, and you can buy the broken one from him/her. Then you could the pair as a set of book ends.

Then buy a wattmeter that is intended for "ocasional amateur users" from MFJ.

K7BLH
Barry

--- In ham-antennas@yahoogroups.com, "lecontejoe" <joe@...> wrote:
>
> This question may not be completely on-topic for this group but this
> is the only place I know to go for help.
>
> My Bird Model 43 is driving me nuts -- it won't work reliably.
>
> First, the history. I purchased my Bird in the mid-1990's, used it
> regularly for a few years, then packed it away and stored it while I
> moved to a subdivision with antenna restrictions; moved to an
> apartment; moved to the Mississippi Gulf Coast; lost a battle with
> Hurricane Katrina; finally unpacked the Bird after about 8 years in
> storage.
>
> I can't make it work reliably. As you Bird owners know, the Model 43
> uses slugs for various freq and power ranges. The slugs have a small
> contact spot on them that makes contact with a tiny spring finger
> inside the meter. On my meter, the spring contact won't make contact.
>
> If I reach inside the hole where the slug is inserted and pull the
> spring out so it makes contact with the slug, then, I can't insert
> the slug because the spring finger is in the way. If I bend the
> spring finger in so the slug can be inserted, the spring finger is
> not making contact with the slug and the meter won't work.

>
> I can open the meter, fiddle around with the spring, close the
meter,
> try it -- if it works, fine, if not, open the meter, fiddle around,
> try again.
>
> And -- once I get it working, if I leave it sitting for a few days
> and come back, it's not working and I have to go through the open-
> fiddle around-try again process.
>
> When I am not using the meter, I insert the dummy slug that came
with
> it -- which is what the instructions say to do.
>
> Anyone have any suggestions???
>
> Please don't tell me to call Bird -- I tried that -- their customer
> service is as close to zero as you can get and their repair costs
are
> out of sight, at least for an amateur and occasional user.
>
>
> Thanks.
>

5142. Re: Bird Model 43 problem

Yahoo group: ham-antennas (2008)
Date: 2008-06-23 18:16:16 UTC
From: w8nf
Topic: 5139 Message: 5142

--- In ham-antennas@yahoogroups.com, "lecontejoe" <joe@...> wrote:
>
> This question may not be completely on-topic for this group but this
> is the only place I know to go for help.
>
> My Bird Model 43 is driving me nuts -- it won't work reliably.
>
> First, the history. I purchased my Bird in the mid-1990's, used it
> regularly for a few years, then packed it away and stored it while I
> moved to a subdivision with antenna restrictions; moved to an
> apartment; moved to the Mississippi Gulf Coast; lost a battle with
> Hurricane Katrina; finally unpacked the Bird after about 8 years in
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>
> I can't make it work reliably. As you Bird owners know, the Model 43
> uses slugs for various freq and power ranges. The slugs have a small
> contact spot on them that makes contact with a tiny spring finger
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> spring out so it makes contact with the slug, then, I can't insert
> the slug because the spring finger is in the way. If I bend the
> spring finger in so the slug can be inserted, the spring finger is
> not making contact with the slug and the meter won't work.
>
> I can open the meter, fiddle around with the spring, close the meter,
> try it -- if it works, fine, if not, open the meter, fiddle around,
> try again.
>
> And -- once I get it working, if I leave it sitting for a few days
> and come back, it's not working and I have to go through the open-
> fiddle around-try again process.
>
> When I am not using the meter, I insert the dummy slug that came with
> it -- which is what the instructions say to do.
>
> Anyone have any suggestions???
>
> Please don't tell me to call Bird -- I tried that -- their customer
> service is as close to zero as you can get and their repair costs are
> out of sight, at least for an amateur and occasional user.
>
>
> Thanks.
>

That spring finger is part of the "line section". I bought a line section for my Bird 43 from Henry Radio for about $60 and it's a straightforward bolt-in repair. Henry Radio sells Bird parts on ebay. I don't think Bird offers or sells individual parts of these "line sections".

Dave W8NF

5143. Re: screw drive antenna used for fix vertical

Yahoo group: ham-antennas (2008)
Date: 2008-06-23 18:36:54 UTC
From: Barry L. Hoffman
Topic: 5132 Message: 5143

Ted,

There was an artical recently (in the past 3 mo.) in QST (I think, or maybe CQ) about a Ham that lives in condo with strict restrictions that uses a screwdriver vertical camoflaged with a fiberglass shroud to make it look and function as a flag pole. He put the radials under loose gravel or along side of the sidewalk.

K7BLH
Barry

--- In ham-antennas@yahoogroups.com, "Ted" <wa4tc@...> wrote:
>
> I was wanting to know it any of the group has used their moblie hf
> screw driver as a base vertical antenna. What was the pros vs.cons
what
> type of raicals where used raised or in ground and how many,
heightof
> antenna,which bands was it used on? An. other issues that came into
> play. I have a hf screw driver not being used just want to put it to
> work. thanks wa4tc@...
>

5144. M3KXZ

Yahoo group: ham-antennas (2008)
Date: 2008-06-23 18:59:49 UTC
From: Clive Lorton
Topic: 5144 Message: 5144

There's an interesting article in the Antenna section of Radcom about a vertical antenna by M3KXZ. It's not possible to see Radcom article on line but M3KXZ has a description here htp://www.outsideshack.com/no_counterpoise_phased_array.pdf.
L.B. Cebik W4RNL sadly SK has written it up on his web site
http://www.cebik.com/content/a10/wire/m3kxz.html
My question is: due to restrictions ie XYL, neighbours and plot size the best area for me to build is on a six foot wooden fence.
Does anyone have any idea how this might effect the performance?

Clive G8POC

5145. RE: [ham-antennas] M3KXZ

Yahoo group: ham-antennas (2008)
Date: 2008-06-23 19:53:08 UTC
From: Callum M0MCX
Topic: 5144 Message: 5145

I'm built zillions of verticals. A six foot wooden fence would be
practically completely transparent, so just go build it.

By the way, I couldn't get the link to work.

Callum McCormick

http://www.m0mcx.co.uk/

I have a wonderful proof, but this sig block is too small to hold it.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On
Behalf Of Clive Lorton
Sent: 23 June 2008 20:00
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] M3KXZ

There's an interesting article in the Antenna section of Radcom about a
vertical
antenna by M3KXZ. It's not possible to see Radcom article on line but M3KXZ
has
a description here
htp://www.outsideshack.com/no_counterpoise_phased_array.pdf.
L.B. Cebik W4RNL sadly SK has written it up on his web site
http://www.cebik.com/content/a10/wire/m3kxz.html
My question is: due to restrictions ie XYL, neighbours and plot size the
best
area for me to build is on a six foot wooden fence.
Does anyone have any idea how this might effect the performance?

Clive G8POC

[Non-text portions of this message have been removed]

5146. Re: [ham-antennas] M3KXZ

Yahoo group: ham-antennas (2008)
Date: 2008-06-23 21:22:34 UTC
From: Clive Lorton
Topic: 5144 Message: 5146

Callum wrote:By the way, I couldn't get the link to work.

Callum try this http://www.outsideshack.com/no_counterpoise_phased_array.pdf you need to register for the W4RNL site but its worth it.

Clive G8POC
NB Peter Duck

[Non-text portions of this message have been removed]

5147. mfj 1777

Yahoo group: ham-antennas (2008)
Date: 2008-06-23 22:41:02 UTC
From: Gary
Topic: 5147 Message: 5147

I have a MFJ 1777 all band doubet

It will turn 40 thur 6 meter fine but will dot turn 75 meter.

I put my MFJ 269 on it and on 3.8 mhz show swr 26 to 1. any help

5148. Re: M3KXZ

Yahoo group: ham-antennas (2008)
Date: 2008-06-24 08:31:21 UTC
From: keepwalking188
Topic: 5144 Message: 5148

Hi Clive,

I'm not sure what your design objectives are, but if you have access to an attic, then I have a great recommendation.

It's a extended-double-zepp center fed for 20m.

The results have been far beyond my expectations, especially considering the lousy condition of the bands at this point in the sunspot cycle.

The idea is based on a Cebik article on "the best multiband backup antenna." I hunted a long time and this was the winner for my choice. In his article he makes the case for it - it's worth registering on his site to gain access.

The overall length recommended by Cebik is 88'. But I don't quite have enough to spread it out in the attic of my small house. So I have it setup as a sort-of inverted-v with the ends ran in a zig-zag pattern starting about 1/2 down the slope on each side. I tried to make each half as symetrical as possible, but it's not very close. And to offset the end effects of the zig-zag, I guessed and made the total length 92'. The high current part of the antenna is from the center outward, so that's the important part to keep as straight as possible. The ends are less important.

In my case, it's fed with 450 ohm ladder line down to my basement. Where I have a MFJ-993B autotuner with a 4:1 current balun built-in. Coax fed from that point into the shack.

It will tune all bands with less than 2:1 SWR; but 80 and 160m performance is not good, of course. On 20/30m, the performance is just outstanding!

In the first month of using this, I racked up 15 different DX countries with my FT2K barefoot and in perhaps 10 hours of operation.

When I move into a "real QTH", I hope to put up a full-sized double-extended-zepp on 80M. Too bad Cebik is SK. He really was the Antenna Godfather....

73/jeff/ac0c

--- In ham-antennas@yahoogroups.com, "Clive Lorton" <clive@...> wrote:
>
> There's an interesting article in the Antenna section of Radcom about a vertical
> antenna by M3KXZ. It's not possible to see Radcom article on line

but M3KXZ has
> a description here
htp://www.outsideshack.com/no_counterpoise_phased_array.pdf.
> L.B. Cebik W4RNL sadly SK has written it up on his web site
> http://www.cebik.com/content/a10/wire/m3kxz.html
> My question is: due to restrictions ie XYL, neighbours and plot size
the best
> area for me to build is on a six foot wooden fence.
> Does anyone have any idea how this might effect the performance?
>
> Clive G8POC
>

5149. Zepp rediscovered?

Yahoo group: ham-antennas (2008)
Date: 2008-06-24 14:00:49 UTC
From: vaclav sal
Topic: 5144 Message: 5149

I love this recent interest in Zepp. Had one for few weeks "cut" for 20 meters and it worked as expected.
But testing antennas in lousy conditions is a frustrating affair.

One thing bothers me - I believe Zepp was "invented" because it was mechanically practical as a "trailing airborne antenna". Also in "glow in the dark" radio days the finals were of high impedance - maybe easier to match to high impedance end fed antenna.

It seems unnecessary and technically awkward to use high impedance antenna, feed it with 450 ohms ladder line and then transfer this to 50 ohms to make "modern" transmitter happy using balun and antenna tuner.
Kinda long way around the barn.
There is no question that the radiation pattern of double extended Zepp differs from plain dipole, however, is it really an efficient single band antenna with all this additional hardware?

I think real on the air comparison with center fed dipole would answer this question. Of course only on fundamental frequency.

BTW
Is double extended Zepp really "center" fed? I would say mechanically yes, electrically no.

73 Vaclav AA7EJ

[Non-text portions of this message have been removed]

5150. Re: [ham-antennas] mfj 1777

Yahoo group: ham-antennas (2008)
Date: 2008-06-24 21:40:15 UTC
From: Joe Dube
Topic: 5147 Message: 5150

Are you just using the antenna tuner to check for resonace or are you actually using to tune the antenna????? If you are using the antenna tuner and it won't tune it is probaly because you are tuning the antenna on a high voltage point as opposed to a high current point which your tuner is designed for. This can be solved by using a parallel tuning network to use on 75 meters. Another way is to trim about 25 feet of ladderine from the feedline and give it another go. Your mfj tuner will probably work aa bit better looking into a lower voltage point.

Joe K4TR

From: Gary
To: ham-antennas@yahoogroups.com
Sent: Monday, June 23, 2008 6:41 PM
Subject: [ham-antennas] mfj 1777

I have a MFJ 1777 all band doubet

It will turn 40 thur 6 meter fine but will dot turn 75 meter.

I put my MFJ 269 on it and on 3.8 mhz show swr 26 to 1. any help

---

No virus found in this incoming message.
Checked by AVG.
Version: 8.0.100 / Virus Database: 270.4.1/1514 - Release Date: 6/23/2008 7:17 AM

No virus found in this outgoing message.
Checked by AVG.
Version: 8.0.100 / Virus Database: 270.4.1/1516 - Release Date: 6/24/2008 7:53 AM

[Non-text portions of this message have been removed]

5151. Re: [ham-antennas] mfj 1777

Yahoo group: ham-antennas (2008)
Date: 2008-06-24 22:35:08 UTC
From: MAXXOUT2@AOL.COM
Topic: 5147 Message: 5151

Gary,
This antenna does not tune 6 meters.
Anyway a little more info would help.
Are you using a tuner built into the rig?
Is it in a dipole configuration or inverted *V*?
How high?
Cutting 10-12 feet off the feed line should show a drop in the SWR.
I've been playing around with doublets for a few weeks and so far have not
been able to build one that tunes good on all bands

JUst my 2 cents worth
BOB
AF2Q
In a message dated 6/24/2008 2:40:58 PM Pacific Standard Time,
jdube1@... writes:

I have a MFJ 1777 all band doubet

It will turn 40 thur 6 meter fine but will dot turn 75 meter.

I put my MFJ 269 on it and on 3.8 mhz show swr 26 to 1. any help

**********Gas prices getting you down? Search AOL Autos for
fuel-efficient used cars. (http://autos.aol.com/used?ncid=aolaut00050000000007)

[Non-text portions of this message have been removed]

5152. Re: mfj 1777

Yahoo group: ham-antennas (2008)
Date: 2008-06-24 23:06:36 UTC
From: vaclav_sal
Topic: 5147 Message: 5152

Before you start "Microsoft method" - cutting and pasting feed line -
download free EZNEC antenna modeling program and run "backyard dipole".
Also check out Reflections II by W2DU for same reason.
In either case - expecting "all band" antenna to work decently on 80
meters is a challenge. IMHO - I would build simple wire antenna
especially for 80 meters and after gaining some experience with it I
would fiddle with it to make it work on other bands - not the other way
around.
Good luck.
PS Just curious ☐ how does this "102 feet top hat" performs on 21 MHz?
73 Vaclav AA7EJ

5153. Easy to tune inverted V to loop conversion

Yahoo group: ham-antennas (2008)
Date: 2008-06-25 01:01:05 UTC
From: Tom
Topic: 5153 Message: 5153

Hi antenna group,

Here's an easy to tune antenna, using a standard T match tuner with a 1:1 current balun. I use it on 80 through 10 meters. It may even work on 6 meters with the right tuner. It's impedance varies from 74 ohms on 75 meters to 260 ohms on 10 meters. It is made from low loss, ladder line and 14 gauge wire.

See my easy to tune loop at:

http://ph.groups.yahoo.com/group/ham-antennas/photos/view/f4ef?b=1&m=f&o=0

Happy Field Day on June 28!

Tom
KE6YNH, 73
San Diego, CA

[Non-text portions of this message have been removed]

5154. Re: Zepp rediscovered?

Yahoo group: ham-antennas (2008)
Date: 2008-06-25 02:45:14 UTC
From: keepwalking188
Topic: 5144 Message: 5154

Hi Vaclav,

I do agree with you on the principle, but in a limited space situation, where the full extended length of a resonant antenna is not a realistic option, then compromises are needed. I would love to have the space for something like what you have. Sweet!!!!

The 88' DEZ proposed by Cebik is a good choice for guys like me with limited space. I promote it because where I live, the challange of finding a suitable antenna kept me off the air for quite a while. It's amazing how a guy can self-justify inaction and blame it on lack of outdoor access. Ha.

Because a multiple-band antenna providing resonant radiators on each band is not a practical option, that means the impeadance presented to the feedline is going to vary all over the place. The open wire feeder does not "fix" the mismatch, but it does side-step the feed-line loss that would be associated with a coax fed solution. Of course, there are effeciency costs on the lower frequencies due to the short length. And in the tuner as well. Not an ideal solution, compared to full-length dipoles in free space. But one that certainly works well, given the compromises.

Regarding the radiation pattern, it's covered in these articles.

http://www.cebik.com/content/fdim/fdim9.pdf
http://www.cebik.com/content/a10/wire/zzdd.html

There is another article by Cebik that goes into the logic of the 88' selection vs. the other common sizes. But sorry I could not recall that location for easy reference.

And in my case of zig-zaging the ends, Cebik has other articles that talk generally about the impact but I've not drawn any conclusion. I would like to model it some day, just to compare what I have vs. a standard dipole, but I'm not that well aquainted with the modeling tools.

73/jeff/ac0c

--- In ham-antennas@yahoogroups.com, vaclav sal <vaclav_sal@...> wrote:
>
> I love this recent interest in Zepp. Had one for few weeks "cut" for 20 meters and it worked as expected.
> But testing antennas in lousy conditions is a frustrating affair.
>
> One thing bothers me - I believe Zepp was "invented" because it was mechanically practical as a "trailing airborne antenna". Also in

"glow in the dark" radio days the finals were of high impedance -
maybe easier to match to high impedance end fed antenna.
>
> It seems unnecessary and technically awkward to use high impedance
antenna, feed it with 450 ohms ladder line and then transfer this to
50 ohms to make "modern" transmitter happy using balun and antenna tuner.
> Kinda long way around the barn.
> There is no question that the radiation pattern of double extended
Zepp differs from plain dipole, however, is it really an efficient
single band antenna with all this additional hardware?
>
> I think real on the air comparison with center fed dipole would
answer this question. Of course only on fundamental frequency.
>
> BTW
> Is double extended Zepp really "center" fed? I would say
mechanically yes, electrically no.
>
> 73 Vaclav AA7EJ
>
>
>
>
> [Non-text portions of this message have been removed]
>

5155. Re: mfj 1777

Yahoo group: ham-antennas (2008)
Date: 2008-06-25 13:09:46 UTC
From: Gary
Topic: 5147 Message: 5155

--- In ham-antennas@yahoogroups.com, MAXXOUT2@... wrote:
>
>
> Gary,
> This antenna does not tune 6 meters.
> Anyway a little more info would help.
> Are you using a tuner built into the rig?
> Is it in a dipole configuration or inverted *V*?
> How high?
> Cutting 10-12 feet off the feed line should show a drop in the SWR.
> I've been playing around with doublets for a few weeks and so far
have not
> been able to build one that tunes good on all bands
>
> JUst my 2 cents worth
> BOB
> AF2Q
> In a message dated 6/24/2008 2:40:58 PM Pacific Standard Time,
> jdube1@... writes:
>
>
>I would like too thanks those that has put in the 2 cents.

This is a buddy of my just a new ham. sence April and ready to take
his Extra then coming Friday night.

He is using a FT 450 AT.
the antenna is up 35 feet in a inverted v and it is working on 6
meter just great. SWR on 6 meter is 3 to 1 then with the turner it
come down to 1 to 1 at 50.125 mhz. 40 meter at 7.205 2.6 to 1 and
with the radio it come down to 1 to 1.

track wire is 90 feet coax going to it is 143 feet. I thank that If I
would add 20 feet more to the antenna it will being the 75 meter in
turner range I will try it today. So thank for all the help...

WW8O Gary

5156. Re: [ham-antennas] Re: mfj 1777

Yahoo group: ham-antennas (2008)
Date: 2008-06-25 15:08:58 UTC
From: MAXXOUT2@AOL.COM
Topic: 5147 Message: 5156

I'm, confused now because you said it was a doublet antenna.
Doublet antennas are fed with 300-450 line and not coax.
The MFJ site says it a 80 to 10 meter antenna.
BOB
AF2Q

In a message dated 6/25/2008 6:10:14 AM Pacific Standard Time,
ww8o@... writes:

track wire is 90 feet coax going to it is 143 feet. I thank that If I
would add 20 feet more to the antenna it will being the 75 meter in
turner range I will try it today. So thank for all the help...

WW8O Gary

**********Gas prices getting you down? Search AOL Autos for
fuel-efficient used cars. (http://autos.aol.com/used?ncid=aolaut00050000000007)

[Non-text portions of this message have been removed]

5157. Re: [ham-antennas] Re: mfj 1777

Yahoo group: ham-antennas (2008)
Date: 2008-06-25 15:47:40 UTC
From: Chris
Topic: 5147 Message: 5157

Doublet by interpretation of Cebik's definition is a balanced length two-legged antenna that is not specifically resonant, made for wide range tuning.

You could feed it with coax, but the losses would be horrible, so yeah feeding with balanced line of some sort makes a whole ton more sense.

I've fed a G5RV with the choke cut off as a doublet with 450 Ohm straight to the tuner, worked great 80m - 10m.

I'm feeding 135' of wire with a run of coax to a 1:1 balun and 450 Ohm line up to the feed point, also works well. I added that balun to basically keep RF out of the shack due to less than ideal feed points for the window line path.

I like my wide band wires...they won't win me any big-gun contest titles, but that's not my game either.

Basically make the antenna long enough to be 1/2 wl on the lowest band you intend to operate. 135' gets you 80m-10m with 80/40/20 being best on it. 270' gets you 160m-10m with 160/80/40 being the best on it as far as the patterns go.

I've still not found an easy solution to pass 450 Ohm line through a stud wall, that's mainly my issue right now. I have a bulkhead point, but it has station ground wire and coax going through it and will be an aluminum plate very soon to make common ground ties between the coax so feeding window line through that doesn't seem very wise.

If anyone has any solutions to feed 450 Ohm or 600 Ohm line through a stud wall, I wouldn't mind hearing them.

On Wed, Jun 25, 2008 at 11:08 AM, <MAXXOUT2@...> wrote:
>
> I'm, confused now because you said it was a doublet antenna.
> Doublet antennas are fed with 300-450 line and not coax.
> The MFJ site says it a 80 to 10 meter antenna.
> BOB
> AF2Q
>

5158. Re: [ham-antennas] Re: mfj 1777

Yahoo group: ham-antennas (2008)
Date: 2008-06-25 15:47:02 UTC
From: Chris
Topic: 5147 Message: 5158

Doublet by interpretation of Cebik's definition is a balanced length two-legged antenna that is not specifically resonant, made for wide range tuning.

You could feed it with coax, but the losses would be horrible, so yeah feeding with balanced line of some sort makes a whole ton more sense.

I've fed a G5RV with the choke cut off as a doublet with 450 Ohm straight to the tuner, worked great 80m - 10m.

I'm feeding 135' of wire with a run of coax to a 1:1 balun and 450 Ohm line up to the feed point, also works well. I added that balun to basically keep RF out of the shack due to less than ideal feed points for the window line path.

I like my wide band wires...they won't win me any big-gun contest titles, but that's not my game either.

Basically make the antenna long enough to be 1/2 wl on the lowest band you intend to operate. 135' gets you 80m-10m with 80/40/20 being best on it. 270' gets you 160m-10m with 160/80/40 being the best on it as far as the patterns go.

I've still not found an easy solution to pass 450 Ohm line through a stud wall, that's mainly my issue right now. I have a bulkhead point, but it has station ground wire and coax going through it and will be an aluminum plate very soon to make common ground ties between the coax so feeding window line through that doesn't seem very wise.

If anyone has any solutions to feed 450 Ohm or 600 Ohm line through a stud wall, I wouldn't mind hearing them.

On Wed, Jun 25, 2008 at 11:08 AM, <MAXXOUT2@...> wrote:
>
> I'm, confused now because you said it was a doublet antenna.
> Doublet antennas are fed with 300-450 line and not coax.
> The MFJ site says it a 80 to 10 meter antenna.
> BOB
> AF2Q
>

5159. Re: Zepp rediscovered?

Yahoo group: ham-antennas (2008)
Date: 2008-06-25 17:36:51 UTC
From: vaclav_sal
Topic: 5144 Message: 5159

I still think that Zepp or extended Zepp being end fed antenna (historically) should be first classified as high impedance antenna on fundamental and even harmonics frequencies. Ladder line is used not because it has low loss (compared to coax), it is because it matches the antenna feed point impedance better than coax.
I have no quarrels calling double Zepp, either variety a doublet. However, I find the term doublet too non descriptive.
In my most recent experiment - using 20 meters double extended Zepp - I used homebrew 9:1 balun mounted directly at the feed point and cheap RS RG58 as a feed line. When I get rich and famous I will invest in decent antenna analyzer and get some real measurements of this setup.

On different subject - to control stray RF common with balanced to unbalanced coax feed line - simple coax choke always worked for me. But I do not run kilowatts, so the effectives of the coax choke may be questionable in my case. I also adds few pounds of dead weight to the antenna, but it is no big deal when the choke is at the end of the wire anyway.
I cannot wait to try my phased EDZ cut for 40 meters on Field Day! I'll bet it will be a dud on 21 MHz!

73 Vaclav AA7EJ

5160. Re: [ham-antennas] Re: mfj 1777

Yahoo group: ham-antennas (2008)
Date: 2008-06-25 18:41:04 UTC
From: MAXXOUT2@AOL.COM
Topic: 5147 Message: 5160

What is a stud wall?
BOB
AF2Q

In a message dated 6/25/2008 8:48:10 AM Pacific Standard Time,
kingsqueak@... writes:

If anyone has any solutions to feed 450 Ohm or 600 Ohm line through a
stud wall, I wouldn't mind hearing them

**********Gas prices getting you down? Search AOL Autos for
fuel-efficient used cars. (http://autos.aol.com/used?ncid=aolaut00050000000007)

[Non-text portions of this message have been removed]

5161. Re: [ham-antennas] Re: mfj 1777

Yahoo group: ham-antennas (2008)
Date: 2008-06-25 19:13:51 UTC
From: Chris
Topic: 5147 Message: 5161

Standard stick construction, 2x4 studs, sheathing on the outside with
vinyl siding and sheet rock on the inside.

On Wed, Jun 25, 2008 at 2:41 PM, <MAXXOUT2@...> wrote:
>
> What is a stud wall?
> BOB
> AF2Q
>
> In a message dated 6/25/2008 8:48:10 AM Pacific Standard Time,
> kingsqueak@... writes:
>
> If anyone has any solutions to feed 450 Ohm or 600 Ohm line through a
> stud wall, I wouldn't mind hearing them
>
>
>
>
>
>
> **********Gas prices getting you down? Search AOL Autos for
> fuel-efficient used cars. (http://autos.aol.com/used?ncid=aolaut00050000000007)
>
>
> [Non-text portions of this message have been removed]
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 974
members (as of 11/07/07, and attachments are NOT permitted.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
>

5162. 80 mtr rotatable dipole directions

Yahoo group: ham-antennas (2008)
Date: 2008-06-25 23:51:42 UTC
From: ke6kjd
Topic: 5162 Message: 5162

Hi all,
I'm rather new to the group. I was wondering. Does anyone have directions on how to build an 80 meter rotateable dipole that a beginner could build.
I have a gap titan dx vertical but it really lacks on 80 meters.
Anyway I thought I'd try my hand at building my 1st antenna if I can get some easy to build directions.
Thanks and 73
Bob, KE6KJD

5163. Re: [ham-antennas] 80 mtr rotatable dipole directions

Yahoo group: ham-antennas (2008)
Date: 2008-06-26 00:20:39 UTC
From: Barry Hoffman
Topic: 5162 Message: 5163

Bob,

Do you know how BIG an 80 Meter Dipole is? 131 Feet long!

Then there is the problem of rotating it. The rotation radius will be 65.5"

Without being too cynical, you would first have to buy a house with a much bigger lot.

I looked at your lot on Google earth, and a rotatable 80 Meter dipole would extend from your house over McCormick Bvld.

For the Dipole to be directional, it would have to be greater than 1/4 wavelength above the groung (65.5 feet), so you would need a tower. Since you live so close to the airport, you would have to be more than 1.25 mi away from the airport (1' of height for every 100' from the end of the runway).

73
K7BLH
Barry

--- On Wed, 6/25/08, ke6kjd <ke6kjd@...> wrote:

From: ke6kjd <ke6kjd@...>
Subject: [ham-antennas] 80 mtr rotatable dipole directions
To: ham-antennas@yahoogroups.com
Date: Wednesday, June 25, 2008, 4:51 PM

Hi all,
I'm rather new to the group. I was wondering. Does anyone have directions on how to build an 80 meter rotateable dipole that a beginner could build.
I have a gap titan dx vertical but it really lacks on 80 meters.
Anyway I thought I'd try my hand at building my 1st antenna if I can get some easy to build directions.
Thanks and 73
Bob, KE6KJD

[Non-text portions of this message have been removed]

5164. Re: [ham-antennas] 80 mtr rotatable dipole directions

Yahoo group: ham-antennas (2008)
Date: 2008-06-26 00:33:59 UTC
From: Bob T.
Topic: 5162 Message: 5164

Hi Barry,
Well you can sure tell I know nothing about antennas.... lol
Well maybe I'll have to wait till I get a tower in place so I can get a wire up an attached to it.
The way the lots here are teered.... the house behind me is not going to like seeing a beam in their back window. My only way is a wire some time in the future then.
OK... well that does that then.
Thanks for your help Barry. I'm now informed.... lol
Try to stay cool down there and good luck on field day.
73, Bob KE6KJD

----- Original Message -----
From: Barry Hoffman <k7blh@...>
To: ham-antennas@yahoogroups.com
Date: Wed, 25 Jun 2008 17:20:39 -0700 (PDT)
Subject: Re: [ham-antennas] 80 mtr rotatable dipole directions

> Bob,
> Â

5165. Re: [ham-antennas] 80 mtr rotatable dipole directions

Yahoo group: ham-antennas (2008)
Date: 2008-06-26 00:36:35 UTC
From: Sam Cook
Topic: 5162 Message: 5165

How about a Hamstick dipole? That would be about 16ft long with an 8ft
turning radius. I know it's a trade-off, but practical.
I know some dealers sell a mount for two hamsticks as a dipole.

Have a look at my 3-band Hamstick dipole...
http://ac0ok.net/projects/f3bhsd/index.htm
Not the best, but first QSO was from northern Missouri to a maritime
mobile in northern Wisconsin. Not too shabby. (Maybe just luck.)
It was at 12ft above ground, so NVIS... omnidirectional (as far as I can
tell without real testing). Have now removed the rotor & mast stub,
putting it at 10ft. Rotor was kinda pointless. If I want to turn it, I
just loosen the clamps and turn it by hand.
Still experimental.

Sam Cook, Milan, MO
Amateur Extra Class Radio Station AC?OK
ARES Official Emergency Station, Sullivan Co., MO
Military Affiliate Radio System (MARS) AAR7AO
==========

Barry Hoffman wrote:
> Bob,
>
> Do you know how BIG an 80 Meter Dipole is? 131 Feet long!
>
> Then there is the problem of rotating it. The rotation radius will be 65.5"
>
> Without being too cynical, you would first have to buy a house with a much bigger lot.
>
> I looked at your lot on Google earth, and a rotatable 80 Meter dipole would extend from
your house over McCormick Bvld.
>
> For the Dipole to be directional, it would have to be greater than 1/4 wavelength above
the groung (65.5 feet), so you would need a tower. Since you live so close to the airport,
you would have to be more than 1.25 mi away from the airport (1' of height for every 100'
from the end of the runway).
>
>
> 73
> K7BLH
> Barry
>
> --- On Wed, 6/25/08, ke6kjd <ke6kjd@...> wrote:
>
> From: ke6kjd <ke6kjd@...>
> Subject: [ham-antennas] 80 mtr rotatable dipole directions

> To: ham-antennas@yahoogroups.com
> Date: Wednesday, June 25, 2008, 4:51 PM
>
>
>
>
>
>
> Hi all,
> I'm rather new to the group. I was wondering. Does anyone have
> directions on how to build an 80 meter rotateable dipole that a
> beginner could build.
> I have a gap titan dx vertical but it really lacks on 80 meters.
> Anyway I thought I'd try my hand at building my 1st antenna if I can
> get some easy to build directions.
> Thanks and 73
> Bob, KE6KJD

5166. RE: [ham-antennas] 80 mtr rotatable dipole directions

Yahoo group: ham-antennas (2008)
Date: 2008-06-26 00:42:09 UTC
From: James M.(Jim) Geidl
Topic: 5162 Message: 5166

Bob,

Maybe I am walking right into this, but, why do you want a rotatable dipole?
To cover 80m it is going to be huge. Give us a few more details, please.

Jim, K6JMG

> -----Original Message-----
> From: ham-antennas@yahoogroups.com
> [mailto:ham-antennas@yahoogroups.com] On Behalf Of ke6kjd
> Sent: Wednesday, June 25, 2008 4:52 PM
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] 80 mtr rotatable dipole directions
>
> Hi all,
> I'm rather new to the group. I was wondering. Does anyone
> have directions on how to build an 80 meter rotateable dipole
> that a beginner could build.
> I have a gap titan dx vertical but it really lacks on 80 meters.
> Anyway I thought I'd try my hand at building my 1st antenna
> if I can get some easy to build directions.
> Thanks and 73
> Bob, KE6KJD

5167. RE: [ham-antennas] 80 mtr rotatable dipole directions

Yahoo group: ham-antennas (2008)
Date: 2008-06-26 00:52:44 UTC
From: James M.(Jim) Geidl
Topic: 5162 Message: 5167

Bob,

Tell us a little bit more about what you are trying to do and maybe we can help. There is another group Ham Radio Help that you might want to join as well. It is full of ideas. :-)

Jim, K6JMG
//

> -----Original Message-----
> From: ham-antennas@yahoogroups.com
> [mailto:ham-antennas@yahoogroups.com] On Behalf Of Bob T.
> Sent: Wednesday, June 25, 2008 5:34 PM
> To: ham-antennas@yahoogroups.com
> Subject: Re: [ham-antennas] 80 mtr rotatable dipole directions
>
> Hi Barry,
> Well you can sure tell I know nothing about antennas.... lol
> Well maybe I'll have to wait till I get a tower in place so I
> can get a wire up an attached to it.
> The way the lots here are teered.... the house behind me is
> not going to like seeing a beam in their back window. My
> only way is a wire some time in the future then.
> OK... well that does that then.
> Thanks for your help Barry. I'm now informed.... lol Try to
> stay cool down there and good luck on field day.
> 73, Bob KE6KJD
>
>
>
> ----- Original Message -----
> From: Barry Hoffman <k7blh@...>
> To: ham-antennas@yahoogroups.com
> Date: Wed, 25 Jun 2008 17:20:39 -0700 (PDT)
> Subject: Re: [ham-antennas] 80 mtr rotatable dipole directions
>
> > Bob,
> > Â

5168. Verticals vs dipoles or windoms

Yahoo group: ham-antennas (2008)
Date: 2008-06-26 01:10:19 UTC
From: Mark Crosbie - N 8 M N I
Topic: 5168 Message: 5168

What would be better to run as an antenna to cover 160-6m for PSK31 at primary mode?

73's
Mark Crosbie
N8MNI
London, Ohio USA

W: http://n8mni.com
E: n8mni@...

---
avast! Antivirus: Outbound message clean.
Virus Database (VPS): 080626-0, 06/26/2008
Tested on: 6/25/2008 9:10:19 PM
avast! - copyright (c) 1988-2008 ALWIL Software.
http://www.avast.com

[Non-text portions of this message have been removed]

5169. Re: [ham-antennas] 80 mtr rotatable dipole directions

Yahoo group: ham-antennas (2008)
Date: 2008-06-26 01:43:41 UTC
From: Barry Hoffman
Topic: 5162 Message: 5169

Rob,

Sam's suggestion of two Ham Sticks will work as an 80 Meter Antenna (as far as something your transmitter having something to load into). However due to it's short length, it will receive poorly and it will be inefficent as a transmit antenna.

There aren't very many 80 Meter antennas that hams can build that will be directional due to the close proximity (in wavelenght) to the ground (phased verticals being the exception).

You might consider an 80 Meter horozontal loop if your lot will accomodate a 65'X65"X65'X65" wire run. With a tuner it will work on 40, 20, and 10 Meters also.

Or, you can do like I did, a 120' end fed long wire (ran diagonally across my lot) with a tuner. It works on 80, 40, 20, and 15 Meters.

73
K7BLH
Barry

--- On Wed, 6/25/08, Sam Cook <sam@...> wrote:

From: Sam Cook <sam@...>
Subject: Re: [ham-antennas] 80 mtr rotatable dipole directions
To: ham-antennas@yahoogroups.com
Date: Wednesday, June 25, 2008, 5:36 PM

How about a Hamstick dipole? That would be about 16ft long with an 8ft turning radius. I know it's a trade-off, but practical.
I know some dealers sell a mount for two hamsticks as a dipole.

Have a look at my 3-band Hamstick dipole...
http://ac0ok. net/projects/ f3bhsd/index. htm
Not the best, but first QSO was from northern Missouri to a maritime mobile in northern Wisconsin. Not too shabby. (Maybe just luck.)
It was at 12ft above ground, so NVIS... omnidirectional (as far as I can tell without real testing). Have now removed the rotor & mast stub, putting it at 10ft. Rotor was kinda pointless. If I want to turn it, I just loosen the clamps and turn it by hand.
Still experimental.

Sam Cook, Milan, MO
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ARES Official Emergency Station, Sullivan Co., MO
Military Affiliate Radio System (MARS) AAR7AO
========== ========= ========= ========= ========= =

Barry Hoffman wrote:
> Bob,
>
> Do you know how BIG an 80 Meter Dipole is? 131 Feet long!
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> Then there is the problem of rotating it. The rotation radius will be 65.5"
>
> Without being too cynical, you would first have to buy a house with a much bigger lot.
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> I looked at your lot on Google earth, and a rotatable 80 Meter dipole would extend from your house over McCormick Bvld.
>
> For the Dipole to be directional, it would have to be greater than 1/4 wavelength above the groung (65.5 feet), so you would need a tower. Since you live so close to the airport, you would have to be more than 1.25 mi away from the airport (1' of height for every 100' from the end of the runway).
>
>
> 73
> K7BLH
> Barry
>
> --- On Wed, 6/25/08, ke6kjd <ke6kjd@yahoo. com> wrote:
>
> From: ke6kjd <ke6kjd@yahoo. com>
> Subject: [ham-antennas] 80 mtr rotatable dipole directions
> To: ham-antennas@ yahoogroups. com
> Date: Wednesday, June 25, 2008, 4:51 PM
>
>
>
>
>
>
> Hi all,
> I'm rather new to the group. I was wondering. Does anyone have
> directions on how to build an 80 meter rotateable dipole that a
> beginner could build.
> I have a gap titan dx vertical but it really lacks on 80 meters.
> Anyway I thought I'd try my hand at building my 1st antenna if I can
> get some easy to build directions.
> Thanks and 73
> Bob, KE6KJD

[Non-text portions of this message have been removed]

5170. Re: [ham-antennas] 80 mtr rotatable dipole directions

Yahoo group: ham-antennas (2008)
Date: 2008-06-26 01:54:28 UTC
From: Barry Hoffman
Topic: 5162 Message: 5170

Bob,

Your lack of knowledge about antennas is understandable.

Congratulations on your very recent upgrade to General Class.

You will leard alot about Radios, HF, and propogation as you venture into the areas that your new prividleges permit.

I would however, suggest that you start out on 20 Meters. The antennas are alot more manageable and you can work all states as well as a lot of DX.

73
K7BLH
Barry
--- On Wed, 6/25/08, Bob T. <ke6kjd@...> wrote:

From: Bob T. <ke6kjd@...>
Subject: Re: [ham-antennas] 80 mtr rotatable dipole directions
To: ham-antennas@yahoogroups.com
Date: Wednesday, June 25, 2008, 5:33 PM

Hi Barry,
Well you can sure tell I know nothing about antennas.... lol
Well maybe I'll have to wait till I get a tower in place so I can get a wire up an attached to it.
The way the lots here are teered.... the house behind me is not going to like seeing a beam in their back window. My only way is a wire some time in the future then.
OK... well that does that then.
Thanks for your help Barry. I'm now informed.... lol
Try to stay cool down there and good luck on field day.
73, Bob KE6KJD

----- Original Message -----
From: Barry Hoffman <k7blh@yahoo. com>
To: ham-antennas@ yahoogroups. com
Date: Wed, 25 Jun 2008 17:20:39 -0700 (PDT)
Subject: Re: [ham-antennas] 80 mtr rotatable dipole directions

> Bob,
> Â

[Non-text portions of this message have been removed]

5171. RE: [ham-antennas] 80 mtr rotatable dipole directions

Yahoo group: ham-antennas (2008)
Date: 2008-06-26 02:15:36 UTC
From: Rich Schmuke
Topic: 5162 Message: 5171

Well your Titan is about 40ft short on 80m, it needs to be closer to 65 ft tall not 25. Anytime you make an antenna shorter you lose some efficiency. You can put up two 80m dipoles 90 degree to each other and switch them. If you want to rotate then think about a 20m beam or a tri-bander , you will have a lot of DX contacts on 20. You would have to build your own set up to rotate on 80 and I don't think that is a project for a first try. The wind loading would be quite large so every thing get bigger to support it. I made my own 5 band dipole (75,40,20,17 and 10). I could not afford a Titan.

My first novice band 80m was a vertical made from PVC , spiral wound and a small capacitor hat, it was also about 25ft tall so I know what you mean about wanting more. The next was a Slinky in the attic , not much gain with that set up.

Rich , Kd0zz

As an act of plagiarism . Disclaimer: Any errors in spelling or facts are transmission errors.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of ke6kjd
Sent: Wednesday, June 25, 2008 6:52 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] 80 mtr rotatable dipole directions

Hi all,
I'm rather new to the group. I was wondering. Does anyone have directions on how to build an 80 meter rotateable dipole that a beginner could build.
I have a gap titan dx vertical but it really lacks on 80 meters.
Anyway I thought I'd try my hand at building my 1st antenna if I can get some easy to build directions.
Thanks and 73
Bob, KE6KJD

[Non-text portions of this message have been removed]

5172. Re: [ham-antennas] 80 mtr rotatable dipole directions

Yahoo group: ham-antennas (2008)
Date: 2008-06-26 03:32:39 UTC
From: Bob T.
Topic: 5162 Message: 5172

Hi,
First, I'd like to say thank you to everyone that has sent back comments for me. I have printed them all so I can go back and re-read them several times.
Barry, I want to thank you also for all of your suggestions.
The reason for the 80 meter dipole in the 1st place was because I have a bunch of friends that live in California and we all get on at night and swap lies. I just thought it might make it better for me on the receive and also on the transmit side. The gap titan dx is like I said before... some what lacking in performance on the 80 meter side for some reason.
I can see now that I will need to consider all these other options.
As for your first idea Barry of a new house.... I don't think that will work..... this one is only 4 years old and my wife would kill me.... HiHi.....
Anyway... thank you again.
73, Bob KE6KJD

----- Original Message -----
From: Barry Hoffman <k7blh@...>
To: ham-antennas@yahoogroups.com
Date: Wed, 25 Jun 2008 18:54:28 -0700 (PDT)
Subject: Re: [ham-antennas] 80 mtr rotatable dipole directions

> Bob,
> Â

5173. Re: [ham-antennas] Re: mfj 1777

Yahoo group: ham-antennas (2008)
Date: 2008-06-26 03:39:09 UTC
From: Dean
Topic: 5147 Message: 5173

Use plastic water pipe...
Drill the holes downward a little so the rain will not run in.
Use a good calk around the pipe to seal the pipe in.
It would also be good to be able to ground your antenna outside your
building when you are not using the antenna. A knife switch works well.
Also it works well to terminate outside the building and then using
simple alligator clamps and jumper wire to ground and disconnect your
antenna.

73 Dean W5GXL

W5GXL@...

On Jun 25, 2008, at 1:41 PM, MAXXOUT2@... wrote:

>
> What is a stud wall?
> BOB
> AF2Q
>
> In a message dated 6/25/2008 8:48:10 AM Pacific Standard Time,
> kingsqueak@... writes:
>
> If anyone has any solutions to feed 450 Ohm or 600 Ohm line through a
> stud wall, I wouldn't mind hearing them
>
> **********Gas prices getting you down? Search AOL Autos for
> fuel-efficient used cars. (http://autos.aol.com/used?ncid=aolaut00050000000007
>)
>
> [Non-text portions of this message have been removed]
>
>
>

[Non-text portions of this message have been removed]

5174. RE: [ham-antennas] 80 mtr rotatable dipole directions

Yahoo group: ham-antennas (2008)
Date: 2008-06-26 03:47:00 UTC
From: James M.(Jim) Geidl
Topic: 5162 Message: 5174

Bob,

Maybe you should take a look at an 80M inverted V. They take up less space and are omnidirectional. Actually from your QTH top most of CA should not be a big haul with a plan old standard dipole. Are you running an amp?

Another antenna that you might want to look at is a Cobra Ultralite Junior. It covers from 10m to 80m. It ia very effective. I have the Ultralite Senior and am very pleased with it.

Jim, K6JMG
//

> [mailto:ham-antennas@yahoogroups.com] On Behalf Of Bob T.
> Sent: Wednesday, June 25, 2008 8:33 PM
> To: ham-antennas@yahoogroups.com
> Subject: Re: [ham-antennas] 80 mtr rotatable dipole directions
>
> Hi,
> First, I'd like to say thank you to everyone that has sent
> back comments for me. I have printed them all so I can go
> back and re-read them several times.
> Barry, I want to thank you also for all of your suggestions.
> The reason for the 80 meter dipole in the 1st place was
> because I have a bunch of friends that live in California and
> we all get on at night and swap lies. I just thought it
> might make it better for me on the receive and also on the
> transmit side. The gap titan dx is like I said before...
> some what lacking in performance on the 80 meter side for some reason.
> I can see now that I will need to consider all these other options.
> As for your first idea Barry of a new house.... I don't think
> that will work..... this one is only 4 years old and my wife
> would kill me.... HiHi.....
> Anyway... thank you again.
> 73, Bob KE6KJD
>
> ----- Original Message -----
> From: Barry Hoffman <k7blh@...>
> To: ham-antennas@yahoogroups.com
> Date: Wed, 25 Jun 2008 18:54:28 -0700 (PDT)
> Subject: Re: [ham-antennas] 80 mtr rotatable dipole directions
>
> > Bob,
> > Â
>

5175. End-fed Cobra?

Yahoo group: ham-antennas (2008)
Date: 2008-06-26 12:24:46 UTC
From: n4spp
Topic: 5175 Message: 5175

Hello,

I have been using a home-built 1/4-size Cobra for a couple of years now, and I am quite pleased with the performance for its size.

Has anyone ever tried to use one leg of the 3-wire conductor Cobra dipole, and configure it as an end-fed?

73s de Frank F/N4SPP

www.nonstopsystems.com/radio.htm

5176. Re: [ham-antennas] Re: mfj 1777

Yahoo group: ham-antennas (2008)
Date: 2008-06-26 15:13:53 UTC
From: Andy
Topic: 5147 Message: 5176

> The MFJ site says it a 80 to 10 meter antenna.

Actually, MFJ says it is a 160 to 6 meter antenna (160 as a top-hat).

This antenna includes 100 feet of ladderline, so I don't know why you have so much coax. Is there a balun?

If you use the ladderline the impedance seen looking into it could be way up in the 100s of ohms (even 1K ohms if the SWR is 2.2:1), which might present a severe mismatch to the coax unless you use a 9:1 or at least a 4:1 balun between them. 2.2:1 SWR in ladderline can become 20:1 SWR in the coax without the right balun.

Andy

5177. RE: [ham-antennas] 80 mtr rotatable dipole directions

Yahoo group: ham-antennas (2008)
Date: 2008-06-26 15:55:52 UTC
From: Callum M0MCX
Topic: 5162 Message: 5177

Bob, don't be despondent, just put up a low dipole. It will outperform the vertical up to 500 miles most days.

Cheers,

Callum McCormick

http://www.m0mcx.co.uk/

I have a wonderful proof, but this sig block is too small to hold it.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Bob T.
Sent: 26 June 2008 01:34
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] 80 mtr rotatable dipole directions

Hi Barry,
Well you can sure tell I know nothing about antennas.... lol
Well maybe I'll have to wait till I get a tower in place so I can get a wire up an attached to it.
The way the lots here are teered.... the house behind me is not going to like seeing a beam in their back window. My only way is a wire some time in the future then.
OK... well that does that then.
Thanks for your help Barry. I'm now informed.... lol
Try to stay cool down there and good luck on field day.
73, Bob KE6KJD

----- Original Message -----
From: Barry Hoffman <k7blh@... <mailto:k7blh%40yahoo.com> >
To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
Date: Wed, 25 Jun 2008 17:20:39 -0700 (PDT)
Subject: Re: [ham-antennas] 80 mtr rotatable dipole directions

> Bob,
> Â

[Non-text portions of this message have been removed]

5178. Re: [ham-antennas] 80 mtr rotatable dipole directions

Yahoo group: ham-antennas (2008)
Date: 2008-06-26 17:12:13 UTC
From: Chris
Topic: 5162 Message: 5178

I have a GAP Titan myself and went through this a year or so ago.

For local/regional 75m rag chew, which I happen to love, a vertical is all wrong. The takeoff angle is too low and you have tremendous loss due to cross polarization vs the horizontal wires that most people are running on that band.

You can get a really great signal by simply making a 135' dipole fed with either ladder line to a tuner for wide band use, or fed with very short coax from the tuner, just outside the shack wall to a 1:1 balun and then ladder to the antenna for 80m-10m coverage (manual wide range tuner needed for either one) or a resonant dipole, coax fed for 80m only.

Take one of those options and hang it wherever you can fit it, mine is all of 25' off the ground and you will be good for 10 over 9 signals for the local region with 100W.

For regional 160m or 80m, you want a relatively low antenna to put the radiation straight up...it basically comes back down in what I like to say is an umbrella pattern covering a few hundred regional miles.

For DX on 80m or 160m you want a vertical so you can get low takeoff angles more easily and get over the horizon. For a dipole to perform like this you need outrageously high supports for these two bands, that most of us can only dream about.

You can end feed a 66' length of wire from a tuner against a ground as well for 80m. RF in the shack is a bit of an issue with end fed wire from a shack based tuner though but at 100W it can be done. I tossed some wire over tree branches and tied it to a fence as my first try and it worked pretty well.

On Wed, Jun 25, 2008 at 11:32 PM, Bob T. <ke6kjd@...> wrote:
> Hi,
> First, I'd like to say thank you to everyone that has sent back comments for me. I have printed them all so I can go back and re-read them several times.
> Barry, I want to thank you also for all of your suggestions.
> The reason for the 80 meter dipole in the 1st place was because I have a bunch of friends that live in California and we all get on at night and swap lies. I just thought it might make it better for me on the receive and also on the transmit side. The gap titan dx is like I said before... some what lacking in performance on the 80 meter side for some reason.

5179. Re: [ham-antennas] 80 mtr rotatable dipole directions

Yahoo group: ham-antennas (2008)
Date: 2008-06-26 17:19:34 UTC
From: Chris
Topic: 5162 Message: 5179

One other mention. This time of year is bad for 80/160 due to static crashes from electrical storms. So even if you have a 10 over 9 signal, don't get discouraged if people can't hear you, they are not summer season bands really so it is normal.

I put it off for about a year, but finally broke down and got an amp so I would be over the band noise more effectively. If you find you like the band and become a regular...an amp is really valuable on these bands.

On Thu, Jun 26, 2008 at 1:12 PM, Chris <kc2rgw@...> wrote:
> I have a GAP Titan myself and went through this a year or so ago.
>
> For local/regional 75m rag chew, which I happen to love, a vertical is
> all wrong. The takeoff angle is too low and you have tremendous loss
> due to cross polarization vs the horizontal wires that most people are
> running on that band.
>
> You can get a really great signal by simply making a 135' dipole fed
> with either ladder line to a tuner for wide band use, or fed with very
> short coax from the tuner, just outside the shack wall to a 1:1 balun
> and then ladder to the antenna for 80m-10m coverage (manual wide range
> tuner needed for either one) or a resonant dipole, coax fed for 80m
> only.
>
> Take one of those options and hang it wherever you can fit it, mine is
> all of 25' off the ground and you will be good for 10 over 9 signals
> for the local region with 100W.
>

5180. Re: [ham-antennas] 80 mtr rotatable dipole directions

Yahoo group: ham-antennas (2008)
Date: 2008-06-26 17:39:33 UTC
From: Bob T.
Topic: 5162 Message: 5180

Hi Chris,
Thank you for your input and help. I'm looking at all of this now and will have to decide which side of the house will be best to do due to the size of my lot. I'm leaning towards the closest side to where my radio shack is. Less feed line looks like the better option here.
I recently aquired a Yaesu FL-7000 from an estate sale and it is now on it's way to Bill Grassa in Florida for the upgrades. I'm sure it will be a help when I get it back.
I just wish there was a good spot to pick for a wire. I'll just have to pick a spot and hope that the neighbors don't hemorrhage over seeing it. They are not happy seeing the Gap Titan DX now.
Thank you again.
73, Bob KE6KJD

----- Original Message -----
From: Chris <kingsqueak@...>
To: ham-antennas@yahoogroups.com
Date: Thu, 26 Jun 2008 13:19:34 -0400
Subject: Re: [ham-antennas] 80 mtr rotatable dipole directions

> One other mention. This time of year is bad for 80/160 due to static
> crashes from electrical storms. So even if you have a 10 over 9
> signal, don't get discouraged if people can't hear you, they are not
> summer season bands really so it is normal.
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> I put it off for about a year, but finally broke down and got an amp
> so I would be over the band noise more effectively. If you find you
> like the band and become a regular...an amp is really valuable on
> these bands.
>
> On Thu, Jun 26, 2008 at 1:12 PM, Chris <kc2rgw@gmail. com> wrote:
> > I have a GAP Titan myself and went through this a year or so ago.
> >
> > For local/regional 75m rag chew, which I happen to love, a vertical is
> > all wrong. The takeoff angle is too low and you have tremendous loss
> > due to cross polarization vs the horizontal wires that most people are
> > running on that band.
> >
> > You can get a really great signal by simply making a 135' dipole fed
> > with either ladder line to a tuner for wide band use, or fed with very
> > short coax from the tuner, just outside the shack wall to a 1:1 balun
> > and then ladder to the antenna for 80m-10m coverage (manual wide range
> > tuner needed for either one) or a resonant dipole, coax fed for 80m
> > only.
> >
> > Take one of those options and hang it wherever you can fit it, mine is

> > all of 25' off the ground and you will be good for 10 over 9 signals
> > for the local region with 100W.
> >
>
>

5181. RE: [ham-antennas] Re: 6 meters on ARRL Field Day ??

Yahoo group: ham-antennas (2008)
Date: 2008-06-26 17:47:59 UTC
From: James M.(Jim) Geidl
Topic: 5123 Message: 5181

James,

Where did you get the tubing? Did you bend it at the corners or use some kind of 90deg corner adapter?

Jim

James M. "Jim" Geidl, K6JMG
www.spinochio.com
1732 Whitman Road
Concord, CA 94518
925 969-1367

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> -----Original Message-----
> From: ham-antennas@yahoogroups.com
> [mailto:ham-antennas@yahoogroups.com] On Behalf Of james27613
> Sent: Friday, June 20, 2008 8:06 AM
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] Re: 6 meters on ARRL Field Day ??
>
> Hi,
>
> visit www.cebik.com you will need to register online, no cost
> to do so, then you can access a wealth of antenna info.
>
> Take a look at the Moxon for 6 meters
>
> http://www.cebik.com/content/a10/moxon/6m.html
>
> I built one with # 12 thhn copper wire, direct fed with 50
> ohm coax, no matching needed, works great, built a second
> using 1/2" aluminum tubing.
>
> Listen for W4DW 7A on 6M and all bands all modes.
>
> 73 james ke4drn
>

>
> ---
>
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>
>

5182. Re: [ham-antennas] 80 mtr rotatable dipole directions

Yahoo group: ham-antennas (2008)
Date: 2008-06-26 18:17:19 UTC
From: Chris
Topic: 5162 Message: 5182

My GAP is a real eyesore compared to any of my wire. The wire, if you use black, is nearly invisible. The only thing you see of my wire is the window or ladder line going to feed it.

On Thu, Jun 26, 2008 at 1:39 PM, Bob T. <ke6kjd@...> wrote:
> Hi Chris,
> Thank you for your input and help. I'm looking at all of this now and will have to decide which side of the house will be best to do due to the size of my lot. I'm leaning towards the closest side to where my radio shack is. Less feed line looks like the better option here.
> I recently aquired a Yaesu FL-7000 from an estate sale and it is now on it's way to Bill Grassa in Florida for the upgrades. I'm sure it will be a help when I get it back.
> I just wish there was a good spot to pick for a wire. I'll just have to pick a spot and hope that the neighbors don't hemorrhage over seeing it. They are not happy seeing the Gap Titan DX now.
> Thank you again.
> 73, Bob KE6KJD
>
>
> ----- Original Message -----
> From: Chris <kingsqueak@...>
> To: ham-antennas@yahoogroups.com
> Date: Thu, 26 Jun 2008 13:19:34 -0400
> Subject: Re: [ham-antennas] 80 mtr rotatable dipole directions
>
>> One other mention. This time of year is bad for 80/160 due to static
>> crashes from electrical storms. So even if you have a 10 over 9
>> signal, don't get discouraged if people can't hear you, they are not
>> summer season bands really so it is normal.
>>
>> I put it off for about a year, but finally broke down and got an amp
>> so I would be over the band noise more effectively. If you find you
>> like the band and become a regular...an amp is really valuable on
>> these bands.
>>
>> On Thu, Jun 26, 2008 at 1:12 PM, Chris <kc2rgw@gmail. com> wrote:
>> > I have a GAP Titan myself and went through this a year or so ago.
>> >
>> > For local/regional 75m rag chew, which I happen to love, a vertical is
>> > all wrong. The takeoff angle is too low and you have tremendous loss
>> > due to cross polarization vs the horizontal wires that most people are
>> > running on that band.
>> >
>> > You can get a really great signal by simply making a 135' dipole fed
>> > with either ladder line to a tuner for wide band use, or fed with very

>> > short coax from the tuner, just outside the shack wall to a 1:1 balun
>> > and then ladder to the antenna for 80m-10m coverage (manual wide range
>> > tuner needed for either one) or a resonant dipole, coax fed for 80m
>> > only.
>> >
>> > Take one of those options and hang it wherever you can fit it, mine is
>> > all of 25' off the ground and you will be good for 10 over 9 signals
>> > for the local region with 100W.
>> >
>>
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>
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>

5183. 868 mhz Yagi

Yahoo group: ham-antennas (2008)
Date: 2008-06-26 21:45:20 UTC
From: hurleyvcr
Topic: 5183 Message: 5183

I am building a 11 element Yagi tuned for 868 MHZ using the calculations based on this web site http://www.dxzone.com/cgi-bin/dir/jump2.cgi?ID=11183.
I have all the elements and boom cut exactly as computed.What would the input impedance be for this yagi,Do I really need a matching network for receiving trunk systems and what feed line could I use for say under thirty feet?
All element diameters =.181 in.,boom dia =.50 in.

5184. Re: Cushcraft

Yahoo group: ham-antennas (2008)
Date: 2008-06-27 00:31:56 UTC
From: ve9xyz
Topic: 5097 Message: 5184

Greg - did you get this? (sorry I've been awayu and didn't see this)

Kevin
VE9-XYZ

--- In ham-antennas@yahoogroups.com, "Greg DeChant" <gcdechant@...>
wrote:
>
> Does any one in the group have a copy of an Cushcraft ATV-5 antenna
> manual, they could email me?
>
> 73, Greg, W8GCD
>

5185. two beams

Yahoo group: ham-antennas (2008)
Date: 2008-06-29 01:05:38 UTC
From: ke0pv
Topic: 5185 Message: 5185

I have a TH11DX Hy Gain beam on a tower at 55 feet. I have another 55 foot tower on which I would like to put a Steppir DB 36. I really dont want to take the TH 11 DX but if I have them both up they will be only about 55 to 60 feet a part. Does anyone know about seperation of two tribanders on different towers? I could of course just replace the TH 11 DX and sell the second tower since it is not up yet. But, I would like to be able to use both beams.

Any help would be appreicated.

5186. Re: [ham-antennas] two beams

Yahoo group: ham-antennas (2008)
Date: 2008-06-29 01:13:19 UTC
From: N0ATH
Topic: 5185 Message: 5186

Not an answer to your question at all but - did you order
your DB-36 at Dayton? Just curious - I was with the crew
that brought the trailer from U S Towers and installed it
that was supporting the antenna there -- I visited with a
lot of people about it. Just curious if I had met you - 73
Dave / N?ATH

----- Original Message -----
From: "ke0pv" <k9oq@...>
To: <ham-antennas@yahoogroups.com>
Sent: Saturday, June 28, 2008 8:05 PM
Subject: [ham-antennas] two beams

I have a TH11DX Hy Gain beam on a tower at 55 feet. I have another 55
foot tower on which I would like to put a Steppir DB 36. I really dont
want to take the TH 11 DX but if I have them both up they will be only
about 55 to 60 feet a part. Does anyone know about seperation of two
tribanders on different towers? I could of course just replace the TH
11 DX and sell the second tower since it is not up yet. But, I would
like to be able to use both beams.

Any help would be appreicated.

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No virus found in this incoming message.
Checked by AVG.
Version: 8.0.101 / Virus Database: 270.4.2/1523 - Release Date: 6/28/2008 7:00 AM

5187. Re: two beams

Yahoo group: ham-antennas (2008)
Date: 2008-06-29 01:25:36 UTC
From: ke0pv
Topic: 5185 Message: 5187

I ordered it prior to Dayton but was there getting more information.
I actually have about 72 feet of seperation where I would like to put
the second tower and could maybe get up to 100 if I went somewhere
else but that location is in line with the "view" of the lake and I
don't think my wife will go for it.

--- In ham-antennas@yahoogroups.com, "N0ATH" <n0ath@...> wrote:
>
> Not an answer to your question at all but - did you order
> your DB-36 at Dayton? Just curious - I was with the crew
> that brought the trailer from U S Towers and installed it
> that was supporting the antenna there -- I visited with a
> lot of people about it. Just curious if I had met you - 73
> Dave / NØATH
>
> ----- Original Message -----
> From: "ke0pv" <k9oq@...>
> To: <ham-antennas@yahoogroups.com>
> Sent: Saturday, June 28, 2008 8:05 PM
> Subject: [ham-antennas] two beams
>
>
> I have a TH11DX Hy Gain beam on a tower at 55 feet. I have another
55
> foot tower on which I would like to put a Steppir DB 36. I really
dont
> want to take the TH 11 DX but if I have them both up they will be
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> about 55 to 60 feet a part. Does anyone know about seperation of
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> tribanders on different towers? I could of course just replace the
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> 11 DX and sell the second tower since it is not up yet. But, I
would
> like to be able to use both beams.
>
> Any help would be appreicated.
>
>
> ------------------------------------
>
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>
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> Version: 8.0.101 / Virus Database: 270.4.2/1523 - Release Date:
6/28/2008 7:00 AM
>

5188. Re: two beams

Yahoo group: ham-antennas (2008)
Date: 2008-06-29 15:41:41 UTC
From: kd8zatarrldotnet
Topic: 5185 Message: 5188

I would use it and see if there is any major interaction, I would disconnect the other antenna from any equipment and see if antenna #2 will tune , so as to not damage any equipment connected to antenna #1. I have run a few yagi's that close without a problem.

--- In ham-antennas@...m, "ke0pv" <k9oq@...> wrote:
>
> I ordered it prior to Dayton but was there getting more information.
> I actually have about 72 feet of seperation where I would like to put
> the second tower and could maybe get up to 100 if I went somewhere
> else but that location is in line with the "view" of the lake and I
> don't think my wife will go for it.
>
> --- In ham-antennas@yahoogroups.com, "N0ATH" <n0ath@> wrote:
> >
> > Not an answer to your question at all but - did you order
> > your DB-36 at Dayton? Just curious - I was with the crew
> > that brought the trailer from U S Towers and installed it
> > that was supporting the antenna there -- I visited with a
> > lot of people about it. Just curious if I had met you - 73
> > Dave / NØATH
> >
> > ----- Original Message -----
> > From: "ke0pv" <k9oq@>
> > To: <ham-antennas@yahoogroups.com>
> > Sent: Saturday, June 28, 2008 8:05 PM
> > Subject: [ham-antennas] two beams
> >
> >
> > I have a TH11DX Hy Gain beam on a tower at 55 feet. I have another
> 55
> > foot tower on which I would like to put a Steppir DB 36. I really
> dont
> > want to take the TH 11 DX but if I have them both up they will be
> only
> > about 55 to 60 feet a part. Does anyone know about seperation of
> two
> > tribanders on different towers? I could of course just replace the
> TH
> > 11 DX and sell the second tower since it is not up yet. But, I

> would
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> >
> > Any help would be appreicated.
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> >
> > ----------
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> 6/28/2008 7:00 AM
> >
>

5189. Re: [ham-antennas] A Couple HF Dipole Questions

Yahoo group: ham-antennas (2008)
Date: 2008-07-01 00:43:27 UTC
From: Phil Bader
Topic: 5005 Message: 5189

I have a basic theory for a ham starting with antennas. Keep it as basic as possible. The most basic, and affordable would be an inverted V, as high as possible,as long as you have room for, fed with 450 ohm flat "window line" down to an antenna tuner. That's it: one all band HF dipole. Simplicity. As experience and bravery develope, expand on more complexed arrangements. It's done many a ham well.

Phil B
Philip Bader
Polk County School Board
Intercom & Fire Alarm Electronics Systems Tech
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakelandarc.org/
pbader@...

----- Original Message -----
From: "Wayne" <wa2yne@...>
To: <ham-antennas@yahoogroups.com>
Sent: Sunday, June 01, 2008 5:06 PM
Subject: Re: [ham-antennas] A Couple HF Dipole Questions

> If you build your own dipole, all you need is wire, #16 stranded or even
> 14 or 12 better, some insulators (you can make these out of PVC or similar
> material) and coaxial cable.
> A balun is not 100% essential.
> the dipole I put up in 2002 had no balun at first. I added a 1:1 W2AU
> balun afterwards, and saw no real difference in performance.
> You can form a balun of sorts by using a coil of coax at the dipoles feed
> point.
> You will see many arguments pro and con about using baluns.
> You will see many arguments saying to use ladder line to feed the
> antenna.
> I will simply say that a plain center fed dipole, resonant on the lowest
> band you plan to use, will do as well as all the other types, and be a lot
> less expensive to make.
> You can often get hunks of wire free that will work as well.
> My present antenna is a double dipole, 75 meters and 160 meters. the 75
> meter part is #12 insulated wire, and does well enough. the 160 meter legs
> are mainly #16 stranded wire, also works well, and with a tuner, also
> works well on 40 and up to 10 meters. Would work on 6, but my present
> tuner won't work for 6 meters. I have talked around the world using simple
> dipoles. main thing is to get the wire up there and tuned...
> A basic 40 meter dipole is only about 64 1/2 feet long (32 1/4 feet each
> leg).

> I always start a bit long and adjust downward as needed. Allow a bit to
> wrap at the insulators.
> I have used both steel guy wire and heavy cords to support the ends. I
> set mine up so I can drop the center as needed, using a pulley and cable
> to support the balun.
> I have heard stations in the caribean on 160 meters (I am in West Texas)
> And some time back, I talked to St Thomas, virgin islands, on 40 meters
> from near Modesto California early in the morning. Of course, it depends
> on time and band conditions.
> YMMV
> Mime-Version: 1.0
> Content-Transfer-Encoding: 7bit
> Content-Type: text/plain; charset=iso-8859-15
>
> Wayne WA2YNE
> Imperial, Tejas
>
> On Thu, 29 May 2008 21:45:33 -0500, Ronald Smith, Jr. <n2msv@...>
> wrote:
>
>> I want to put up my first dipole, but I only have about 70 ft of
>> space to hang it and the dipole would only be up about 25 ft. I would
>> like to run 40, 20, 15, and 10.
>>
>> I was told I should get an Alpha Delta DX-EE for starting out.
>> But I came across the New Carolina Windom by Len Carlson K4IWL
>> <http://www.hamuniverse.com/k4iwlnewwindom.html>
>>
>> I'd like to try building my own dipole.
>> I would like something I can easily rebuild / repair without a lot of
>> expense. I get ice and wind storms in my area that cause tree damage
>> a couple times a year. So I'm thinking the dipole I put up, will
>> break at least once a year. Unless there are tricks for putting up a
>> dipole to have them survive ice and wind storms.
>>
>> Is a New Carolina Windom dipole a good choice for a beginner or is
>> Alpha Delta DX-EE a better choice? Or is there something else better
>> for limited hanging space that I can build?
>>
>> Are all baluns the same? Is a 4:1 balun for $70, better then a 4:1
>> balun for $35? And is worth spending the extra money?
>>
>> Thank for the input.
>> Ron N2MSV
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>
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> Version: 7.5.524 / Virus Database: 269.24.4/1476 - Release Date: 5/31/2008
> 12:25 PM
>
>

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Version: 8.0.101 / Virus Database: 270.4.3/1526 - Release Date: 6/30/2008 8:43 AM

[Non-text portions of this message have been removed]

5190. Re: [ham-antennas] A Couple HF Dipole Questions

Yahoo group: ham-antennas (2008)
Date: 2008-07-01 12:38:06 UTC
From: John P.
Topic: 5005 Message: 5190

Phil,

I'd like to offer that for simplicity sake, feeding the inverted V (or dipole) with coax would be more simple. Perhaps not as efficient as 450 ohm line but simpler and cheaper. One can always "upgrade" later

73's

--- On Mon, 6/30/08, Phil Bader <PBADER@...> wrote:

From: Phil Bader <PBADER@...>
Subject: Re: [ham-antennas] A Couple HF Dipole Questions
To: ham-antennas@yahoogroups.com
Date: Monday, June 30, 2008, 8:43 PM

I have a basic theory for a ham starting with antennas. Keep it as basic as possible. The most basic, and affordable would be an inverted V, as high as possible,as long as you have room for, fed with 450 ohm flat "window line" down to an antenna tuner. That's it: one all band HF dipole. Simplicity. As experience and bravery develope, expand on more complexed arrangements. It's done many a ham well.
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Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakeland arc.org/
pbader@tampabay. rr.com

----- Original Message -----
From: "Wayne" <wa2yne@gmail. com>
To: <ham-antennas@ yahoogroups. com>
Sent: Sunday, June 01, 2008 5:06 PM
Subject: Re: [ham-antennas] A Couple HF Dipole Questions

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> 14 or 12 better, some insulators (you can make these out of PVC or similar
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> on time and band conditions.
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> Wayne WA2YNE
> Imperial, Tejas
>
> On Thu, 29 May 2008 21:45:33 -0500, Ronald Smith, Jr. <n2msv@...>
> wrote:
>
>> I want to put up my first dipole, but I only have about 70 ft of
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>> like to run 40, 20, 15, and 10.
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>> I was told I should get an Alpha Delta DX-EE for starting out.
>> But I came across the New Carolina Windom by Len Carlson K4IWL
>> <http://www.hamunive rse.com/k4iwlnew windom.html>
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>> I'd like to try building my own dipole.
>> I would like something I can easily rebuild / repair without a lot of
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>> for limited hanging space that I can build?
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>> Are all baluns the same? Is a 4:1 balun for $70, better then a 4:1
>> balun for $35? And is worth spending the extra money?
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>> Thank for the input.
>> Ron N2MSV
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> 12:25 PM
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No virus found in this outgoing message.
Checked by AVG.
Version: 8.0.101 / Virus Database: 270.4.3/1526 - Release Date: 6/30/2008 8:43 AM

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

5191. RE: [ham-antennas] A Couple HF Dipole Questions

Yahoo group: ham-antennas (2008)
Date: 2008-07-01 13:36:06 UTC
From: James Fogg
Topic: 5005 Message: 5191

The ladder line feed, though a bit more complex than coax and a 1:1 balun, provides additional options for radiation and resonance. It would allow, for example, an 80M dipole to be tuned for 160M. My 80M coax fed dipole is hopelessly unable to be tuned to 160M. My tuner instantly arcs internally no matter how I set it up. Dipoles are famously bad at working at wavelengths longer than their physical length. Having a feed line that can radiate can solve this limitation.

There are certain lengths that one shouldn't cut a ladder line feed to. You don't want your feedline to appear resonant at the dipole's resonant frequency. There are charts that show feedline length recommendations for each dipole length/frequency.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of John P.
Sent: Tuesday, July 01, 2008 8:38 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] A Couple HF Dipole Questions

Phil,

I'd like to offer that for simplicity sake, feeding the inverted V (or dipole) with coax would be more simple. Perhaps not as efficient as 450 ohm line but simpler and cheaper. One can always "upgrade" later

73's

--- On Mon, 6/30/08, Phil Bader <PBADER@...
<mailto:PBADER%40TAMPABAY.RR.COM> > wrote:

From: Phil Bader <PBADER@...
<mailto:PBADER%40TAMPABAY.RR.COM> >
Subject: Re: [ham-antennas] A Couple HF Dipole Questions
To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>

Date: Monday, June 30, 2008, 8:43 PM

I have a basic theory for a ham starting with antennas. Keep it as basic as
possible. The most basic, and affordable would be an inverted V, as high as
possible,as long as you have room for, fed with 450 ohm flat "window line"
down to an antenna tuner. That's it: one all band HF dipole. Simplicity. As

experience and bravery develope, expand on more complexed arrangements.
It's
done many a ham well.
Phil B
Philip Bader
Polk County School Board
Intercom & Fire Alarm Electronics Systems Tech
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakeland arc.org/
pbader@tampabay. rr.com

----- Original Message -----
From: "Wayne" <wa2yne@gmail. com>
To: <ham-antennas@ yahoogroups. com>
Sent: Sunday, June 01, 2008 5:06 PM
Subject: Re: [ham-antennas] A Couple HF Dipole Questions

> If you build your own dipole, all you need is wire, #16 stranded or
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> 14 or 12 better, some insulators (you can make these out of PVC or
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> material) and coaxial cable.
> A balun is not 100% essential.
> the dipole I put up in 2002 had no balun at first. I added a 1:1 W2AU
> balun afterwards, and saw no real difference in performance.
> You can form a balun of sorts by using a coil of coax at the dipoles
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> You will see many arguments pro and con about using baluns.
> You will see many arguments saying to use ladder line to feed the
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> A basic 40 meter dipole is only about 64 1/2 feet long (32 1/4 feet
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> YMMV
> Mime-Version: 1.0
> Content-Transfer- Encoding: 7bit
> Content-Type: text/plain; charset=iso- 8859-15
>
> Wayne WA2YNE
> Imperial, Tejas
>
> On Thu, 29 May 2008 21:45:33 -0500, Ronald Smith, Jr. <n2msv@...
<mailto:n2msv%40arrl.net> >
> wrote:
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>> I was told I should get an Alpha Delta DX-EE for starting out.
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>> Is a New Carolina Windom dipole a good choice for a beginner or is
>> Alpha Delta DX-EE a better choice? Or is there something else better
>> for limited hanging space that I can build?
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6/30/2008 8:43 AM

[Non-text portions of this message have been removed]

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No virus found in this incoming message.
Checked by AVG.
Version: 8.0.101 / Virus Database: 270.4.3/1527 - Release Date:
6/30/2008 6:07 PM

[Non-text portions of this message have been removed]

5192. RE: [ham-antennas] A Couple HF Dipole Questions

Yahoo group: ham-antennas (2008)
Date: 2008-07-01 14:15:08 UTC
From: Rich Schmuke
Topic: 5005 Message: 5192

I want to add my 2 cents worth (or what ever the amount is toady due to inflation). I am a nut when it comes to trying antennas. As soon as I build one I am thinking about the next, I rather make and build than rag chew. I must agree with John, for a start keep is simple. If you toss up a simple coax dipole and it works first try you will go on to more involved set ups. If it does not work and you buy one you can miss out on a great feeling from amateur radio of building things on your own. My 5 band dipole took more tuning to get it on 80, 40, 20, 17 & 10 , PSK31 frequencies with 1.1:1 all bands but I can say I built it not just I bought it. You can cut a dipole according to the numbers and it will work. On my 5 band I had a lot of interaction on the higher bands and had to change lengths.

So simpler is better for a first try or as some say use the "KISS" method .

KD0ZZ , Rich

I am not getting older but having a propagation problem with the neurons in the grey matter.

Any errors in spelling or facts are tramsmission errors

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Sent: Tuesday, July 01, 2008 7:38 AM
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> Yahoo! Groups Links
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5193. antenna parts

Yahoo group: ham-antennas (2008)
Date: 2008-07-01 15:10:58 UTC
From: G B
Topic: 5193 Message: 5193

Hello,

I ordered some saddle clamps and other antenna
parts from a CB antenna parts supplier a year or
so ago, but I cannot find their name anymore.

Does anyone know who I am thinking of?

I am not impressed with DX Engineering prices!

73's

Glen K4KV

5194. Re: A Couple HF Dipole Questions

Yahoo group: ham-antennas (2008)
Date: 2008-07-01 15:14:28 UTC
From: Danny Musten
Topic: 5005 Message: 5194

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5195. RE: [ham-antennas] Re: A Couple HF Dipole Questions

Yahoo group: ham-antennas (2008)
Date: 2008-07-01 17:01:33 UTC
From: Rich Schmuke
Topic: 5005 Message: 5195

Danny , it is direct coax fed system, no tuner is needed. If I move off frequency of the PSK31 then the tunner in the rig can handle the small change. I tried a Windom but it did not outperform a straight dipole or my 40m vert but the Windom had two baluns in the set up.

I would have to take it down to measure the cut length. I knew they would interact and made them all a little longer and trimmed each one to the frequency I wanted with a SWR meter. The upper wire (80m) is cut to normal length , it is 14ga copperweld, The others are14 ga copper with home made spacers made from cut up PVC. After the 80 I trimmed the 40m and went from there. I split the PVC length ways into quarters also. One problem I had last winter was when it was solid ice the SWR went through the roof as the ice formed a resistor between the wires. The spacers are about 24" apart to prevent twisting from the wind

Rich , Kd0zz

As an act of plagiarism . Disclaimer: Any errors in spelling or facts are transmission errors.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Danny Musten
Sent: Tuesday, July 01, 2008 10:14 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: A Couple HF Dipole Questions

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> Sent: Tuesday, July 01, 2008 7:38 AM
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Subject: Re: [ham-antennas] A Couple HF Dipole Questions
>
>
>
> Phil,
>
> I'd like to offer that for simplicity sake, feeding the inverted
V (or
> dipole) with coax would be more simple. Perhaps not as efficient as
450 ohm
> line but simpler and cheaper. One can always "upgrade" later
>
> 73's
>
> --- On Mon, 6/30/08, Phil Bader <PBADER@...
> <mailto:PBADER%40TAMPABAY.RR.COM> > wrote:

>
> From: Phil Bader <PBADER@... <mailto:PBADER%40TAMPABAY.RR.COM> >
> Subject: Re: [ham-antennas] A Couple HF Dipole Questions
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
<mailto:ham-antennas%40yahoogroups.com>
> Date: Monday, June 30, 2008, 8:43 PM
>
> I have a basic theory for a ham starting with antennas. Keep it as
basic as
> possible. The most basic, and affordable would be an inverted V, as
high as
> possible,as long as you have room for, fed with 450 ohm flat "window
line"
> down to an antenna tuner. That's it: one all band HF dipole.
Simplicity. As
> experience and bravery develope, expand on more complexed
arrangements. It's
>
> done many a ham well.
> Phil B
> Philip Bader
> Polk County School Board
> Intercom & Fire Alarm Electronics Systems Tech
> Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006
> Amateur call: KI4NUC, Winter Haven, Fl.
> Member: Lakeland Amateur Radio Club
> http://www.lakeland arc.org/
> pbader@tampabay. rr.com
>
> ----- Original Message -----
> From: "Wayne" <wa2yne@gmail. com>
> To: <ham-antennas@ yahoogroups. com>
> Sent: Sunday, June 01, 2008 5:06 PM
> Subject: Re: [ham-antennas] A Couple HF Dipole Questions
>
> > If you build your own dipole, all you need is wire, #16 stranded
or even
> > 14 or 12 better, some insulators (you can make these out of PVC or
similar
> > material) and coaxial cable.
> > A balun is not 100% essential.
> > the dipole I put up in 2002 had no balun at first. I added a 1:1 W2AU
> > balun afterwards, and saw no real difference in performance.
> > You can form a balun of sorts by using a coil of coax at the
dipoles feed
> > point.
> > You will see many arguments pro and con about using baluns.
> > You will see many arguments saying to use ladder line to feed the
> > antenna.
> > I will simply say that a plain center fed dipole, resonant on the

lowest
> > band you plan to use, will do as well as all the other types, and
be a lot
> > less expensive to make.
> > You can often get hunks of wire free that will work as well.
> > My present antenna is a double dipole, 75 meters and 160 meters.
the 75
> > meter part is #12 insulated wire, and does well enough. the 160
meter legs
> > are mainly #16 stranded wire, also works well, and with a tuner, also
> > works well on 40 and up to 10 meters. Would work on 6, but my present
> > tuner won't work for 6 meters. I have talked around the world
using simple
> > dipoles. main thing is to get the wire up there and tuned...
> > A basic 40 meter dipole is only about 64 1/2 feet long (32 1/4
feet each
> > leg).
> > I always start a bit long and adjust downward as needed. Allow a
bit to
> > wrap at the insulators.
> > I have used both steel guy wire and heavy cords to support the ends. I
> > set mine up so I can drop the center as needed, using a pulley and
cable
> > to support the balun.
> > I have heard stations in the caribean on 160 meters (I am in West
Texas)
> > And some time back, I talked to St Thomas, virgin islands, on 40
meters
> > from near Modesto California early in the morning. Of course, it
depends
> > on time and band conditions.
> > YMMV
> > Mime-Version: 1.0
> > Content-Transfer- Encoding: 7bit
> > Content-Type: text/plain; charset=iso- 8859-15
> >
> > Wayne WA2YNE
> > Imperial, Tejas
> >
> > On Thu, 29 May 2008 21:45:33 -0500, Ronald Smith, Jr. <n2msv@...
> <mailto:n2msv%40arrl.net> >
> > wrote:
> >
> >> I want to put up my first dipole, but I only have about 70 ft of
> >> space to hang it and the dipole would only be up about 25 ft. I would
> >> like to run 40, 20, 15, and 10.
> >>
> >> I was told I should get an Alpha Delta DX-EE for starting out.
> >> But I came across the New Carolina Windom by Len Carlson K4IWL
> >> <http://www.hamunive rse.com/k4iwlnew windom.html>

> >>
> >> I'd like to try building my own dipole.
> >> I would like something I can easily rebuild / repair without a lot of
> >> expense. I get ice and wind storms in my area that cause tree damage
> >> a couple times a year. So I'm thinking the dipole I put up, will
> >> break at least once a year. Unless there are tricks for putting up a
> >> dipole to have them survive ice and wind storms.
> >>
> >> Is a New Carolina Windom dipole a good choice for a beginner or is
> >> Alpha Delta DX-EE a better choice? Or is there something else better
> >> for limited hanging space that I can build?
> >>
> >> Are all baluns the same? Is a 4:1 balun for $70, better then a 4:1
> >> balun for $35? And is worth spending the extra money?
> >>
> >> Thank for the input.
> >> Ron N2MSV
> >>
> >>
> >
> >
> >
> > --
> > Using Opera's revolutionary e-mail client: http://www.opera. com/mail/
> >
> > ---------- --------- --------- ------
> >
> > HAM ANTENNAS Anything and everything, tell us or ask questions.
Replies go
>
> > to ALL 974 members (as of 11/07/07, and attachments are NOT permitted.
> > Post message: ham-antennas@ yahoogroups. com
> > Subscribe: ham-antennas- subscribe@ yahoogroups. com
> > Unsubscribe: ham-antennas- unsubscribe@ yahoogroups. com
> > List owner: ham-antennas- owner@yahoogroup s.com
> > Yahoo! Groups Links
> >
> >
> >
> >
> > --
> > No virus found in this incoming message.
> > Checked by AVG.
> > Version: 7.5.524 / Virus Database: 269.24.4/1476 - Release Date:
5/31/2008
>
> > 12:25 PM
> >
> >
>

> ----------
>
> No virus found in this outgoing message.
> Checked by AVG.
> Version: 8.0.101 / Virus Database: 270.4.3/1526 - Release Date:
6/30/2008
> 8:43 AM
>
> [Non-text portions of this message have been removed]
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> [Non-text portions of this message have been removed]
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> [Non-text portions of this message have been removed]
>

[Non-text portions of this message have been removed]

5196. HF wire antenna made from Polywire? (electric fence wire with a difference)

Yahoo group: ham-antennas (2008)
Date: 2008-07-01 18:59:34 UTC
From: RMC
Topic: 5196 Message: 5196

Hello All

A search though the group archives highlights references to antennas/counterpoise systems made from electric fence wire, but not the sort of electric fence wire I'm looking at buying. Please could you give me some opinions?

http://www.electricfence-online.co.uk/ishop/1047/shopscr72.html

This URL shows the general idea - a polyurethane string which has weaved into it a number of thin stainless-steel cores and sometimes some Cu/Ni cores too . A typical wire might have three or six s-s cores of approx. 0.1mm or 0.2mm per core, leading to a DC resistance of approx 7R/metre.

The things is, the O.D. is approx. 2mm and the breaking strain is 70kg: for example:
http://short.zen.co.uk/?id=a7d

The idea is that the antenna will be stealthy , cheap and strong.

As far as I can see, the loss resistance for a resonant antenna (say a half-wave dipole) is dominated by the ohmic losses in the first few per cent of conductor, with diminishing I*squared*R losses as you go along. I can do some sums looking at skin depth in stainless steel and get some ideas about the losses compared with the radiation rsistance and that'll give me an efficiency.

Has anyone any experience of building wire antennas using such thin conductors? My forward power will always be less than 100W at HF.

Thanks for any observations or comments

Richard, M1JKL

5197. RE: [ham-antennas] Re: A Couple HF Dipole Questions

Yahoo group: ham-antennas (2008)
Date: 2008-07-01 19:26:10 UTC
From: James M.(Jim) Geidl
Topic: 5005 Message: 5197

Rich,

Have you got any pictures of this thing?

Jim, K6JMG
//

> [mailto:ham-antennas@yahoogroups.com] On Behalf Of Rich Schmuke
> Sent: Tuesday, July 01, 2008 10:02 AM
> To: ham-antennas@yahoogroups.com
> Subject: RE: [ham-antennas] Re: A Couple HF Dipole Questions
>
> Danny , it is direct coax fed system, no tuner is needed. If
> I move off frequency of the PSK31 then the tunner in the rig
> can handle the small
> change. I tried a Windom but it did not outperform a
> straight dipole or my
> 40m vert but the Windom had two baluns in the set up.
>
> I would have to take it down to measure the cut length. I
> knew they would interact and made them all a little longer
> and trimmed each one to the frequency I wanted with a SWR
> meter. The upper wire (80m) is cut to normal length , it is
> 14ga copperweld, The others are14 ga copper with home made
> spacers made from cut up PVC. After the 80 I trimmed the 40m
> and went from there. I split the PVC length ways into
> quarters also. One problem I had last winter was when it was
> solid ice the SWR went through the roof as the ice formed a
> resistor between the wires. The spacers are about 24" apart
> to prevent twisting from the wind
>
>
>
>
>
> Rich , Kd0zz

5198. Re: Verticals vs dipoles or windoms

Yahoo group: ham-antennas (2008)
Date: 2008-07-01 19:24:15 UTC
From: Wade
Topic: 5168 Message: 5198

If you really want to cover all of those bands with a single antenna, get an SGC auto-coupler and then get lots of wire up in the air, either a very large loop or a random wire with lots of counter-poise wires buried and the coupler grounded to a copper rod. I've tried all of the antennas you mentioned in your question and continue to use some but for true multi-band antenna I think the SGC coupler/wire has fewer compromises.

And if you're just getting into PSK you're going to love it. I can actually "play radio" while family members are in the same room.

5199. RE: [ham-antennas] HF wire antenna made from Polywire? (electric fence wire with a difference)

Yahoo group: ham-antennas (2008)
Date: 2008-07-01 19:34:42 UTC
From: James Fogg
Topic: 5196 Message: 5199

I use this stuff for electric fencing of goats and horses. I never considered it as antenna wire because it's more expensive than fence wire and might be an electrically wide diameter. The diameter of the wire is a factor in dipole calculations, but for most normal wire it's not a significant factor. As you increase the diameter it becomes significant.

As for stealth, I continue to walk into my 14ga black insulated inverted V, even though I know it's there. It's very hard to see. Polywire is bright white or orange and white so that animals can see it.

Another interesting material is polytape. It's up to 2 inches wide and might significantly alter the behavior of the antenna. I don't know if it would alter it in a good way or a bad way.

Anyone know the effects of radiator diameter in a dipole?

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
On Behalf Of RMC
Sent: Tuesday, July 01, 2008 3:00 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] HF wire antenna made from Polywire? (electric fence wire with a difference)

Hello All

A search though the group archives highlights references to antennas/counterpoise systems made from electric fence wire, but not the sort of electric fence wire I'm looking at buying. Please could you give me some opinions?

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This URL shows the general idea - a polyurethane string which has weaved into it a number of thin stainless-steel cores and sometimes some Cu/Ni cores too . A typical wire might have three or six s-s cores of approx. 0.1mm or 0.2mm per core, leading to a DC resistance of approx 7R/metre.

The things is, the O.D. is approx. 2mm and the breaking strain is 70kg: for example:
http://short.zen.co.uk/?id=a7d <http://short.zen.co.uk/?id=a7d>

The idea is that the antenna will be stealthy , cheap and strong.

As far as I can see, the loss resistance for a resonant antenna (say a half-wave dipole) is dominated by the ohmic losses in the first few per cent of conductor, with diminishing I*squared*R losses as you go along. I can do some sums looking at skin depth in stainless steel and get some ideas about the losses compared with the radiation rsistance and that'll give me an efficiency.

Has anyone any experience of building wire antennas using such thin conductors? My forward power will always be less than 100W at HF.

Thanks for any observations or comments

Richard, M1JKL

No virus found in this incoming message.
Checked by AVG.
Version: 8.0.101 / Virus Database: 270.4.3/1528 - Release Date: 7/1/2008 7:26 AM

[Non-text portions of this message have been removed]

5200. Re: [ham-antennas] HF wire antenna made from Polywire? (electric fence wire with a difference)

Yahoo group: ham-antennas (2008)
Date: 2008-07-01 19:46:49 UTC
From: danny garvin
Topic: 5196 Message: 5200

The larger the diamiter the broader the band width of the antenna.
Danny
WB9RIM

----- Original Message ----
From: James Fogg <james@jdfogg.com>
To: ham-antennas@yahoogroups.com
Sent: Tuesday, July 1, 2008 2:34:42 PM
Subject: RE: [ham-antennas] HF wire antenna made from Polywire? (electric fence wire with a difference)

I use this stuff for electric fencing of goats and horses. I never considered it as antenna wire because it's more expensive than fence wire and might be an electrically wide diameter. The diameter of the wire is a factor in dipole calculations, but for most normal wire it's not a significant factor. As you increase the diameter it becomes significant.

As for stealth, I continue to walk into my 14ga black insulated inverted V, even though I know it's there. It's very hard to see. Polywire is bright white or orange and white so that animals can see it.

Another interesting material is polytape. It's up to 2 inches wide and might significantly alter the behavior of the antenna. I don't know if it would alter it in a good way or a bad way.

Anyone know the effects of radiator diameter in a dipole?

---------- --------- --------- --

From: ham-antennas@ yahoogroups. com [mailto:ham-antennas@ yahoogroups. com]
On Behalf Of RMC
Sent: Tuesday, July 01, 2008 3:00 PM
To: ham-antennas@ yahoogroups. com
Subject: [ham-antennas] HF wire antenna made from Polywire? (electric fence wire with a difference)

Hello All

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Thanks for any observations or comments

Richard, M1JKL

No virus found in this incoming message.
Checked by AVG.
Version: 8.0.101 / Virus Database: 270.4.3/1528 - Release Date: 7/1/2008 7:26 AM

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

5201. RE: [ham-antennas] HF wire antenna made from Polywire? (electric fence wire with a difference)

Yahoo group: ham-antennas (2008)
Date: 2008-07-01 19:53:38 UTC
From: Barry Hoffman
Topic: 5196 Message: 5201

Larger diameter, broader bandwidth.

73
K7BLH

--- On Tue, 7/1/08, James Fogg <james@...> wrote:

From: James Fogg <james@...>
Subject: RE: [ham-antennas] HF wire antenna made from Polywire? (electric fence wire with a difference)
To: ham-antennas@yahoogroups.com
Date: Tuesday, July 1, 2008, 12:34 PM

I use this stuff for electric fencing of goats and horses. I never considered it as antenna wire because it's more expensive than fence wire and might be an electrically wide diameter. The diameter of the wire is a factor in dipole calculations, but for most normal wire it's not a significant factor. As you increase the diameter it becomes significant.

As for stealth, I continue to walk into my 14ga black insulated inverted V, even though I know it's there. It's very hard to see. Polywire is bright white or orange and white so that animals can see it.

Another interesting material is polytape. It's up to 2 inches wide and might significantly alter the behavior of the antenna. I don't know if it would alter it in a good way or a bad way.

Anyone know the effects of radiator diameter in a dipole?

---------- --------- --------- --

From: ham-antennas@ yahoogroups. com [mailto:ham-antennas@ yahoogroups. com]
On Behalf Of RMC
Sent: Tuesday, July 01, 2008 3:00 PM
To: ham-antennas@ yahoogroups. com
Subject: [ham-antennas] HF wire antenna made from Polywire? (electric fence wire with a difference)

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The things is, the O.D. is approx. 2mm and the breaking strain is 70kg: for example:
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Thanks for any observations or comments

Richard, M1JKL

No virus found in this incoming message.
Checked by AVG.
Version: 8.0.101 / Virus Database: 270.4.3/1528 - Release Date: 7/1/2008
7:26 AM

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

5202. Re: [ham-antennas] antenna parts

Yahoo group: ham-antennas (2008)
Date: 2008-07-01 19:16:06 UTC
From: KE7JSL@tmo.blackberry.net
Topic: 5193 Message: 5202

> I ordered some saddle clamps and other antenna
parts from a CB antenna parts supplier

Hello,

Well I first had to figure out what a saddle clamp was! I call them u-bolts :) The last time I needed one I went to the auto part store and asked for a muffler clamp. Don't know if it would be the correct size but its worth a shot. Also check your local hardware store I know they have u-bolts but I not sure about the "clamp" part.

John
KE7JSL
Sent via BlackBerry from T-Mobile

5203. RE: [ham-antennas] Re: A Couple HF Dipole Questions

Yahoo group: ham-antennas (2008)
Date: 2008-07-01 20:19:01 UTC
From: Rich Schmuke
Topic: 5005 Message: 5203

One is on the way direct.

Rich , Kd0zz

As an act of plagiarism . Disclaimer: Any errors in spelling or facts are transmission errors.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of James M.(Jim) Geidl
Sent: Tuesday, July 01, 2008 2:26 PM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Re: A Couple HF Dipole Questions

Rich,

Have you got any pictures of this thing?

Jim, K6JMG
//

> [mailto:ham-antennas@yahoogroups.com
<mailto:ham-antennas%40yahoogroups.com>] On Behalf Of Rich Schmuke
> Sent: Tuesday, July 01, 2008 10:02 AM
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Subject: RE: [ham-antennas] Re: A Couple HF Dipole Questions
>
> Danny , it is direct coax fed system, no tuner is needed. If
> I move off frequency of the PSK31 then the tunner in the rig
> can handle the small
> change. I tried a Windom but it did not outperform a
> straight dipole or my
> 40m vert but the Windom had two baluns in the set up.
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> meter. The upper wire (80m) is cut to normal length , it is
> 14ga copperweld, The others are14 ga copper with home made
> spacers made from cut up PVC. After the 80 I trimmed the 40m
> and went from there. I split the PVC length ways into
> quarters also. One problem I had last winter was when it was
> solid ice the SWR went through the roof as the ice formed a
> resistor between the wires. The spacers are about 24" apart
> to prevent twisting from the wind
>
>
>

>
>
> Rich , Kd0zz

[Non-text portions of this message have been removed]

5204. RE: [ham-antennas] HF wire antenna made from Polywire? (electric fence wire with a difference)

Yahoo group: ham-antennas (2008)
Date: 2008-07-01 20:29:38 UTC
From: Rich Schmuke
Topic: 5196 Message: 5204

I agree bigger is better, that is why I made a 20m vertical with the element 4 ½ ☐ in dia, It is a 4 ½ cage made up of 8 wires.

Rich , Kd0zz

As an act of plagiarism . Disclaimer: Any errors in spelling or facts are transmission errors.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of danny garvin
Sent: Tuesday, July 01, 2008 2:47 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] HF wire antenna made from Polywire? (electric fence wire with a difference)

The larger the diamiter the broader the band width of the antenna.
Danny
WB9RIM

----- Original Message ----
From: James Fogg <james@jdfogg.com <mailto:james%40jdfogg.com> >
To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
Sent: Tuesday, July 1, 2008 2:34:42 PM
Subject: RE: [ham-antennas] HF wire antenna made from Polywire? (electric fence wire with a difference)

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Anyone know the effects of radiator diameter in a dipole?

---------- --------- --------- --

From: ham-antennas@ yahoogroups. com [mailto:ham-antennas@ yahoogroups. com]
On Behalf Of RMC
Sent: Tuesday, July 01, 2008 3:00 PM
To: ham-antennas@ yahoogroups. com
Subject: [ham-antennas] HF wire antenna made from Polywire? (electric
fence wire with a difference)

Hello All

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the sort of electric fence wire I'm looking at buying. Please could
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The things is, the O.D. is approx. 2mm and the breaking strain is
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The idea is that the antenna will be stealthy , cheap and strong.

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along. I can do some sums looking at skin depth in stainless steel
and get some ideas about the losses compared with the radiation
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Has anyone any experience of building wire antennas using such thin
conductors? My forward power will always be less than 100W at HF.

Thanks for any observations or comments

Richard, M1JKL

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7:26 AM

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

5205. Re: [ham-antennas] HF wire antenna made from Polywire? (electric fence wire with a difference)

Yahoo group: ham-antennas (2008)
Date: 2008-07-01 21:54:54 UTC
From: Electronic Battle
Topic: 5196 Message: 5205

Thanks for the replies. The aspect that I am not so sure about is the DC resistance being that much higher than copper - 3 x 0.16mm thin stainless steel as opposed to the same sort of copper (or larger diameter).

I haven't yet worked out the skin depth in stainless steel, but the circumference of 3 lots of 0.16mm = 1.5mm which is equivalent to 0.5mm solid
wire. I wonder how the resistivity will compare at HF?

The polywire I plan to use is white so against the sky it should be difficult to see.250m for ?9 is pretty cheap, compared with hard-drawn copper for ?25 for 50m!

Richard M1JKL

> ----- Original Message -----
> From: "Rich Schmuke" <rdj@...>
> To: <ham-antennas@yahoogroups.com>
> Sent: Tuesday, July 01, 2008 9:29 PM
> Subject: RE: [ham-antennas] HF wire antenna made from Polywire? (electric
> fence wire with a difference)
>
>
> I agree bigger is better, that is why I made a 20m vertical with the
> element 4 ? " in dia, It is a 4 ? cage made up of 8 wires.
>
>
>
>
>
> Rich , Kd0zz
>
>
>
> As an act of plagiarism . Disclaimer: Any errors in spelling or facts are
> transmission errors.
>
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>
>
>
> From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> On
> Behalf Of danny garvin
> Sent: Tuesday, July 01, 2008 2:47 PM

> To: ham-antennas@yahoogroups.com
> Subject: Re: [ham-antennas] HF wire antenna made from Polywire? (electric
> fence wire with a difference)
>
>
>
> The larger the diamiter the broader the band width of the antenna.
> Danny
> WB9RIM
>
> ----- Original Message ----
> From: James Fogg <james@... <mailto:james%40jdfogg.com> >
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Sent: Tuesday, July 1, 2008 2:34:42 PM
> Subject: RE: [ham-antennas] HF wire antenna made from Polywire? (electric
> fence wire with a difference)
>
> I use this stuff for electric fencing of goats and horses. I never
> considered it as antenna wire because it's more expensive than fence
> wire and might be an electrically wide diameter. The diameter of the
> wire is a factor in dipole calculations, but for most normal wire it's
> not a significant factor. As you increase the diameter it becomes
> significant.
>
> As for stealth, I continue to walk into my 14ga black insulated inverted
> V, even though I know it's there. It's very hard to see. Polywire is
> bright white or orange and white so that animals can see it.
>
> Another interesting material is polytape. It's up to 2 inches wide and
> might significantly alter the behavior of the antenna. I don't know if
> it would alter it in a good way or a bad way.
>
> Anyone know the effects of radiator diameter in a dipole?
>
> _____ _____ _____ __
>
> From: ham-antennas@ yahoogroups. com [mailto:ham-antennas@ yahoogroups.
> com]
> On Behalf Of RMC
> Sent: Tuesday, July 01, 2008 3:00 PM
> To: ham-antennas@ yahoogroups. com
> Subject: [ham-antennas] HF wire antenna made from Polywire? (electric
> fence wire with a difference)
>
> Hello All
>
> A search though the group archives highlights references to
> antennas/counterpoi se systems made from electric fence wire, but not
> the sort of electric fence wire I'm looking at buying. Please could
> you give me some opinions?

>
> http://www.electric fence-online. co.uk/ishop/ 1047/shopscr72. html
> <http://www.electric fence-online. co.uk/ishop/ 1047/shopscr72. html>
>
> This URL shows the general idea - a polyurethane string which has
> weaved into it a number of thin stainless-steel cores and sometimes
> some Cu/Ni cores too . A typical wire might have three or six s-s
> cores of approx. 0.1mm or 0.2mm per core, leading to a DC resistance
> of approx 7R/metre.
>
> The things is, the O.D. is approx. 2mm and the breaking strain is
> 70kg: for example:
> http://short. zen.co.uk/ ?id=a7d <http://short. zen.co.uk/ ?id=a7d>
>
> The idea is that the antenna will be stealthy , cheap and strong.
>
> As far as I can see, the loss resistance for a resonant antenna (say
> a half-wave dipole) is dominated by the ohmic losses in the first few
> per cent of conductor, with diminishing I*squared*R losses as you go
> along. I can do some sums looking at skin depth in stainless steel
> and get some ideas about the losses compared with the radiation
> rsistance and that'll give me an efficiency.
>
> Has anyone any experience of building wire antennas using such thin
> conductors? My forward power will always be less than 100W at HF.
>
> Thanks for any observations or comments
>
> Richard, M1JKL
>
> No virus found in this incoming message.
> Checked by AVG.
> Version: 8.0.101 / Virus Database: 270.4.3/1528 - Release Date: 7/1/2008
> 7:26 AM
>
> [Non-text portions of this message have been removed]
>
> [Non-text portions of this message have been removed]
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> [Non-text portions of this message have been removed]
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> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
> to ALL 974 members (as of 11/07/07, and attachments are NOT permitted.

> Post message: ham-antennas@yahoogroups.com
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> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
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> Yahoo! Groups Links
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>
>

5206. RE: [ham-antennas] antenna parts

Yahoo group: ham-antennas (2008)
Date: 2008-07-01 23:02:23 UTC
From: G B
Topic: 5193 Message: 5206

Roger, roger, but they would not be stainless steel :-(

Glen

-----Original Message-----
From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]On
Behalf Of KE7JSL@...
Sent: Tuesday, July 01, 2008 3:16 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] antenna parts

> I ordered some saddle clamps and other antenna
parts from a CB antenna parts supplier

Hello,

Well I first had to figure out what a saddle clamp was! I call them
u-bolts :) The last time I needed one I went to the auto part store and
asked for a muffler clamp. Don't know if it would be the correct size but
its worth a shot. Also check your local hardware store I know they have
u-bolts but I not sure about the "clamp" part.

John
KE7JSL
Sent via BlackBerry from T-Mobile

[Non-text portions of this message have been removed]

5207. RE: [ham-antennas] HF wire antenna made from Polywire? (electric fence wire with a difference)

Yahoo group: ham-antennas (2008)
Date: 2008-07-01 23:07:42 UTC
From: James M.(Jim) Geidl
Topic: 5196 Message: 5207

I guess I would want to know a little bit more about the capacitance issues.
I would think all those strands insulated from one another would make 6 or 9
parallel capacitors.

Jim, K6JMG
//

> [mailto:ham-antennas@yahoogroups.com] On Behalf Of Electronic Battle
> Sent: Tuesday, July 01, 2008 2:55 PM
> To: ham-antennas@yahoogroups.com
> Subject: Re: [ham-antennas] HF wire antenna made from
> Polywire? (electric fence wire with a difference)
>
>
>
> Thanks for the replies. The aspect that I am not so sure
> about is the DC resistance being that much higher than
> copper - 3 x 0.16mm thin stainless steel as opposed to the
> same sort of copper (or larger diameter).
>
> I haven't yet worked out the skin depth in stainless steel,
> but the circumference of 3 lots of 0.16mm = 1.5mm which is
> equivalent to 0.5mm solid wire. I wonder how the
> resistivity will compare at HF?
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> The polywire I plan to use is white so against the sky it
> should be difficult to see.250m for £9 is pretty cheap,
> compared with hard-drawn copper for £25 for 50m!
>
> Richard M1JKL
>
> > ----- Original Message -----
> > From: "Rich Schmuke" <rdj@...>
> > To: <ham-antennas@yahoogroups.com>
> > Sent: Tuesday, July 01, 2008 9:29 PM
> > Subject: RE: [ham-antennas] HF wire antenna made from Polywire?
> > (electric fence wire with a difference)
> >
> >
> > I agree bigger is better, that is why I made a 20m vertical
> with the
> > element 4 ½ " in dia, It is a 4 ½ cage made up of 8 wires.
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> > Rich , Kd0zz
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> >
> > As an act of plagiarism . Disclaimer: Any errors in
> spelling or facts
> > are transmission errors.
> >
> >
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> >
> > From: ham-antennas@yahoogroups.com
> > [mailto:ham-antennas@yahoogroups.com]
> > On
> > Behalf Of danny garvin
> > Sent: Tuesday, July 01, 2008 2:47 PM
> > To: ham-antennas@yahoogroups.com
> > Subject: Re: [ham-antennas] HF wire antenna made from Polywire?
> > (electric fence wire with a difference)
> >
> >
> >
> > The larger the diamiter the broader the band width of the antenna.
> > Danny
> > WB9RIM
> >
> > ----- Original Message ----
> > From: James Fogg <james@... <mailto:james%40jdfogg.com> >
> > To: ham-antennas@yahoogroups.com
> > <mailto:ham-antennas%40yahoogroups.com>
> > Sent: Tuesday, July 1, 2008 2:34:42 PM
> > Subject: RE: [ham-antennas] HF wire antenna made from Polywire?
> > (electric fence wire with a difference)
> >
> > I use this stuff for electric fencing of goats and horses. I never
> > considered it as antenna wire because it's more expensive
> than fence
> > wire and might be an electrically wide diameter. The
> diameter of the
> > wire is a factor in dipole calculations, but for most
> normal wire it's
> > not a significant factor. As you increase the diameter it becomes
> > significant.
> >
> > As for stealth, I continue to walk into my 14ga black insulated
> > inverted V, even though I know it's there. It's very hard to see.

> > Polywire is bright white or orange and white so that
> animals can see it.
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> > Another interesting material is polytape. It's up to 2
> inches wide and
> > might significantly alter the behavior of the antenna. I
> don't know if
> > it would alter it in a good way or a bad way.
> >
> > Anyone know the effects of radiator diameter in a dipole?
> >
> > _____ _____ _____ __
> >
> > From: ham-antennas@ yahoogroups. com [mailto:ham-antennas@
> yahoogroups.
> > com]
> > On Behalf Of RMC
> > Sent: Tuesday, July 01, 2008 3:00 PM
> > To: ham-antennas@ yahoogroups. com
> > Subject: [ham-antennas] HF wire antenna made from Polywire?
> (electric
> > fence wire with a difference)
> >
> > Hello All
> >
> > A search though the group archives highlights references to
> > antennas/counterpoi se systems made from electric fence
> wire, but not
> > the sort of electric fence wire I'm looking at buying. Please could
> > you give me some opinions?
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> > http://www.electric fence-online. co.uk/ishop/ 1047/shopscr72. html
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> > This URL shows the general idea - a polyurethane string which has
> > weaved into it a number of thin stainless-steel cores and sometimes
> > some Cu/Ni cores too . A typical wire might have three or six s-s
> > cores of approx. 0.1mm or 0.2mm per core, leading to a DC
> resistance
> > of approx 7R/metre.
> >
> > The things is, the O.D. is approx. 2mm and the breaking strain is
> > 70kg: for example:
> > http://short. zen.co.uk/ ?id=a7d <http://short. zen.co.uk/ ?id=a7d>
> >
> > The idea is that the antenna will be stealthy , cheap and strong.
> >
> > As far as I can see, the loss resistance for a resonant
> antenna (say a

> > half-wave dipole) is dominated by the ohmic losses in the first few
> > per cent of conductor, with diminishing I*squared*R losses
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> > along. I can do some sums looking at skin depth in
> stainless steel and
> > get some ideas about the losses compared with the radiation
> rsistance
> > and that'll give me an efficiency.
> >
> > Has anyone any experience of building wire antennas using such thin
> > conductors? My forward power will always be less than 100W at HF.
> >
> > Thanks for any observations or comments
> >
> > Richard, M1JKL

5208. RE: [ham-antennas] antenna parts

Yahoo group: ham-antennas (2008)
Date: 2008-07-01 23:09:36 UTC
From: Bob T.
Topic: 5193 Message: 5208

Hi,
I needed a couple last year... went to the local boat shop and they were stainless steel..... a bit pricy..... but when you need them you'll pay a few dollars more.
take care.
73, Bob ke6kjd

----- Original Message -----
From: "G B" <microsys@...>
To: <ham-antennas@yahoogroups.com>
Date: Tue, 1 Jul 2008 19:02:23 -0400
Subject: RE: [ham-antennas] antenna parts

> Roger, roger, but they would not be stainless steel :-(
>
> Glen
>
> -----Original Message-----
> From: ham-antennas@ yahoogroups. com [mailto:ham-antennas@ yahoogroups. com]On
> Behalf Of KE7JSL@... ry.net
> Sent: Tuesday, July 01, 2008 3:16 PM
> To: ham-antennas@ yahoogroups. com
> Subject: Re: [ham-antennas] antenna parts
>
> > I ordered some saddle clamps and other antenna
> parts from a CB antenna parts supplier
>
> Hello,
>
> Well I first had to figure out what a saddle clamp was! I call them
> u-bolts :) The last time I needed one I went to the auto part store and
> asked for a muffler clamp. Don't know if it would be the correct size but
> its worth a shot. Also check your local hardware store I know they have
> u-bolts but I not sure about the "clamp" part.
>
> John
> KE7JSL
> Sent via BlackBerry from T-Mobile
>
> [Non-text portions of this message have been removed]
>
>
>

5209. Antenna Coax Grounding - Need input

Yahoo group: ham-antennas (2008)
Date: 2008-07-02 10:55:29 UTC
From: John P.
Topic: 5209 Message: 5209

I need input on grounding.

The setup here.....

2 Fan dipoles separately fed with RG8x. about 40-45 foot to ground.
At that poing (50 feet of coax) a ground rod is driven and all the shields are bonded to this ground.
Another 50 feet of RG8x goes undergroung (thru PVC pipe) to house.
Another bonding point just inside house entry for all the shields.

THE QUESTION.

Pounding another 8 foot ground rod at the house entry is impossible since it comes out under a deck that is 4 foot high and 8 foot wide.
I can use 1) a 3 foot length pieces of pipe, 2) cut a standard 8 foot grounding rod down, or 3) pound several pieces of welding rod bound together.

Any suggestions for this "entry ground" would be appreciated as I'm sure others have encountered similar problems.
Note that I do realize that bonding it to house ground is not possible (40 foot away) and obviously not to the ground lug of the power outlet either.

Thanks in Advance.

[Non-text portions of this message have been removed]

5210. RE: [ham-antennas] HF wire antenna made from Polywire? (electric fence wire with a difference)

Yahoo group: ham-antennas (2008)
Date: 2008-07-02 13:23:33 UTC
From: James Fogg
Topic: 5196 Message: 5210

The strands are woven, so they continually cross each other. It would be similar to using coax braid for a dipole, but with fewer strands.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of James M.(Jim) Geidl
Sent: Tuesday, July 01, 2008 7:08 PM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] HF wire antenna made from Polywire? (electric fence wire with a difference)

I guess I would want to know a little bit more about the capacitance issues.
I would think all those strands insulated from one another would make 6 or 9 parallel capacitors.

Jim, K6JMG
//

> [mailto:ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>] On Behalf Of Electronic Battle
> Sent: Tuesday, July 01, 2008 2:55 PM
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Subject: Re: [ham-antennas] HF wire antenna made from
> Polywire? (electric fence wire with a difference)
>
>
>
> Thanks for the replies. The aspect that I am not so sure
> about is the DC resistance being that much higher than
> copper - 3 x 0.16mm thin stainless steel as opposed to the
> same sort of copper (or larger diameter).
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> I haven't yet worked out the skin depth in stainless steel,
> but the circumference of 3 lots of 0.16mm = 1.5mm which is
> equivalent to 0.5mm solid wire. I wonder how the
> resistivity will compare at HF?
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> The polywire I plan to use is white so against the sky it
> should be difficult to see.250m for £9 is pretty cheap,
> compared with hard-drawn copper for £25 for 50m!
>
> Richard M1JKL
>
> > ----- Original Message -----

> > From: "Rich Schmuke" <rdj@... <mailto:rdj%40wildblue.net> >
> > To: <ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com> >
> > Sent: Tuesday, July 01, 2008 9:29 PM
> > Subject: RE: [ham-antennas] HF wire antenna made from Polywire?
> > (electric fence wire with a difference)
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> >
> > I agree bigger is better, that is why I made a 20m vertical
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> > element 4 ½ " in dia, It is a 4 ½ cage made up of 8 wires.
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> > are transmission errors.
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> >
> > From: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> > [mailto:ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>]
> > On
> > Behalf Of danny garvin
> > Sent: Tuesday, July 01, 2008 2:47 PM
> > To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> > Subject: Re: [ham-antennas] HF wire antenna made from Polywire?
> > (electric fence wire with a difference)
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> >
> >
> > The larger the diamiter the broader the band width of the antenna.
> > Danny
> > WB9RIM
> >
> > ----- Original Message ----
> > From: James Fogg <james@... <mailto:james%40jdfogg.com> <mailto:james%40jdfogg.com> >
> > To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> > <mailto:ham-antennas%40yahoogroups.com>
> > Sent: Tuesday, July 1, 2008 2:34:42 PM
> > Subject: RE: [ham-antennas] HF wire antenna made from Polywire?
> > (electric fence wire with a difference)
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> > I use this stuff for electric fencing of goats and horses. I never
> > considered it as antenna wire because it's more expensive
> than fence
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> > inverted V, even though I know it's there. It's very hard to see.
> > Polywire is bright white or orange and white so that
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> > Anyone know the effects of radiator diameter in a dipole?
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> > From: ham-antennas@ yahoogroups. com [mailto:ham-antennas@
> yahoogroups.
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> > On Behalf Of RMC
> > Sent: Tuesday, July 01, 2008 3:00 PM
> > To: ham-antennas@ yahoogroups. com
> > Subject: [ham-antennas] HF wire antenna made from Polywire?
> (electric
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> > Hello All
> >
> > A search though the group archives highlights references to
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> wire, but not
> > the sort of electric fence wire I'm looking at buying. Please could
> > you give me some opinions?
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> > This URL shows the general idea - a polyurethane string which has
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> > some Cu/Ni cores too . A typical wire might have three or six s-s

> > cores of approx. 0.1mm or 0.2mm per core, leading to a DC
> resistance
> > of approx 7R/metre.
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> > The things is, the O.D. is approx. 2mm and the breaking strain is
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> > http://short. zen.co.uk/ ?id=a7d <http://short. zen.co.uk/ ?id=a7d>
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> > Has anyone any experience of building wire antennas using such thin
> > conductors? My forward power will always be less than 100W at HF.
> >
> > Thanks for any observations or comments
> >
> > Richard, M1JKL

No virus found in this incoming message.
Checked by AVG.
Version: 8.0.101 / Virus Database: 270.4.3/1528 - Release Date: 7/1/2008 7:26 AM

[Non-text portions of this message have been removed]

5211. Re: HF wire antenna made from Polywire? (electric fence wire with a difference)

Yahoo group: ham-antennas (2008)
Date: 2008-07-02 14:57:33 UTC
From: w8nf
Topic: 5196 Message: 5211

--- In ham-antennas@yahoogroups.com, "James Fogg" <james@...> wrote:
>
> The strands are woven, so they continually cross each other. It
would be similar to using coax braid for a dipole, but with fewer strands.
>

I'd only be concerned with the material of the wire. Did you say
they're stainless steel? That's not a great conductor. Efficiency
could suffer.

Any reason you can't use the 26 gauge stranded copperweld offered by
many antenna wire suppliers? It's pretty darned tiny and lightweight.

The poly/woven electric fence wire we can get around here is bright
yellow - it is intended to be very visible, which would work against
your objective.

Dave W8NF

5212. Re: antenna parts

Yahoo group: ham-antennas (2008)
Date: 2008-07-02 16:25:00 UTC
From: Keith
Topic: 5193 Message: 5212

You can get stainless U-bolts and hardware from McMaster-Carr.
http://www.mcmaster.com

Keith

--- In ham-antennas@yahoogroups.com, "G B" <microsys@...> wrote:
>
> Hello,
>
> I ordered some saddle clamps and other antenna
> parts from a CB antenna parts supplier a year or
> so ago, but I cannot find their name anymore.
>
> Does anyone know who I am thinking of?
>
> I am not impressed with DX Engineering prices!
>
> 73's
>
> Glen K4KV

5213. G5RV changes

Yahoo group: ham-antennas (2008)
Date: 2008-07-02 16:51:15 UTC
From: noswadplease
Topic: 5213 Message: 5213

I currently have a G5RV 204ft in a vee from the roof (15') to two trees about 55 ft apart. The ends of the antenna are about 17 ft up with a wire making a closed loop going up about 28'. My plan is to put up two 48' fiberglass poles near where the antenna ends. The antenna will start at 15' high and end at 48'. I have two questions. I would need to make the antenna longer to reach the heighth. Would this adversely affect the receiving or make any improvement? I am also considering closing the loop at 48ft. I am wondering at this height would it make much of a difference? It would definitely be easier not to, than trying to get a wire thru branches at 48ft up. I am using the antenna for receiving only. The antenna has 64 ft of ladder line and 140ft of coax, lightning arrestor and grounded of course with an Mfj 956 tuner. Any input would be greatly appreciated.

5214. Re: [ham-antennas] G5RV changes

Yahoo group: ham-antennas (2008)
Date: 2008-07-02 17:00:09 UTC
From: Chris
Topic: 5213 Message: 5214

On Wed, Jul 2, 2008 at 12:51 PM, noswadplease <ewdawso_1@...> wrote:
> I currently have a G5RV 204ft in a vee from the roof (15') to two trees
> about 55 ft apart. The ends of the antenna are about 17 ft up with a
> wire making a closed loop going up about 28'.

I'm not understanding this, so the ends drop to 17' and you have the antenna tied to a wire loop at 28' high also?

>My plan is to put up two
> 48' fiberglass poles near where the antenna ends. The antenna will
> start at 15' high and end at 48'. I have two questions. I would need
> to make the antenna longer to reach the heighth.

Just tie off support ropes to the end insulators? No need to lengthen the antenna legs, just make the tie-off ropes longer.

>Would this adversely
> affect the receiving or make any improvement? I am also considering
> closing the loop at 48ft. I am wondering at this height would it make
> much of a difference? It would definitely be easier not to, than trying
> to get a wire thru branches at 48ft up. I am using the antenna for
> receiving only.

Hmm receive only, well if you connect the ends of the dipole to form a loop, you may notice better noise rejection characteristics.

Until I 'get it' with what you mean about the loops you mention, I'm still a bit in the dark to really comment.

My G5RV had insulators at the end of each leg, through those, I put support ropes. I also had a rope through the feed point at the center to raise it up.

5215. RE:G5RV changes

Yahoo group: ham-antennas (2008)
Date: 2008-07-02 18:33:10 UTC
From: noswadplease
Topic: 5213 Message: 5215

Hi Chris,
I have the apex of the vee attached to the peak of the roof which is 15' high.
The antenna spreads into a vee 102' long 17' above the ground. At the end before the insulator I attached a wire going up thru the trees about 28' high and then attached to the other side to make a closed loop. Sorry for any confusion. Ed Dawson

5216. Re: [ham-antennas] RE:G5RV changes

Yahoo group: ham-antennas (2008)
Date: 2008-07-02 18:37:03 UTC
From: Chris
Topic: 5213 Message: 5216

Ah o.k. for receive only, using a tuner, you can pretty much do what
you want as the tuner will fix the resonance if you change the wire
length.

On Wed, Jul 2, 2008 at 2:33 PM, noswadplease <ewdawso_1@...> wrote:
> Hi Chris,
> I have the apex of the vee attached to the peak of the roof which is
> 15' high.
> The antenna spreads into a vee 102' long 17' above the ground. At the
> end before the insulator I attached a wire going up thru the trees
> about 28' high and then attached to the other side to make a closed
> loop. Sorry for any confusion. Ed Dawson
>
>
> ----------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 974
members (as of 11/07/07, and attachments are NOT permitted.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
>

5217. Re: [ham-antennas] Re: antenna parts

Yahoo group: ham-antennas (2008)
Date: 2008-07-02 19:41:33 UTC
From: Garth Conover
Topic: 5193 Message: 5217

Not 100% sure but from my dealings with McMaster-Carr you might learn to like DX Eng. prices. But the McMaster-Carr (Yellow Bible) as many call it is indispensable for hardware brainstorming and a great comparison for pricing.

they are and always have been hard to get. But the McMaster-Carr Yellow Bible as I call it is indispensable for hard ware brainstorming and a great comparison for pricing. If you have a large used book store around your area, you just may find a copy of the "bible" Often a good source for vintage QST, and reasonably current ARRL publications. A good portion of my technical library QST's Some 50 years worth, along with ARRL handbooks and antenna books from ARRL and others have come from 2 used book outlets just a few miles form home.

Good luck

Garth N2BMP

[Non-text portions of this message have been removed]

5218. Re: [ham-antennas] Antenna Coax Grounding - Need input

Yahoo group: ham-antennas (2008)
Date: 2008-07-02 20:43:42 UTC
From: Phil Bader
Topic: 5209 Message: 5218

Well. Usually the idea is to have all grounds at the same potential. A ground stake at one end of a run, and another ground 50 or 100 feet away may not have (probably won't have) the same electrical potential. The cable and telephone co's like to have their cable entrances to the house at the electric meter/weatherhead's ground point,and strap to that,thus tieing the houses electrical ground to their cable's ground keeping both at same potential.
Remember, with a lightning strike,there will be a "ground current" set up in the earth around your QTH. With a small resistance over a hundred feet could translate into thousands of volts. I usually strapped all my grounds together if possible: The tower base, coax shields, on into the shack to my equipement,and also to the shack's (home's) electrical ground. I had a "buss bar" or a 4 fot length of copper tubing behind the rig, with heavy copper braid attached with radiator clamps, and on to each peice of equipment.
Note also, that in most areas a typical 6' ground rod offers little reduction in resistance to ground. Usually an irrigation well casing,or series of rods driven into earth and strapped together is preferred.
Lets say you have a small satalite dish out in the yard on a post. At that point you have one ground rod driven,and attached to the dish. Now the coax runs across the dirt, into the home,and is grounded behind the box at the wall. That wall's receptical ground,and the disk's ground in the yard may be way different,and thousands of ohms apart,hence thousands of volts apart in the presence of ground current due to a local strike. That POTENTIAL difference is what can cause the damage.
A good and proper grounding system will help with rcvr static, shock hazards and lightning dissipation. Sorry for the long winded response-
Best, Phil
Philip Bader
Polk County School Board
Intercom & Fire Alarm Electronics Systems Tech
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakelandarc.org/
pbader@...

----- Original Message -----
From: John P.
To: ham-antennas@yahoogroups.com
Sent: Wednesday, July 02, 2008 6:55 AM
Subject: [ham-antennas] Antenna Coax Grounding - Need input

I need input on grounding.

The setup here.....

2 Fan dipoles separately fed with RG8x. about 40-45 foot to ground.
At that poing (50 feet of coax) a ground rod is driven and all the shields are bonded to this ground.
Another 50 feet of RG8x goes undergroung (thru PVC pipe) to house.

Another bonding point just inside house entry for all the shields.

THE QUESTION.

Pounding another 8 foot ground rod at the house entry is impossible since it comes out under a deck that is 4 foot high and 8 foot wide.
I can use 1) a 3 foot length pieces of pipe, 2) cut a standard 8 foot grounding rod down, or 3) pound several pieces of welding rod bound together.

Any suggestions for this "entry ground" would be appreciated as I'm sure others have encountered similar problems.
Note that I do realize that bonding it to house ground is not possible (40 foot away) and obviously not to the ground lug of the power outlet either.

Thanks in Advance.

[Non-text portions of this message have been removed]

No virus found in this incoming message.
Checked by AVG.
Version: 8.0.101 / Virus Database: 270.4.3/1529 - Release Date: 7/1/2008 7:23 PM

No virus found in this outgoing message.
Checked by AVG.
Version: 8.0.101 / Virus Database: 270.4.3/1529 - Release Date: 7/1/2008 7:23 PM

[Non-text portions of this message have been removed]

5219. Re: [ham-antennas] Antenna Coax Grounding - Need input

Yahoo group: ham-antennas (2008)
Date: 2008-07-02 21:01:40 UTC
From: John P.
Topic: 5209 Message: 5219

Phil,

Thank you for your articulate and detailed reply.

I do know and agree that bonding the grounds is the best way to go.

What I am trying to do - to list just a couple of things is:
1) allow for grounding as close to the point that the 2 coax lines go under ground;
2) allow for grounding at the station or as close as possible;
3) reduce the possible impact of nearby lightning static discharge;

I am trying for the best compromise with the greatest reduction in the probability of damage.

I do realize that a for a direct hit anything is possible. BTW, I always disconnect ALL antennas when I'm not operating ---- & I do not operate in thunderstorms either. The only 100% sure thing is to become an SK and then have no worries - not an option though.

73's

--- On Wed, 7/2/08, Phil Bader <PBADER@...> wrote:

From: Phil Bader <PBADER@...>
Subject: Re: [ham-antennas] Antenna Coax Grounding - Need input
To: ham-antennas@yahoogroups.com
Date: Wednesday, July 2, 2008, 4:43 PM

Well. Usually the idea is to have all grounds at the same potential. A ground stake at one end of a run, and another ground 50 or 100 feet away may not have (probably won't have) the same electrical potential. The cable and telephone co's like to have their cable entrances to the house at the electric meter/weatherhead' s ground point,and strap to that,thus tieing the houses electrical ground to their cable's ground keeping both at same potential. Remember, with a lightning strike,there will be a "ground current" set up in the earth around your QTH. With a small resistance over a hundred feet could translate into thousands of volts. I usually strapped all my grounds together if possible: The tower base, coax shields, on into the shack to my equipement,and also to the shack's (home's) electrical ground. I had a "buss bar" or a 4 fot length of copper tubing behind the rig, with heavy copper braid attached with radiator clamps, and on to each peice of equipment.
Note also, that in most areas a typical 6' ground rod offers little reduction in resistance to ground. Usually an irrigation well casing,or series of rods driven into earth and strapped together is preferred.
Lets say you have a small satalite dish out in the yard on a post. At that point you have one ground rod driven,and attached to the dish. Now the coax runs across the dirt, into the home,and is grounded behind the box at the wall. That wall's receptical ground,and the disk's ground in the yard may be way different,and thousands of ohms apart,hence thousands of volts apart in the presence of ground current due to a local strike. That POTENTIAL

difference is what can cause the damage.
A good and proper grounding system will help with rcvr static, shock hazards and lightning dissipation. Sorry for the long winded response-
Best, Phil
Philip Bader
Polk County School Board
Intercom & Fire Alarm Electronics Systems Tech
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakeland arc.org/
pbader@tampabay. rr.com

----- Original Message -----
From: John P.
To: ham-antennas@ yahoogroups. com
Sent: Wednesday, July 02, 2008 6:55 AM
Subject: [ham-antennas] Antenna Coax Grounding - Need input

I need input on grounding.

The setup here.....

2 Fan dipoles separately fed with RG8x. about 40-45 foot to ground.
At that poing (50 feet of coax) a ground rod is driven and all the shields are bonded to this ground.
Another 50 feet of RG8x goes undergroung (thru PVC pipe) to house.
Another bonding point just inside house entry for all the shields.

THE QUESTION.

Pounding another 8 foot ground rod at the house entry is impossible since it comes out under a deck that is 4 foot high and 8 foot wide.
I can use 1) a 3 foot length pieces of pipe, 2) cut a standard 8 foot grounding rod down, or 3) pound several pieces of welding rod bound together.

Any suggestions for this "entry ground" would be appreciated as I'm sure others have encountered similar problems.
Note that I do realize that bonding it to house ground is not possible (40 foot away) and obviously not to the ground lug of the power outlet either.

Thanks in Advance.

[Non-text portions of this message have been removed]

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[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

5220. Re: RE:G5RV changes

Yahoo group: ham-antennas (2008)
Date: 2008-07-02 22:11:24 UTC
From: noswadplease
Topic: 5213 Message: 5220

--- In ham-antennas@yahoogroups.com, Chris <kingsqueak@...> wrote:
>Thanks for your input Chris I thought that might be the case but
wasn't sure. One thing about this hobby you learn something new
every day and there is always someone more knowlegeable than you who
is willing to help. Thanks again Ed Dawson

> Ah o.k. for receive only, using a tuner, you can pretty much do what
> you want as the tuner will fix the resonance if you change the wire
> length.
>
> On Wed, Jul 2, 2008 at 2:33 PM, noswadplease <ewdawso_1@...> wrote:
> > Hi Chris,
> > I have the apex of the vee attached to the peak of the roof
which is
> > 15' high.
> > The antenna spreads into a vee 102' long 17' above the ground.
At the
> > end before the insulator I attached a wire going up thru the trees
> > about 28' high and then attached to the other side to make a
closed
> > loop. Sorry for any confusion. Ed Dawson
> >
> >
> > ------------------------------------
> >
> > HAM ANTENNAS Anything and everything, tell us or ask questions.
Replies go to ALL 974 members (as of 11/07/07, and attachments are
NOT permitted.
> > Post message: ham-antennas@yahoogroups.com
> > Subscribe: ham-antennas-subscribe@yahoogroups.com
> > Unsubscribe: ham-antennas-unsubscribe@...m
> > List owner: ham-antennas-owner@yahoogroups.com
> > Yahoo! Groups Links
> >
> >
> >
> >
>

5221. Re: [ham-antennas] Antenna Coax Grounding - Need input

Yahoo group: ham-antennas (2008)
Date: 2008-07-02 22:55:54 UTC
From: Phil Bader
Topic: 5209 Message: 5221

OK- At the antenna base at the 50 foot point where you bond the coax grounds together to a ground rod, I would bond at least a #10 copper wire,and feed on thru the PVC with the coaxes,on to the house entry point, where you again bond all shields to this #10 wire,and again at that end feed the wire to a ground at the house end if possible. That bonds every end the same. and with the house electrical ground.
Phil
Philip Bader
Polk County School Board
Intercom & Fire Alarm Electronics Systems Tech
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakelandarc.org/
pbader@...

----- Original Message -----
From: John P.
To: ham-antennas@yahoogroups.com
Sent: Wednesday, July 02, 2008 5:01 PM
Subject: Re: [ham-antennas] Antenna Coax Grounding - Need input

Phil,

Thank you for your articulate and detailed reply.

I do know and agree that bonding the grounds is the best way to go.

What I am trying to do - to list just a couple of things is:
1) allow for grounding as close to the point that the 2 coax lines go under ground;
2) allow for grounding at the station or as close as possible;
3) reduce the possible impact of nearby lightning static discharge;

I am trying for the best compromise with the greatest reduction in the probability of damage.

I do realize that a for a direct hit anything is possible. BTW, I always disconnect ALL antennas when I'm not operating ---- & I do not operate in thunderstorms either. The only 100% sure thing is to become an SK and then have no worries - not an option though.

73's

--- On Wed, 7/2/08, Phil Bader <PBADER@...> wrote:

From: Phil Bader <PBADER@...>
Subject: Re: [ham-antennas] Antenna Coax Grounding - Need input
To: ham-antennas@yahoogroups.com
Date: Wednesday, July 2, 2008, 4:43 PM

Well. Usually the idea is to have all grounds at the same potential. A ground stake at one end of a run, and another ground 50 or 100 feet away may not have (probably won't have) the same electrical potential. The cable and telephone co's like to have their cable entrances to the house at the electric meter/weatherhead' s ground point,and strap to that,thus tieing the houses electrical ground to their cable's ground keeping both at same potential. Remember, with a lightning strike,there will be a "ground current" set up in the earth around your QTH. With a small resistance over a hundred feet could translate into thousands of volts. I usually strapped all my grounds together if possible: The tower base, coax shields, on into the shack to my equipement,and also to the shack's (home's) electrical ground. I had a "buss bar" or a 4 fot length of copper tubing behind the rig, with heavy copper braid attached with radiator clamps, and on to each peice of equipment.
Note also, that in most areas a typical 6' ground rod offers little reduction in resistance to ground. Usually an irrigation well casing,or series of rods driven into earth and strapped together is preferred.
Lets say you have a small satalite dish out in the yard on a post. At that point you have one ground rod driven,and attached to the dish. Now the coax runs across the dirt, into the home,and is grounded behind the box at the wall. That wall's receptical ground,and the disk's ground in the yard may be way different,and thousands of ohms apart,hence thousands of volts apart in the presence of ground current due to a local strike. That POTENTIAL difference is what can cause the damage.
A good and proper grounding system will help with rcvr static, shock hazards and lightning dissipation. Sorry for the long winded response-
Best, Phil
Philip Bader
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Intercom & Fire Alarm Electronics Systems Tech
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakeland arc.org/
pbader@tampabay. rr.com

----- Original Message -----
From: John P.
To: ham-antennas@ yahoogroups. com
Sent: Wednesday, July 02, 2008 6:55 AM
Subject: [ham-antennas] Antenna Coax Grounding - Need input

I need input on grounding.

The setup here.....

2 Fan dipoles separately fed with RG8x. about 40-45 foot to ground.
At that poing (50 feet of coax) a ground rod is driven and all the shields are bonded to this ground.
Another 50 feet of RG8x goes undergroung (thru PVC pipe) to house.
Another bonding point just inside house entry for all the shields.

THE QUESTION.

Pounding another 8 foot ground rod at the house entry is impossible since it comes out under a deck that is 4 foot high and 8 foot wide.

I can use 1) a 3 foot length pieces of pipe, 2) cut a standard 8 foot grounding rod down, or 3) pound several pieces of welding rod bound together.

Any suggestions for this "entry ground" would be appreciated as I'm sure others have encountered similar problems.
Note that I do realize that bonding it to house ground is not possible (40 foot away) and obviously not to the ground lug of the power outlet either.

Thanks in Advance.

[Non-text portions of this message have been removed]

No virus found in this incoming message.
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[Non-text portions of this message have been removed]

5222. Re: [ham-antennas] Antenna Coax Grounding - Need input

Yahoo group: ham-antennas (2008)
Date: 2008-07-03 00:36:55 UTC
From: John P.
Topic: 5209 Message: 5222

Phil,

I like the suggestion - thank you.

I will probably have to vary slightly since the entry point is before the Service Ground.

1) Coax common at ground rod;
2) 50 feet #10 to bonding point/common point under deck;
3) 35 to 40 feet #10 to Service Ground rod
4) From #1 a 3 foot # 10 to 2nd Coax bond (from here I will get my station ground also)

Sounds like a good plan. Now just to locate a a "good" price the #10 wire. Don't worry, I'll not take down any power transmission lines even though I used to work for a Utility Company (HV Transmission Planning & Analyst).

BTW, the Service Ground is #10 aluminum.

Thanks Again!

--- On Wed, 7/2/08, Phil Bader <PBADER@...M> wrote:

From: Phil Bader <PBADER@...>
Subject: Re: [ham-antennas] Antenna Coax Grounding - Need input
To: ham-antennas@yahoogroups.com
Date: Wednesday, July 2, 2008, 6:55 PM

OK- At the antenna base at the 50 foot point where you bond the coax grounds together to a ground rod, I would bond at least a #10 copper wire,and feed on thru the PVC with the coaxes,on to the house entry point, where you again bond all shields to this #10 wire,and again at that end feed the wire to a ground at the house end if possible. That bonds every end the same. and with the house electrical ground.
Phil
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Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakeland arc.org/
pbader@tampabay. rr.com

----- Original Message -----
From: John P.
To: ham-antennas@ yahoogroups. com
Sent: Wednesday, July 02, 2008 5:01 PM
Subject: Re: [ham-antennas] Antenna Coax Grounding - Need input

Phil,

Thank you for your articulate and detailed reply.

I do know and agree that bonding the grounds is the best way to go.

What I am trying to do - to list just a couple of things is:
1) allow for grounding as close to the point that the 2 coax lines go under ground;
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I am trying for the best compromise with the greatest reduction in the probability of damage.

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73's

--- On Wed, 7/2/08, Phil Bader <PBADER@TAMPABAY. RR.COM> wrote:

From: Phil Bader <PBADER@TAMPABAY. RR.COM>
Subject: Re: [ham-antennas] Antenna Coax Grounding - Need input
To: ham-antennas@ yahoogroups. com
Date: Wednesday, July 2, 2008, 4:43 PM

Well. Usually the idea is to have all grounds at the same potential. A ground stake at one end of a run, and another ground 50 or 100 feet away may not have (probably won't have) the same electrical potential. The cable and telephone co's like to have their cable entrances to the house at the electric meter/weatherhead' s ground point,and strap to that,thus tieing the houses electrical ground to their cable's ground keeping both at same potential. Remember, with a lightning strike,there will be a "ground current" set up in the earth around your QTH. With a small resistance over a hundred feet could translate into thousands of volts. I usually strapped all my grounds together if possible: The tower base, coax shields, on into the shack to my equipement,and also to the shack's (home's) electrical ground. I had a "buss bar" or a 4 fot length of copper tubing behind the rig, with heavy copper braid attached with radiator clamps, and on to each peice of equipment.
Note also, that in most areas a typical 6' ground rod offers little reduction in resistance to ground. Usually an irrigation well casing,or series of rods driven into earth and strapped together is preferred.
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Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakeland arc.org/
pbader@tampabay. rr.com

----- Original Message -----
From: John P.
To: ham-antennas@ yahoogroups. com
Sent: Wednesday, July 02, 2008 6:55 AM
Subject: [ham-antennas] Antenna Coax Grounding - Need input

I need input on grounding.

The setup here.....

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I can use 1) a 3 foot length pieces of pipe, 2) cut a standard 8 foot grounding rod down, or 3) pound several pieces of welding rod bound together.

Any suggestions for this "entry ground" would be appreciated as I'm sure others have encountered similar problems.
Note that I do realize that bonding it to house ground is not possible (40 foot away) and obviously not to the ground lug of the power outlet either.

Thanks in Advance.

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[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

5223. RE: [ham-antennas] Antenna Coax Grounding - Need input

Yahoo group: ham-antennas (2008)
Date: 2008-07-03 00:50:05 UTC
From: James M.(Jim) Geidl
Topic: 5209 Message: 5223

John,

FWIW, I bought a 500' roll of #10 insulated on Ebay pretty cheap a few
months back.

Jim, K6JMG
//

> [mailto:ham-antennas@yahoogroups.com] On Behalf Of John P.
> Sent: Wednesday, July 02, 2008 5:37 PM
> To: ham-antennas@yahoogroups.com
> Subject: Re: [ham-antennas] Antenna Coax Grounding - Need input
>
> Phil,
>
> I like the suggestion - thank you.
>
> I will probably have to vary slightly since the entry point
> is before the Service Ground.
>
> 1) Coax common at ground rod;
> 2) 50 feet #10 to bonding point/common point under deck;
> 3) 35 to 40 feet #10 to Service Ground rod
> 4) From #1 a 3 foot # 10 to 2nd Coax bond (from here I will
> get my station ground also)
>
> Sounds like a good plan. Now just to locate a a "good"
> price the #10 wire. Don't worry, I'll not take down any
> power transmission lines even though I used to work for a
> Utility Company (HV Transmission Planning & Analyst).
>
> BTW, the Service Ground is #10 aluminum.
>
> Thanks Again!
>
> --- On Wed, 7/2/08, Phil Bader <PBADER@...> wrote:
>
> From: Phil Bader <PBADER@...>
> Subject: Re: [ham-antennas] Antenna Coax Grounding - Need input
> To: ham-antennas@yahoogroups.com
> Date: Wednesday, July 2, 2008, 6:55 PM
>
>
>
>
>

>
> OK- At the antenna base at the 50 foot point where you bond
> the coax grounds together to a ground rod, I would bond at
> least a #10 copper wire,and feed on thru the PVC with the
> coaxes,on to the house entry point, where you again bond all
> shields to this #10 wire,and again at that end feed the wire
> to a ground at the house end if possible. That bonds every
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> Phil
> Philip Bader
> Polk County School Board
> Intercom & Fire Alarm Electronics Systems Tech
> Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006 Amateur call:
> KI4NUC, Winter Haven, Fl.
> Member: Lakeland Amateur Radio Club
> http://www.lakeland arc.org/
> pbader@tampabay. rr.com
>
<snip>

5224. Best Antennas for Use in a Valley

Yahoo group: ham-antennas (2008)
Date: 2008-07-03 01:07:49 UTC
From: ash_lee52
Topic: 5224 Message: 5224

I live in the bottom of a mountain valley, surrounded on the east and west by mountains rising between 1,000 and 3,000 feet above the valley. To both the east and west these mountains rise between 15 and 20 degrees from what would be a normal flat horizon.

I'm searching for the best antenna for DX from this location. I know that most DX signals arrive at under 8%... which means I have a definite theoretical problem. On the other hand I have worked Europe, Japan and Australia from this location, so I know I can get some east/west propagation. My best antenna so far is a Buckmaster Off-Center-Fed-Dipole with legs of 90 and 45 feet, set as an inverted V. I've had some success with a 20-meter Half Square, Hustler 6BTV, a Sigma 5 and a rotating dipole as well.

But I still hear much less than I did from my previous location... so I know I don't have an optimum set-up. I can't put in a tower, so Yagis are probably out of the question.

Does anybody have any wisdom on what works best from a valley bottom? Do I want an antenna that maxes its signal in the 20-25 degree range. Or will the signals from a lower focused antenna travel up the mountain sides?

WW0AL
Ash

All thoughts and experiences welcome.

5225. Re: [ham-antennas] Antenna Coax Grounding - Need input

Yahoo group: ham-antennas (2008)
Date: 2008-07-03 01:20:00 UTC
From: k9ttt@comcast.net
Topic: 5209 Message: 5225

Sri--getting in on the tail end of this thread....but is there in difference when using a piece of romex 10-2/3 or #10 thhn (as I believe is the wire in discussion)? Just a stupid question.
Dale K9TTT
Jackson, MI

[Non-text portions of this message have been removed]

5226. Re: [ham-antennas] Best Antennas for Use in a Valley

Yahoo group: ham-antennas (2008)
Date: 2008-07-03 00:44:15 UTC
From: KE7JSL@tmo.blackberry.net
Topic: 5224 Message: 5226

>I live in the bottom of a mountain valley, surrounded on the east and west by mountains

Hi Ash,

The issue that comes to my mind is the bottom of the solar cycle doesn't help. Since and all band or multi band antennas are compromises have you thought of puting up a inverted v or a verticle resonant on just 20m? Just a thought...

John
KE7JSL
Sent via BlackBerry from T-Mobile

5227. RE: [ham-antennas] Best Antennas for Use in a Valley

Yahoo group: ham-antennas (2008)
Date: 2008-07-03 02:07:30 UTC
From: James Fogg
Topic: 5224 Message: 5227

I would use a dipole and keep it low, 20 feet or so. That will make for a high angle of radiation (NVIS). My first 80M dipole was 20 feet high and covered 800 ~ 1000 miles with no trouble. I reconfigured it into an inverted V at 45 feet and I almost prefer the solid predictable performance the high angle of radiation gave me. At higher frequencies 20 foot high dipoles start to become low angle radiators.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
On Behalf Of ash_lee52
Sent: Wednesday, July 02, 2008 9:08 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Best Antennas for Use in a Valley

I live in the bottom of a mountain valley, surrounded on the east and west by mountains rising between 1,000 and 3,000 feet above the valley. To both the east and west these mountains rise between 15 and 20 degrees from what would be a normal flat horizon.

I'm searching for the best antenna for DX from this location. I know that most DX signals arrive at under 8%... which means I have a definite theoretical problem. On the other hand I have worked Europe, Japan and Australia from this location, so I know I can get some east/west propagation. My best antenna so far is a Buckmaster Off-Center-Fed-Dipole with legs of 90 and 45 feet, set as an inverted V. I've had some success with a 20-meter Half Square, Hustler 6BTV, a Sigma 5 and a rotating dipole as well.

But I still hear much less than I did from my previous location... so I know I don't have an optimum set-up. I can't put in a tower, so Yagis are probably out of the question.

Does anybody have any wisdom on what works best from a valley bottom? Do I want an antenna that maxes its signal in the 20-25 degree range. Or will the signals from a lower focused antenna travel up the mountain sides?

WW0AL
Ash

All thoughts and experiences welcome.

No virus found in this incoming message.
Checked by AVG.
Version: 8.0.134 / Virus Database: 270.4.3/1528 - Release Date: 7/1/2008 7:26 AM

[Non-text portions of this message have been removed]

5228. Re: [ham-antennas] Best Antennas for Use in a Valley

Yahoo group: ham-antennas (2008)
Date: 2008-07-03 02:39:12 UTC
From: Alan Wilson
Topic: 5224 Message: 5228

Ash, I live in the Bitterroot Valley in Western Montana and I've had great success with a 80 meter horizontal loop. That would work if you got the room that is....73, Alan

>
>
> All thoughts and experiences welcome.
>
>

[Non-text portions of this message have been removed]

5229. Re: Best Antennas for Use in a Valley

Yahoo group: ham-antennas (2008)
Date: 2008-07-03 02:52:37 UTC
From: ash_lee52
Topic: 5224 Message: 5229

I have no problems at all reaching all over the US, so I figure an NVIS antenna isn't necessary... my challenge is to hear/reach Europe from the bottom of a valley in Colorado.

Will NVIS antennas simply get more RF out of the valley... or is there a logic on trying to use low angle antennae and get them to defract on the hills? What would a beam tilted slightly upward do, for instance?

--- In ham-antennas@yahoogroups.com, "James Fogg" <james@...> wrote:
>
> I would use a dipole and keep it low, 20 feet or so. That will make for
> a high angle of radiation (NVIS). My first 80M dipole was 20 feet high
> and covered 800 ~ 1000 miles with no trouble. I reconfigured it into an
> inverted V at 45 feet and I almost prefer the solid predictable
> performance the high angle of radiation gave me. At higher frequencies
> 20 foot high dipoles start to become low angle radiators.
>
>
>
>
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>
>
> _____
>
> From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> On Behalf Of ash_lee52
> Sent: Wednesday, July 02, 2008 9:08 PM
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] Best Antennas for Use in a Valley
>
>
>
> I live in the bottom of a mountain valley, surrounded on the east and
> west by mountains rising between 1,000 and 3,000 feet above the
> valley. To both the east and west these mountains rise between 15 and
> 20 degrees from what would be a normal flat horizon.

>
> I'm searching for the best antenna for DX from this location. I
know
> that most DX signals arrive at under 8%... which means I have a
> definite theoretical problem. On the other hand I have worked
Europe,
> Japan and Australia from this location, so I know I can get some
> east/west propagation. My best antenna so far is a Buckmaster Off-
> Center-Fed-Dipole with legs of 90 and 45 feet, set as an inverted
V.
> I've had some success with a 20-meter Half Square, Hustler 6BTV, a
> Sigma 5 and a rotating dipole as well.
>
> But I still hear much less than I did from my previous location...
so
> I know I don't have an optimum set-up. I can't put in a tower, so
> Yagis are probably out of the question.
>
> Does anybody have any wisdom on what works best from a valley
bottom?
> Do I want an antenna that maxes its signal in the 20-25 degree
range.
> Or will the signals from a lower focused antenna travel up the
> mountain sides?
>
> WW0AL
> Ash
>
> All thoughts and experiences welcome.
>
>
>
> No virus found in this incoming message.
> Checked by AVG.
> Version: 8.0.134 / Virus Database: 270.4.3/1528 - Release Date:
7/1/2008
> 7:26 AM
>
>
>
>
> [Non-text portions of this message have been removed]
>

5230. RE: [ham-antennas] Antenna Coax Grounding - Need input

Yahoo group: ham-antennas (2008)
Date: 2008-07-03 03:41:24 UTC
From: John P.
Topic: 5209 Message: 5230

Jim,

Thanks, I be looking there. I need only about 100 to 120 feet.

BTW, I use #12 insulated for all my dipoles and did you know that the THHN insulation reduces the velocity factor by 3-4% thus reducing the dipole length accordingly?

Maybe You could use some of the #10 for a dipole (Hi Hi)

73's

--- On Wed, 7/2/08, James M.(Jim) Geidl <jgeidl@...> wrote:

From: James M.(Jim) Geidl <jgeidl@sbcglobal.net>
Subject: RE: [ham-antennas] Antenna Coax Grounding - Need input
To: ham-antennas@yahoogroups.com
Date: Wednesday, July 2, 2008, 8:50 PM

John,

FWIW, I bought a 500' roll of #10 insulated on Ebay pretty cheap a few months back.

Jim, K6JMG
//

> [mailto:ham-antennas@ yahoogroups. com] On Behalf Of John P.
> Sent: Wednesday, July 02, 2008 5:37 PM
> To: ham-antennas@ yahoogroups. com
> Subject: Re: [ham-antennas] Antenna Coax Grounding - Need input
>
> Phil,
>
> I like the suggestion - thank you.
>
> I will probably have to vary slightly since the entry point
> is before the Service Ground.
>
> 1) Coax common at ground rod;
> 2) 50 feet #10 to bonding point/common point under deck;
> 3) 35 to 40 feet #10 to Service Ground rod
> 4) From #1 a 3 foot # 10 to 2nd Coax bond (from here I will
> get my station ground also)
>
> Sounds like a good plan. Now just to locate a a "good"
> price the #10 wire. Don't worry, I'll not take down any
> power transmission lines even though I used to work for a

> Utility Company (HV Transmission Planning & Analyst).
>
> BTW, the Service Ground is #10 aluminum.
>
> Thanks Again!
>
> --- On Wed, 7/2/08, Phil Bader <PBADER@TAMPABAY. RR.COM> wrote:
>
> From: Phil Bader <PBADER@TAMPABAY. RR.COM>
> Subject: Re: [ham-antennas] Antenna Coax Grounding - Need input
> To: ham-antennas@ yahoogroups. com
> Date: Wednesday, July 2, 2008, 6:55 PM
>
>
>
>
>
>
> OK- At the antenna base at the 50 foot point where you bond
> the coax grounds together to a ground rod, I would bond at
> least a #10 copper wire,and feed on thru the PVC with the
> coaxes,on to the house entry point, where you again bond all
> shields to this #10 wire,and again at that end feed the wire
> to a ground at the house end if possible. That bonds every
> end the same. and with the house electrical ground.
> Phil
> Philip Bader
> Polk County School Board
> Intercom & Fire Alarm Electronics Systems Tech
> Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006 Amateur call:
> KI4NUC, Winter Haven, Fl.
> Member: Lakeland Amateur Radio Club
> http://www.lakeland arc.org/
> pbader@tampabay. rr.com
>
<snip>

[Non-text portions of this message have been removed]

5231. RE: [ham-antennas] Antenna Coax Grounding - Need input

Yahoo group: ham-antennas (2008)
Date: 2008-07-03 03:49:37 UTC
From: James M.(Jim) Geidl
Topic: 5209 Message: 5231

John,

I didn't need 500' either but got the 500' roll for less than buying 200' up
at the local hardware store.

I guess I could use it for ra dipole but bare copper is a lot cheaper

Jim, K6JMG

> [mailto:ham-antennas@yahoogroups.com] On Behalf Of John P.
> Sent: Wednesday, July 02, 2008 8:41 PM
> To: ham-antennas@yahoogroups.com
> Subject: RE: [ham-antennas] Antenna Coax Grounding - Need input
>
> Jim,
>
> Thanks, I be looking there. I need only about 100 to 120 feet.
>
> BTW, I use #12 insulated for all my dipoles and did you
> know that the THHN insulation reduces the velocity factor by
> 3-4% thus reducing the dipole length accordingly?
>
> Maybe You could use some of the #10 for a dipole (Hi Hi)
>
> 73's
>
> --- On Wed, 7/2/08, James M.(Jim) Geidl <jgeidl@sbcglobal.net> wrote:
>
> From: James M.(Jim) Geidl <jgeidl@...>
> Subject: RE: [ham-antennas] Antenna Coax Grounding - Need input
> To: ham-antennas@yahoogroups.com
> Date: Wednesday, July 2, 2008, 8:50 PM
>
>
>
>
>
>
> John,
>
> FWIW, I bought a 500' roll of #10 insulated on Ebay pretty
> cheap a few months back.
>
> Jim, K6JMG
> //
>

5232. RE: was/ Coax Grounding-now antennas

Yahoo group: ham-antennas (2008)
Date: 2008-07-03 11:55:18 UTC
From: Rich Schmuke
Topic: 5209 Message: 5232

Before you put up any wire with insulation that might degrade over time why don't you strip it first. I strip RG-11 CCTV type all the time for 14ga Copperweld in it. Drill a hole the OD of the wire in a 2x4 , cut a slit with thin blade like a hack saw down to the slit, put a blade from a utility knife in the slot with the point set to slit the insulation. Put a c-clamp the hold the blade in the slit pull the wire through. I put the 2x4 in a vice, support my roll of wire on a wood dowel supported by jack stands and strip away. If I can slit coax, regular THHN wire is no problem.

KD0ZZ , Rich

I am not getting older but having a propagation problem with the neurons in the grey matter.

Any errors in spelling or facts are tramsmission errors

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of James M.(Jim) Geidl
Sent: Wednesday, July 02, 2008 10:50 PM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Antenna Coax Grounding - Need input

John,

I didn't need 500' either but got the 500' roll for less than buying 200' up at the local hardware store.

I guess I could use it for ra dipole but bare copper is a lot cheaper

Jim, K6JMG

> [mailto:ham-antennas@yahoogroups.com
<mailto:ham-antennas%40yahoogroups.com>] On Behalf Of John P.
> Sent: Wednesday, July 02, 2008 8:41 PM
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Subject: RE: [ham-antennas] Antenna Coax Grounding - Need input
>
> Jim,
>
> Thanks, I be looking there. I need only about 100 to 120 feet.
>
> BTW, I use #12 insulated for all my dipoles and did you
> know that the THHN insulation reduces the velocity factor by
> 3-4% thus reducing the dipole length accordingly?
>
> Maybe You could use some of the #10 for a dipole (Hi Hi)
>

> 73's
>
> --- On Wed, 7/2/08, James M.(Jim) Geidl <jgeidl@...
<mailto:jgeidl%40sbcglobal.net> > wrote:
>
> From: James M.(Jim) Geidl <jgeidl@...
<mailto:jgeidl%40sbcglobal.net> >
> Subject: RE: [ham-antennas] Antenna Coax Grounding - Need input
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Date: Wednesday, July 2, 2008, 8:50 PM
>
>
>
>
>
>
> John,
>
> FWIW, I bought a 500' roll of #10 insulated on Ebay pretty
> cheap a few months back.
>
> Jim, K6JMG
> //
>

[Non-text portions of this message have been removed]

5233. RE: [ham-antennas] Antenna Coax Grounding - Need input

Yahoo group: ham-antennas (2008)
Date: 2008-07-03 12:03:37 UTC
From: John P.
Topic: 5209 Message: 5233

Also, if you used it for a dipole you would probably need some really strong trees or supports (Hi Hi).

I was fortunate as far as antenna wire. When we moved the factory, they pulled about 1000 feet of #12 insulated (THHN) wire from conduit and were going to toss it. It was varing lengths - 12, 18, 20 foot. But it was plenty to make 2 fan dipoles - a 75,40, 20 and a 20,15. I still have quite a bit left over.

--- On Wed, 7/2/08, James M.(Jim) Geidl <jgeidl@...> wrote:

From: James M.(Jim) Geidl <jgeidl@...>
Subject: RE: [ham-antennas] Antenna Coax Grounding - Need input
To: ham-antennas@yahoogroups.com
Date: Wednesday, July 2, 2008, 11:49 PM

John,

I didn't need 500' either but got the 500' roll for less than buying 200' up
at the local hardware store.

I guess I could use it for ra dipole but bare copper is a lot cheaper

Jim, K6JMG

> [mailto:ham-antennas@ yahoogroups. com] On Behalf Of John P.
> Sent: Wednesday, July 02, 2008 8:41 PM
> To: ham-antennas@ yahoogroups. com
> Subject: RE: [ham-antennas] Antenna Coax Grounding - Need input
>
> Jim,
>
>   Thanks, I be looking there. I need only about 100 to 120 feet.
>
>   BTW, I use #12 insulated for all my dipoles and did you
> know that the THHN insulation reduces the velocity factor by
> 3-4% thus reducing the dipole length accordingly?
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>   Maybe You could use some of the #10 for a dipole (Hi Hi)
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>
> --- On Wed, 7/2/08, James M.(Jim) Geidl <jgeidl@sbcglobal. net> wrote:
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> From: James M.(Jim) Geidl <jgeidl@sbcglobal. net>
> Subject: RE: [ham-antennas] Antenna Coax Grounding - Need input
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> Date: Wednesday, July 2, 2008, 8:50 PM

>
>
>
>
>
>
> John,
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> FWIW, I bought a 500' roll of #10 insulated on Ebay pretty
> cheap a few months back.
>
> Jim, K6JMG
> //
>

[Non-text portions of this message have been removed]

5234. Re: [ham-antennas] HF wire antenna made from Polywire? (electric fence wire with a difference)

Yahoo group: ham-antennas (2008)
Date: 2008-07-03 14:03:55 UTC
From: Andy
Topic: 5196 Message: 5234

> I guess I would want to know a little bit more about the capacitance
> issues.
> I would think all those strands insulated from one another would make 6 or
> 9
> parallel capacitors.

The capacitance between strands is not an issue, because the signal doesn't exist BETWEEN strand wires. All strands carry essentially the same current & voltage, so capacitance between two equi-potential points is a non-issue.

If capacitance between strands were a problem, then using non-insulated strands (i.e., capacitance goes to infinity, shorting them together!) would somehow be even worse.

Andy

5235. Re: [ham-antennas] HF wire antenna made from Polywire? (electric fence wire with a difference)

Yahoo group: ham-antennas (2008)
Date: 2008-07-03 16:22:28 UTC
From: Electronic Battle
Topic: 5196 Message: 5235

> The capacitance between strands is not an issue, because the signal
> doesn't
> exist BETWEEN strand wires. All strands carry essentially the same
> current
> & voltage, so capacitance between two equi-potential points is a
> non-issue.

I think you are right. Besides, the strands aren't specifically woven to occupy a particular place within the cross section (Litz wire of courseis intentiaonally spun in certain ways) and no doubt join and separate along the lnegth. I'll find out when I buy some.

I've had a look at a PDF written by David Jefferies (http://personal.ee.surrey.ac.uk/Personal/D.Jefferies/bio.html) in which he shows that thin s-s wire certainly is more lossy than Cu wire - BUT the losses involved aren't drastic. Here are some figures to play with, assuming the TAB spacing makes this chart readable once it has been emailed:

Watts of heat dissipated for 100W input power, half wave dipole , 12AWG

material	160m	40m	10m
Silver	4.1	2.1	1.1
Copper	4.3	2.2	1.1
Brass	about 6.2	about 3.2	about 1.6
Tin	10.2	5.3	2.7
Lead	13.5	7.2	3.3
Gold	4.8	2.5	1.2
Aluminium	5.3	2.7	1.4
Aluminium alloy	about 6.7	about 3.5	about 1.8
Iron	about 77	about 63	about 46
Stainless steel	8.4	4.4	2.2
Tin-lead solder	11.5	6.1	3.1
Zinc	7.6	4.0	2.0

To contrast antenna efficiencies for a perfectly matched L/2 dipole - 98.9% using Cu at 10m wavelengths dropping to 97.8% for stainless steel.

In my case, the thin "tinsel" strands will further reduce efficiencies due to the skin effect and it's worse still in steel. Loss resistance in Cu at 40m is about 1.6R for a L/2 dipole, and about 3.3R for stainless steel (304 grade). That's for 2mm dia wire (12AWG).

So ... I think I will try polywire and see what happens.

Thanks

RIchard, M1JKL

5236. Re: [ham-antennas] HF wire antenna made from Polywire? (electric fence wire with a difference)

Yahoo group: ham-antennas (2008)
Date: 2008-07-03 16:24:56 UTC
From: Electronic Battle
Topic: 5196 Message: 5236

<snip>

> I've had a look at a PDF written by David Jefferies
> (http://personal.ee.surrey.ac.uk/Personal/D.Jefferies/bio.html)
> in which he shows that thin s-s wire certainly is more lossy than Cu
> wire - BUT the losses involved aren't drastic.

<snip>

Sorry - forgot to add the URL for the PDF:
http://personal.ee.surrey.ac.uk/Personal/D.Jefferies/antennexarticles/newantennexarticles/efficiency.pdf

Richard, M1JKL

5237. Re: [ham-antennas] Best Antennas for Use in a Valley

Yahoo group: ham-antennas (2008)
Date: 2008-07-03 21:25:27 UTC
From: Phil Bader
Topic: 5224 Message: 5237

End fed Zepp--- Oh, did I mention it should be around 300 feet long,with a large helium balloon tied to the far end?
PB
Philip Bader
Polk County School Board
Intercom & Fire Alarm Electronics Systems Tech
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakelandarc.org/
pbader@...

----- Original Message -----
From: ash_lee52
To: ham-antennas@yahoogroups.com
Sent: Wednesday, July 02, 2008 9:07 PM
Subject: [ham-antennas] Best Antennas for Use in a Valley

I live in the bottom of a mountain valley, surrounded on the east and west by mountains rising between 1,000 and 3,000 feet above the valley. To both the east and west these mountains rise between 15 and 20 degrees from what would be a normal flat horizon.

I'm searching for the best antenna for DX from this location. I know that most DX signals arrive at under 8%... which means I have a definite theoretical problem. On the other hand I have worked Europe, Japan and Australia from this location, so I know I can get some east/west propagation. My best antenna so far is a Buckmaster Off-Center-Fed-Dipole with legs of 90 and 45 feet, set as an inverted V. I've had some success with a 20-meter Half Square, Hustler 6BTV, a Sigma 5 and a rotating dipole as well.

But I still hear much less than I did from my previous location... so I know I don't have an optimum set-up. I can't put in a tower, so Yagis are probably out of the question.

Does anybody have any wisdom on what works best from a valley bottom? Do I want an antenna that maxes its signal in the 20-25 degree range. Or will the signals from a lower focused antenna travel up the mountain sides?

WW0AL
Ash

All thoughts and experiences welcome.

No virus found in this incoming message.
Checked by AVG.
Version: 8.0.134 / Virus Database: 270.4.3/1529 - Release Date: 7/1/2008 7:23 PM

No virus found in this outgoing message.
Checked by AVG.
Version: 8.0.134 / Virus Database: 270.4.4/1532 - Release Date: 7/3/2008 8:32 AM

[Non-text portions of this message have been removed]

5238. Re: Best Antennas for Use in a Valley

Yahoo group: ham-antennas (2008)
Date: 2008-07-04 16:29:40 UTC
From: DC
Topic: 5224 Message: 5238

Satellite work is fun!

[Non-text portions of this message have been removed]

5239. Re: [ham-antennas] Best Antennas for Use in a Valley

Yahoo group: ham-antennas (2008)
Date: 2008-07-04 21:16:31 UTC
From: Andy
Topic: 5224 Message: 5239

Have you determined the elevation angle to the horizon in the direction(s) you want to operate? Since you are already getting out to Europe and Asia, I'd have to guess your view is not blocked as badly as you may think. Perhaps your mountains in those directions are distant enough so that the angle is reasonably low ... low enough for you to have had the success you have.

Unless I'm mistaken, neither Europe nor Japan is on an east-west line from you, as the photon flies.

While there may be some diffraction over the mountain peaks to get beyond your horizon, I don't think there is much *you* can do by choosing different antennas to help that. AFAIK there is no magic to make radio waves diffract around/over objects. But I'm no expert on propagation details ... for example if vertical or horizontal polarizations diffract better. (As a guess, one might think that horizontal polarization is more likely to be attenuated by skipping near to the surface.)

If you had a beam, I'd guess that it might work better if tilted to just above the mountaintops.

NVIS isn't going to help you get far. It would get you out of the valley (which you are already doing), but not at a DX-appropriate angle.

Regards,
Andy

5240. antenna query

Yahoo group: ham-antennas (2008)
Date: 2008-07-05 06:03:50 UTC
From: Roberto Baca Barnard
Topic: 75 Message: 5240

Hi folks:

My new QTH near Guadalajara, Jal, Mexico is a tiny, cement structure, part of a housing complex. This is NOT my NYC apartment up 85' with the 135' 8om dipole, alas. OK:

Here are the dimensions of the lot: 11m long, 4m wide, and two storeys tall. The little house has a somewhat pitched roof (about 5 degree slopes), two directions. The apartments are all stacked together and share walls. Yet, this one is on the end of a group, and has a free, proper wall that faces a courtyard, so I think mebbe can run some feed up to where the two slopes of the roof meet. This high point is at 5.5m from ground level. The "shack" is on the first floor.

I want to operate 80-10m, but I'll settle for 40-10m. I run CW and PSK31, try to keep it 50w or down to QRP levels. Yes, I have a transmatch and a Hendricks QRP tuner.

My XYL--who owns it--tells me I can use an old 2m tv antenna mast up topside to attach things to. Hmm...a total high point of 8m.

Any ideas for a cheap wire antenna? Slanting, sloping end=fed? I like direct single wire feed or use of 300 ohm tv line, rather than coax cable.

As for "ground", well, they have copper water pipes at ground level going out to the street. At what point this becomes pvc (if at all) is unknown to me. There is a copper gas line going to a stationary tank, too, that parallels this water pipe for a spell.

Street AC is buried around here, right next to the house on the 'free side' mentioned above. Cable TV and telephone pole is right next to the house. Worry about TVI into the phone lines, of course.

best,
Roberto "Rob" Barnard
WB7AVF/XE1GXG

5241. Re: [ham-antennas] antenna query

Yahoo group: ham-antennas (2008)
Date: 2008-07-05 12:57:35 UTC
From: John P.
Topic: 75 Message: 5241

Have you considred using a pair of Hamsticks in a dipole configuration for 80 meters?

It may be a compromise but it is better than QRT. They sell a dipole adapter bracket for the dipole configuration. Total cost is probably about $75 - $25 for each of the 2 ham sticks and the bracket.

73's

--- On Sat, 7/5/08, Roberto Baca Barnard <barnardbaca@...> wrote:

From: Roberto Baca Barnard <barnardbaca@...>
Subject: [ham-antennas] antenna query
To: ham-antennas@yahoogroups.com
Date: Saturday, July 5, 2008, 2:03 AM

Hi folks:

My new QTH near Guadalajara, Jal, Mexico is a tiny, cement structure, part of a housing complex. This is NOT my NYC apartment up 85' with the 135' 8om dipole, alas. OK:

Here are the dimensions of the lot: 11m long, 4m wide, and two storeys tall. The little house has a somewhat pitched roof (about 5 degree slopes), two directions. The apartments are all stacked together and share walls. Yet, this one is on the end of a group, and has a free, proper wall that faces a courtyard, so I think mebbe can run some feed up to where the two slopes of the roof meet. This high point is at 5.5m from ground level. The "shack" is on the first floor.

I want to operate 80-10m, but I'll settle for 40-10m. I run CW and PSK31, try to keep it 50w or down to QRP levels. Yes, I have a transmatch and a Hendricks QRP tuner.

My XYL--who owns it--tells me I can use an old 2m tv antenna mast up topside to attach things to. Hmm...a total high point of 8m.

Any ideas for a cheap wire antenna? Slanting, sloping end=fed? I like direct single wire feed or use of 300 ohm tv line, rather than coax cable.

As for "ground", well, they have copper water pipes at ground level going out to the street. At what point this becomes pvc (if at all) is unknown to me. There is a copper gas line going to a stationary tank, too, that parallels this water pipe for a spell.

Street AC is buried around here, right next to the house on the 'free side' mentioned above. Cable TV and telephone pole is right next to the house. Worry about TVI into the phone lines, of course.

best,
Roberto "Rob" Barnard
WB7AVF/XE1GXG

[Non-text portions of this message have been removed]

5242. Re: [ham-antennas] antenna query

Yahoo group: ham-antennas (2008)
Date: 2008-07-05 13:22:06 UTC
From: MAXXOUT2@AOL.COM
Topic: 75 Message: 5242

I made a end fed wire antenna using 66 feet of wire
The little tuner used a poly type cap but it has been up to 25 watts with no warming up
The core is a T-68-2 with 24 turns of # 20 GA wire and a 3 turn link.
It loads 40 to 15 meters on that single wire.
I would take the wire to the mast then slope the remainder down
Some hams are running the antenna in a inverted V configeration.
Ham sticks around here are 14.95 each.
The bracket is 12.99 but I never tried that dipole configuration.
Bob
AF2Q

In a message dated 7/5/2008 6:57:56 AM Mountain Standard Time, jpetrocxme@... writes:

Any ideas for a cheap wire antenna? Slanting, sloping end=fed? I like direct single wire feed or use of 300 ohm tv line, rather than coax cable.

**********Gas prices getting you down? Search AOL Autos for fuel-efficient used cars. (http://autos.aol.com/used?ncid=aolaut00050000000007)

[Non-text portions of this message have been removed]

5243. Re: antenna query

Yahoo group: ham-antennas (2008)
Date: 2008-07-05 16:08:44 UTC
From: Roberto Baca Barnard
Topic: 75 Message: 5243

-An end=fed 66 ft wire sounds like a plan. Have to look at possible counterpoise or radial.

Using hamsticks, too. Would have to order those.

5244. Re: [ham-antennas] antenna query

Yahoo group: ham-antennas (2008)
Date: 2008-07-05 19:37:44 UTC
From: danny garvin
Topic: 75 Message: 5244

If you can put up a 10 meter long dipole fed with balanced feed line you should be able to tune 40 threw 10 with a good tuner.
  GL
   Danny
      WB9RIM

----- Original Message ----
From: Roberto Baca Barnard <barnardbaca@...>
To: ham-antennas@yahoogroups.com
Sent: Saturday, July 5, 2008 1:03:50 AM
Subject: [ham-antennas] antenna query

Hi folks:

My new QTH near Guadalajara, Jal, Mexico is a tiny, cement structure, part of a housing complex. This is NOT my NYC apartment up 85' with the 135' 8om dipole, alas. OK:

Here are the dimensions of the lot: 11m long, 4m wide, and two storeys tall. The little house has a somewhat pitched roof (about 5 degree slopes), two directions. The apartments are all stacked together and share walls. Yet, this one is on the end of a group, and has a free, proper wall that faces a courtyard, so I think mebbe can run some feed up to where the two slopes of the roof meet. This high point is at 5.5m from ground level. The "shack" is on the first floor.

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Street AC is buried around here, right next to the house on the 'free side' mentioned above. Cable TV and telephone pole is right next to the house. Worry about TVI into the phone lines, of course.

best,
Roberto "Rob" Barnard
WB7AVF/XE1GXG

[Non-text portions of this message have been removed]

5245. Help with G5RV

Yahoo group: ham-antennas (2008)
Date: 2008-07-05 22:47:49 UTC
From: Paulo T Castro
Topic: 5245 Message: 5245

Hi all,

I´m thinking in install one G5RV antenna in inverted V configuration.

Anyone on the list have experienced with G5RV inverted V.

Anyone knows if the ladder line descending inside or hooked outside
the mast can be a problem the for a good matching impedance of the
antenna? or even the SWR ?

Any tip will be very helpful.

Thank´s a lot, 73 and many DX.

Paul - PU2RDX
Bauru - SP - Brazil
GG57LQ

_____
Conheça o Windows Live Spaces, a rede de relacionamentos do Messenger!
http://www.amigosdomessenger.com.br/

5246. Re: [ham-antennas] Help with G5RV

Yahoo group: ham-antennas (2008)
Date: 2008-07-05 23:17:59 UTC
From: Sam Cook
Topic: 5245 Message: 5246

I am running a G5RV inverted-V at about 22ft with window feedline horizontal.
Feedline is secured to a dacron line from the top of the G5RV mast (fiberglass military mast) 75ft to my tower.
Using RG8X coax from balun to tower, then Andrew CNT400 coax to shack.
Just replaced the main coax today... was 9913 and had gotten full of water and wouldn't tune. Now tunes to almost zero SWR.
Don't know who made mt G5RV... bought it via eBay. Get good coverage...
NVIS covers states of Missouri and Iowa quite well.
73

Sam Cook, Milan, MO
Amateur Extra Class Radio Station AC?OK
ARES Official Emergency Station, Sullivan Co., MO
Military Affiliate Radio System (MARS) AAR7AO
==========

Paulo T Castro wrote:
>
> Hi all,
>
>
> I?m thinking in install one G5RV antenna in inverted V configuration.
>
> Anyone on the list have experienced with G5RV inverted V.
>
> Anyone knows if the ladder line descending inside or hooked outside
> the mast can be a problem the for a good matching impedance of the
> antenna? or even the SWR ?
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> Any tip will be very helpful.
>
> Thank?s a lot, 73 and many DX.
>
> Paul - PU2RDX
> Bauru - SP - Brazil
> GG57LQ

5247. Re: Help wit G5RV

Yahoo group: ham-antennas (2008)
Date: 2008-07-06 00:07:20 UTC
From: noswadplease
Topic: 5247 Message: 5247

Hello Paulo,

I have the 204ft G5RV in a vee. The antenna came with 64 ft. of ladder line and recommended 140ft. of coax. It works very well on most bands. I did eventually run a wire from the end of the vee to the other to makes it a closed loop. You can do this if only dx'ing and not transmitting. It di make it somewhat quieter. Right now I have it about 17 ft. up, but I am gathering poles, etc. to raise the ends 48ft. If you can use the 204ft. G5RV It would be the best. Connect a lightning arrestor between the ladder line and the coax. Ground it well and use a tuner. An Mfj-16010 or Mfj-956 can be picked up on Ebay relatively cheap, even new they are not that much. It definitely works well. I also am running an AOR SA-7000 at 41ft. high and their is little difference switching back and forth between them. If space is an issue you might want to consider the SA-7000. Even though it cost more You don't need all that coax so it balances out in price. I would still use a tuner with either one.
http://www.wb0w.com/g5rv/g5rv_antennas.htm
This is where I bought might good info here.
Good luck Ed Dawson

5248. Beam performance

Yahoo group: ham-antennas (2008)
Date: 2008-07-06 03:04:35 UTC
From: Kenny Wyss
Topic: 5248 Message: 5248

I have made a lot more progress on my tower project. The tri-band beam is up, as well as my guy wires. The past few days I have been playing around with the beam a bit, and am a bit discouraged at what I have seen. The beam is used, so before I hauled it up there, I totally worked it over. I cleaned the entire thing with steel wool, put all new connectors and wire where applicable, and opened up the balun box and cleaned it well. SWR is decent. The antenna is a Hy-Gain TH3-MK3.

There have been instances where I can be listening to a DX station on my G5RV, rotate the beam toward the station, switch to the beam, and find that the G5RV is performing better on receive. There are times when stations come in better from the back of the beam. Only during a few instances have I noticed that the beam seemed to outperform the G5RV. I put the beam up at about 34'.

Should I chalk most of this up to propagation or could I possibly have a problem? I never did have the traps checked, so I am not 100% sure they are all okay.

Thanks and 73,

Kenny, KB0NPW

5249. Re: [ham-antennas] Beam performance

Yahoo group: ham-antennas (2008)
Date: 2008-07-06 03:24:09 UTC
From: Phil Bader
Topic: 5248 Message: 5249

Ken, I'm not sure of your problem, but consider: Your G5RV is probably inverted V,so there's a vertical polarization element there,and your beam is horizontal. Also, no one knows exactly what propagation /polarity the incoming signals are. After all, take a baseball, mark an "X" on it, bounce it off the ceiling,and guess where the "X" will be when it hits the floor. That's how variable a signal is after it makes it around the world.That's why you have a variety of antenna types, so you can switch around as conditions require. As for the beam seeming to work better off the back, are you sure you placed the reflector and director elements correctly? If so, that too may be simply propagation.

Phil B
Philip Bader
Polk County School Board
Intercom & Fire Alarm Electronics Systems Tech
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakelandarc.org/
pbader@...

----- Original Message -----
From: Kenny Wyss
To: ham-antennas@yahoogroups.com
Sent: Saturday, July 05, 2008 11:04 PM
Subject: [ham-antennas] Beam performance

I have made a lot more progress on my tower project. The tri-band beam is up, as well as my guy wires. The past few days I have been playing around with the beam a bit, and am a bit discouraged at what I have seen. The beam is used, so before I hauled it up there, I totally worked it over. I cleaned the entire thing with steel wool, put all new connectors and wire where applicable, and opened up the balun box and cleaned it well. SWR is decent. The antenna is a Hy-Gain TH3-MK3.

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Thanks and 73,

Kenny, KB0NPW

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Checked by AVG - http://www.avg.com
Version: 8.0.135 / Virus Database: 270.4.5/1533 - Release Date: 7/3/2008 7:19 PM

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[Non-text portions of this message have been removed]

5250. Re: Beam performance

Yahoo group: ham-antennas (2008)
Date: 2008-07-06 14:43:35 UTC
From: Kenny Wyss
Topic: 5248 Message: 5250

That is sort of what makes it more puzzling. My G5RV is a flat-top, installed almost perfectly horizontal between a large tree and a telescopic mast. I am sure all the elements are in the right place on the beam.

It got even weirder last night, which is really making me start to think it's all about propagation. I was monitoring the DXpedition station in St. Barts. It was S3-S5 on the G5RV. I hooked up the beam and began rotating all around. The sweet spot was found to be facing almost due West of my location, while St. Barts is pretty much due Southwest of me. When pointing just a little bit North of West, I could get S7-S9.

I am used to my VHF beam where I point it directly at what I am trying work. I guess I just need to realize that I am dealing with a completely different beast here, and learn as I go. I found out early on as a General that propagation is the boss, not power or antennas.

Kenny, KB0NPW

--- In ham-antennas@yahoogroups.com, "Phil Bader" <PBADER@...> wrote:
>
> Ken, I'm not sure of your problem, but consider: Your G5RV is probably inverted V,so there's a vertical polarization element there,and your beam is horizontal. Also, no one knows exactly what propagation /polarity the incoming signals are. After all, take a baseball, mark an "X" on it, bounce it off the ceiling,and guess where the "X" will be when it hits the floor. That's how variable a signal is after it makes it around the world.That's why you have a variety of antenna types, so you can switch around as conditions require. As for the beam seeming to work better off the back, are you sure you placed the reflector and director elements correctly? If so, that too may be simply propagation.
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> Philip Bader
> Polk County School Board
> Intercom & Fire Alarm Electronics Systems Tech
> Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006
> Amateur call: KI4NUC, Winter Haven, Fl.
> Member: Lakeland Amateur Radio Club
> http://www.lakelandarc.org/
> pbader@...
>
> ----- Original Message -----
> From: Kenny Wyss
> To: ham-antennas@yahoogroups.com

> Sent: Saturday, July 05, 2008 11:04 PM
> Subject: [ham-antennas] Beam performance
>
>
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> [Non-text portions of this message have been removed]
>

5251. Re: [ham-antennas] Re: Beam performance

Yahoo group: ham-antennas (2008)
Date: 2008-07-06 16:10:45 UTC
From: John P.
Topic: 5248 Message: 5251

What you are experiencing although perhaps curious and/or frustrating is similar to what I experience.

Here the setup is 1 dipole running North-South (East West broadside) and another dipole running East-West (North-South broadside). I am in the far Northeastern Part of the U.S. and I often get better results into Florida, VA, NC off the END of the dipole running North-South (East West broadside). Off the end, as I visualize it the "take off" angle is steeper and better for the shorter skip. The other dipole, East-West (North-South broadside), does better into places like Trinidad, & South America. This would most likely be due to the lower take off angle for the longer skip.

So, do not be discouraged. Which ever one (antenna & beam heading) is better at the moment (due to propogation) is the one to use.

--- On Sun, 7/6/08, Kenny Wyss <kenny@...> wrote:

From: Kenny Wyss <kenny@...>
Subject: [ham-antennas] Re: Beam performance
To: ham-antennas@yahoogroups.com
Date: Sunday, July 6, 2008, 10:43 AM

That is sort of what makes it more puzzling. My G5RV is a flat-top, installed almost perfectly horizontal between a large tree and a telescopic mast. I am sure all the elements are in the right place on the beam.

It got even weirder last night, which is really making me start to think it's all about propagation. I was monitoring the DXpedition station in St. Barts. It was S3-S5 on the G5RV. I hooked up the beam and began rotating all around. The sweet spot was found to be facing almost due West of my location, while St. Barts is pretty much due Southwest of me. When pointing just a little bit North of West, I could get S7-S9.

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> Member: Lakeland Amateur Radio Club
> http://www.lakeland arc.org/
> pbader@...
>
> ----- Original Message -----
> From: Kenny Wyss
> To: ham-antennas@ yahoogroups. com
> Sent: Saturday, July 05, 2008 11:04 PM
> Subject: [ham-antennas] Beam performance
>
>
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>
> [Non-text portions of this message have been removed]
>

[Non-text portions of this message have been removed]

5252. Re: antenna query

Yahoo group: ham-antennas (2008)
Date: 2008-07-07 01:51:55 UTC
From: ash_lee52
Topic: 75 Message: 5252

My first recommendation is to look at a Buckmaster OCF dipole. These are supposed to be hung as an inverted V with the top at 30-35 feet. So you are close. But you need room for the longer 90 foot leg.

Two other thoughts... a 44 foot wire doublet (22 feet each side, balanced feed line to a balun/tuner) will cover 80 through 6 meters. Google the NorCal doublet for info on building this from speaker wire.

And a TW 2010 will gve you world class signals in a package only 8 feet tall, and ideally mounted near ground level... all without radials. The TW 2010 is an improved version of the Force 12 Sigma 5. See the reviews at EHam.net

Lastly, a Cushcraft MA5-V will give you a very nice signal in a small vertical (14 feet high), without radials, if you can mount it at near the roof line.

--- In ham-antennas@yahoogroups.com, "Roberto Baca Barnard" <barnardbaca@...> wrote:
>
> Hi folks:
>
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> part of a housing complex. This is NOT my NYC apartment up 85' with
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> Street AC is buried around here, right next to the house on
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> side' mentioned above. Cable TV and telephone pole is right next to
> the house. Worry about TVI into the phone lines, of course.
>
> best,
> Roberto "Rob" Barnard
> WB7AVF/XE1GXG
>

5253. Anyone ever try a vertical g5rv?

Yahoo group: ham-antennas (2008)
Date: 2008-07-07 04:51:47 UTC
From: wb1fjh
Topic: 5253 Message: 5253

Hi guys,
I'm thinking about putting up a smaller sized g5rv style dipole vertically on 20 and above.I figure about 12 3/4 feet aside and fed with 300 ohm twin and run that into the 4:1 balun in the shack.
I've had good luck with g5rv/doublets fed this way horizontally ,and I wonder if any one has tried it vertically.The goal is low angle for 20dx,and running it on 10 and maybe even 6.My ldg does pretty good at fooling the rig making it see 50ohms.
Any ideas?Maybe a OCF fed with 300?
Maybe using the 16 1/2 foot aside?
Look forward to any responses,and thanks in advance.
73
Steve WB1FJH

5254. Re: Beam performance

Yahoo group: ham-antennas (2008)
Date: 2008-07-07 15:17:13 UTC
From: wd4elg_base
Topic: 5248 Message: 5254

Great thread. A couple of comments here, if I may jump in.

The prop can often depend upon the angle of arrival. Generally, directional and vertical antennas favor signals coming in from lower arrival angles, which are typically from distant locations. There are exceptions, and not all the signal may be coming from lower arrival angles (great discussion on this in ARRL Antenna Handbook). Sometimes the signal can travel via a skewed path. The exact reasons are unknown, but often directional antennas need to be turned other than directly at the receiving station (which is the advantage of the wire antennas, they are not as directional).

Personal experience with wire antennas and a 2 element wire hex beam for 20: for long distance DX (VK, Africa, and just last night working VQ9LA), the hex beam generally works perfectly on a direct shot to the receiving station.

Exception: this past winter I was hearing some South American stations on the wire better than the Hex. Higher angle of arrival was my assumption here.

Exception: I worked ZS1 on 80 meters CW on my Buckmaster wire antenna at 32 feet in height. My Cushcraft vertical for 80 could not even hear him. Conclusion? The signal was arriving at a high angle. How is this possible? Rare occurrence, but if the attenuation was minimal over the salt water path, and I got a good reflection in the middle on some of the higher angle radio waves, then it was the high angle signal which made it through. ON4UN describes skew path and high angle arrival success stories on low bands in his book.

The topic is quite fascinating, and supports a theory my Elmer told me way back when I was a youngster: when it comes to antennas, no one antenna is the answer...you always want options.

Mark, WD4ELG
http://wd4elg.net

5255. Re: antenna query

Yahoo group: ham-antennas (2008)
Date: 2008-07-07 15:21:07 UTC
From: wd4elg_base
Topic: 75 Message: 5255

Buckmaster is definitely a good bet. There is now a shorter version for 40-6 which will probably fit on your lot. Stealthy design too. I have 2 Buckmaster antennas and I love them.

Also check out the Par EndFedz antennas. I have several of these and they are quick to install and work well and they are cheap.

Mark, WD4ELG
http://wd4elg.net

5256. Re: antenna query

Yahoo group: ham-antennas (2008)
Date: 2008-07-08 00:15:51 UTC
From: Roberto Baca Barnard
Topic: 75 Message: 5256

-Excellent tips. Will do some googling on HRO and Texas Towers...

-- In ham-antennas@yahoogroups.com, "wd4elg_base" <mlunday@...> wrote:
>
> Buckmaster is definitely a good bet. There is now a shorter version
> for 40-6 which will probably fit on your lot. Stealthy design too. I
> have 2 Buckmaster antennas and I love them.
>
> Also check out the Par EndFedz antennas. I have several of these and
> they are quick to install and work well and they are cheap.
>
> Mark, WD4ELG
> http://wd4elg.net
>

5257. RE: [ham-antennas] Anyone ever try a vertical g5rv?

Yahoo group: ham-antennas (2008)
Date: 2008-07-08 03:28:47 UTC
From: Dick Foster
Topic: 5253 Message: 5257

Steve,

That will be an interesting experiment. It would work better on 20m and be easier to tune if it was 17 feet on each side. From what I□ve read a vertically oriented dipole will tend to interact with the ground and give you somewhat higher angle radiation if the bottom of the antenna is less than ½ wave (33 ft on 20m) up.

My guess is that it will do better than the same antenna up horizontally, but not as good as a 25 foot ground mounted vertical with lots of radials.

Dick W5TA

-----Original Message-----
From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
On Behalf Of wb1fjh
Sent: Sunday, July 06, 2008 11:52 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Anyone ever try a vertical g5rv?

Hi guys,
I'm thinking about putting up a smaller sized g5rv style dipole vertically on 20 and above.I figure about 12 3/4 feet aside and fed with 300 ohm twin and run that into the 4:1 balun in the shack.
I've had good luck with g5rv/doublets fed this way horizontally ,and I wonder if any one has tried it vertically.The goal is low angle for 20dx,and running it on 10 and maybe even 6.My ldg does pretty good at fooling the rig making it see 50ohms.
Any ideas?Maybe a OCF fed with 300?
Maybe using the 16 1/2 foot aside?
Look forward to any responses,and thanks in advance.
73
Steve WB1FJH

[Non-text portions of this message have been removed]

5258. Re: Antenna Coax Grounding - Need input

Yahoo group: ham-antennas (2008)
Date: 2008-07-08 10:15:41 UTC
From: d_ziolkowski
Topic: 5209 Message: 5258

Everything I have read says to ground the shield through surge arrestor. If you ground the shield directly, doesn't that effectively ground the dipole element?

Dan kc2sta

--- In ham-antennas@yahoogroups.com, "John P." <jpetrocxme@...> wrote:
>
> Jim,
>
> Thanks, I be looking there. I need only about 100 to 120 feet.
>
> BTW, I use #12 insulated for all my dipoles and did you know that the THHN insulation reduces the velocity factor by 3-4% thus reducing the dipole length accordingly?
>
> Maybe You could use some of the #10 for a dipole (Hi Hi)
>
> 73's
>
> --- On Wed, 7/2/08, James M.(Jim) Geidl <jgeidl@...> wrote:
>
> From: James M.(Jim) Geidl <jgeidl@...>
> Subject: RE: [ham-antennas] Antenna Coax Grounding - Need input
> To: ham-antennas@yahoogroups.com
> Date: Wednesday, July 2, 2008, 8:50 PM
>
>
>
>
>
>
> John,
>
> FWIW, I bought a 500' roll of #10 insulated on Ebay pretty cheap a few
> months back.
>
> Jim, K6JMG
> //
>
> > [mailto:ham-antennas@ yahoogroups. com] On Behalf Of John P.
> > Sent: Wednesday, July 02, 2008 5:37 PM
> > To: ham-antennas@ yahoogroups. com
> > Subject: Re: [ham-antennas] Antenna Coax Grounding - Need input
> >

> > Phil,
> >
> > I like the suggestion - thank you.
> >
> > I will probably have to vary slightly since the entry point
> > is before the Service Ground.
> >
> > 1) Coax common at ground rod;
> > 2) 50 feet #10 to bonding point/common point under deck;
> > 3) 35 to 40 feet #10 to Service Ground rod
> > 4) From #1 a 3 foot # 10 to 2nd Coax bond (from here I will
> > get my station ground also)
> >
> > Sounds like a good plan. Now just to locate a a "good"
> > price the #10 wire. Don't worry, I'll not take down any
> > power transmission lines even though I used to work for a
> > Utility Company (HV Transmission Planning & Analyst).
> >
> > BTW, the Service Ground is #10 aluminum.
> >
> > Thanks Again!
> >
> > --- On Wed, 7/2/08, Phil Bader <PBADER@TAMPABAY. RR.COM> wrote:
> >
> > From: Phil Bader <PBADER@TAMPABAY. RR.COM>
> > Subject: Re: [ham-antennas] Antenna Coax Grounding - Need input
> > To: ham-antennas@ yahoogroups. com
> > Date: Wednesday, July 2, 2008, 6:55 PM
> >
> >
> >
> >
> >
> >
> > OK- At the antenna base at the 50 foot point where you bond
> > the coax grounds together to a ground rod, I would bond at
> > least a #10 copper wire,and feed on thru the PVC with the
> > coaxes,on to the house entry point, where you again bond all
> > shields to this #10 wire,and again at that end feed the wire
> > to a ground at the house end if possible. That bonds every
> > end the same. and with the house electrical ground.
> > Phil
> > Philip Bader
> > Polk County School Board
> > Intercom & Fire Alarm Electronics Systems Tech
> > Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006 Amateur call:
> > KI4NUC, Winter Haven, Fl.
> > Member: Lakeland Amateur Radio Club
> > http://www.lakeland arc.org/
> > pbader@tampabay. rr.com

> >
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> [Non-text portions of this message have been removed]
>

5259. Re: Anyone ever try a vertical g5rv?

Yahoo group: ham-antennas (2008)
Date: 2008-07-08 14:53:40 UTC
From: wb1fjh
Topic: 5253 Message: 5259

thanks Dick,

how i arrived at 12 3/4 ft. was a 1/4 g5rv.

i also think that it might fall into the ball park of a extended double zepp on 6 .alittle long ,but my guess is that most of the tuning in a edz is the tuned feeders.For whatever reson, people hate g5rv's.i built 2 of them.one "standard" with the matching section adn coaxiallly fed,and the other, fed with just twin.I tell people it's a vee or doublet.

I'd be interested if any of you guys are good at modeling,and it's not a pain,

to run... 12 3/4 ft. a side fed with 300, the bottom about 16 to 20 ft above average ground.

if i can beat the heat, i might just throw it together and see if she plays.the only true test.it's just motivation at this point.

73 Steve WB1FJH
--- In ham-antennas@yahoogroups.com, "Dick Foster" <w5ta@...> wrote:
>
> Steve,
>
> That will be an interesting experiment. It would work better on 20m
and
> be easier to tune if it was 17 feet on each side. From what I've
read a
> vertically oriented dipole will tend to interact with the ground and
> give you somewhat higher angle radiation if the bottom of the antenna
is
> less than ½ wave (33 ft on 20m) up.
>
> My guess is that it will do better than the same antenna up
> horizontally, but not as good as a 25 foot ground mounted vertical
with
> lots of radials.
>
> Dick W5TA
>
> -----Original Message-----
> From: ham-antennas@yahoogroups.com
[mailto:ham-antennas@yahoogroups.com]
> On Behalf Of wb1fjh
> Sent: Sunday, July 06, 2008 11:52 PM

> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] Anyone ever try a vertical g5rv?
>
> Hi guys,
> I'm thinking about putting up a smaller sized g5rv style dipole
> vertically on 20 and above.I figure about 12 3/4 feet aside and fed
> with 300 ohm twin and run that into the 4:1 balun in the shack.
> I've had good luck with g5rv/doublets fed this way horizontally ,and I
> wonder if any one has tried it vertically.The goal is low angle for
> 20dx,and running it on 10 and maybe even 6.My ldg does pretty good at
> fooling the rig making it see 50ohms.
> Any ideas?Maybe a OCF fed with 300?
> Maybe using the 16 1/2 foot aside?
> Look forward to any responses,and thanks in advance.
> 73
> Steve WB1FJH
>
>
>
> [Non-text portions of this message have been removed]
>

5261. Re: [ham-antennas] Re: Antenna Coax Grounding - Need input

Yahoo group: ham-antennas (2008)
Date: 2008-07-08 23:02:43 UTC
From: Phil Bader
Topic: 5209 Message: 5261

If you tie the coax center and shield directly to the antenna without a balun, then one side is grounded,sure.But there are other types of arrestors that will protect the other center conductor as well.
Phil B
Philip Bader
Polk County School Board
Intercom & Fire Alarm Electronics Systems Tech
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakelandarc.org/
pbader@...

----- Original Message -----
From: d_ziolkowski
To: ham-antennas@yahoogroups.com
Sent: Tuesday, July 08, 2008 6:15 AM
Subject: [ham-antennas] Re: Antenna Coax Grounding - Need input

Everything I have read says to ground the shield through surge arrestor. If you ground the shield directly, doesn't that effectively ground the dipole element?

Dan kc2sta

--- In ham-antennas@yahoogroups.com, "John P." <jpetrocxme@...> wrote:
>
> Jim,
>
> Thanks, I be looking there. I need only about 100 to 120 feet.
>
> BTW, I use #12 insulated for all my dipoles and did you know that the THHN insulation reduces the velocity factor by 3-4% thus reducing the dipole length accordingly?
>
> Maybe You could use some of the #10 for a dipole (Hi Hi)
>
> 73's
>
> --- On Wed, 7/2/08, James M.(Jim) Geidl <jgeidl@...> wrote:
>
> From: James M.(Jim) Geidl <jgeidl@...>
> Subject: RE: [ham-antennas] Antenna Coax Grounding - Need input
> To: ham-antennas@yahoogroups.com
> Date: Wednesday, July 2, 2008, 8:50 PM
>

>
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>
>
>
> John,
>
> FWIW, I bought a 500' roll of #10 insulated on Ebay pretty cheap a few
> months back.
>
> Jim, K6JMG
> //
>
> > [mailto:ham-antennas@ yahoogroups. com] On Behalf Of John P.
> > Sent: Wednesday, July 02, 2008 5:37 PM
> > To: ham-antennas@ yahoogroups. com
> > Subject: Re: [ham-antennas] Antenna Coax Grounding - Need input
> >
> > Phil,
> >
> > I like the suggestion - thank you.
> >
> > I will probably have to vary slightly since the entry point
> > is before the Service Ground.
> >
> > 1) Coax common at ground rod;
> > 2) 50 feet #10 to bonding point/common point under deck;
> > 3) 35 to 40 feet #10 to Service Ground rod
> > 4) From #1 a 3 foot # 10 to 2nd Coax bond (from here I will
> > get my station ground also)
> >
> > Sounds like a good plan. Now just to locate a a "good"
> > price the #10 wire. Don't worry, I'll not take down any
> > power transmission lines even though I used to work for a
> > Utility Company (HV Transmission Planning & Analyst).
> >
> > BTW, the Service Ground is #10 aluminum.
> >
> > Thanks Again!
> >
> > --- On Wed, 7/2/08, Phil Bader <PBADER@TAMPABAY. RR.COM> wrote:
> >
> > From: Phil Bader <PBADER@TAMPABAY. RR.COM>
> > Subject: Re: [ham-antennas] Antenna Coax Grounding - Need input
> > To: ham-antennas@ yahoogroups. com
> > Date: Wednesday, July 2, 2008, 6:55 PM
> >
> >
> >
> >

> >
> >
> > OK- At the antenna base at the 50 foot point where you bond
> > the coax grounds together to a ground rod, I would bond at
> > least a #10 copper wire,and feed on thru the PVC with the
> > coaxes,on to the house entry point, where you again bond all
> > shields to this #10 wire,and again at that end feed the wire
> > to a ground at the house end if possible. That bonds every
> > end the same. and with the house electrical ground.
> > Phil
> > Philip Bader
> > Polk County School Board
> > Intercom & Fire Alarm Electronics Systems Tech
> > Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006 Amateur call:
> > KI4NUC, Winter Haven, Fl.
> > Member: Lakeland Amateur Radio Club
> > http://www.lakeland arc.org/
> > pbader@tampabay. rr.com
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> [Non-text portions of this message have been removed]
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No virus found in this incoming message.
Checked by AVG - http://www.avg.com
Version: 8.0.138 / Virus Database: 270.4.6/1539 - Release Date: 7/7/2008 6:35 PM

No virus found in this outgoing message.
Checked by AVG - http://www.avg.com
Version: 8.0.138 / Virus Database: 270.4.6/1539 - Release Date: 7/7/2008 6:35 PM

[Non-text portions of this message have been removed]

5262. Re: Antenna Coax Grounding - Need input

Yahoo group: ham-antennas (2008)
Date: 2008-07-08 23:57:12 UTC
From: Barry L. Hoffman
Topic: 5209 Message: 5262

DC Ground, Yes!

RF Ground no.

--- In ham-antennas@yahoogroups.com, "d_ziolkowski"
<dan.ziolkowski@...> wrote:
>
> Everything I have read says to ground the shield through surge
> arrestor. If you ground the shield directly, doesn't that
effectively
> ground the dipole element?
>
> Dan kc2sta
>
> --- In ham-antennas@yahoogroups.com, "John P." <jpetrocxme@> wrote:
> >
> > Jim,
> >
> > Thanks, I be looking there. I need only about 100 to 120 feet.
> >
> > BTW, I use #12 insulated for all my dipoles and did you know
that
> the THHN insulation reduces the velocity factor by 3-4% thus
reducing
> the dipole length accordingly?
> >
> > Maybe You could use some of the #10 for a dipole (Hi Hi)
> >
> > 73's
> >
> > --- On Wed, 7/2/08, James M.(Jim) Geidl <jgeidl@> wrote:
> >
> > From: James M.(Jim) Geidl <jgeidl@>
> > Subject: RE: [ham-antennas] Antenna Coax Grounding - Need input
> > To: ham-antennas@yahoogroups.com
> > Date: Wednesday, July 2, 2008, 8:50 PM
> >
> >
> >
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> >
> >
> > John,
> >
> > FWIW, I bought a 500' roll of #10 insulated on Ebay pretty cheap

a few
> > months back.
> >
> > Jim, K6JMG
> > //
> >
> > > [mailto:ham-antennas@ yahoogroups. com] On Behalf Of John P.
> > > Sent: Wednesday, July 02, 2008 5:37 PM
> > > To: ham-antennas@ yahoogroups. com
> > > Subject: Re: [ham-antennas] Antenna Coax Grounding - Need input
> > > >
> > > Phil,
> > > >
> > > I like the suggestion - thank you.
> > > >
> > > I will probably have to vary slightly since the entry point
> > > is before the Service Ground.
> > > >
> > > 1) Coax common at ground rod;
> > > 2) 50 feet #10 to bonding point/common point under deck;
> > > 3) 35 to 40 feet #10 to Service Ground rod
> > > 4) From #1 a 3 foot # 10 to 2nd Coax bond (from here I will
> > > get my station ground also)
> > > >
> > > Sounds like a good plan. Now just to locate a a "good"
> > > price the #10 wire. Don't worry, I'll not take down any
> > > power transmission lines even though I used to work for a
> > > Utility Company (HV Transmission Planning & Analyst).
> > > >
> > > BTW, the Service Ground is #10 aluminum.
> > > >
> > > Thanks Again!
> > > >
> > > --- On Wed, 7/2/08, Phil Bader <PBADER@TAMPABAY. RR.COM> wrote:
> > > >
> > > From: Phil Bader <PBADER@TAMPABAY. RR.COM>
> > > Subject: Re: [ham-antennas] Antenna Coax Grounding - Need input
> > > To: ham-antennas@ yahoogroups. com
> > > Date: Wednesday, July 2, 2008, 6:55 PM
> > > >
> > > >
> > > >
> > > >
> > > >
> > > >
> > > OK- At the antenna base at the 50 foot point where you bond
> > > the coax grounds together to a ground rod, I would bond at
> > > least a #10 copper wire,and feed on thru the PVC with the
> > > coaxes,on to the house entry point, where you again bond all
> > > shields to this #10 wire,and again at that end feed the wire

> > > to a ground at the house end if possible. That bonds every
> > > end the same. and with the house electrical ground.
> > > Phil
> > > Philip Bader
> > > Polk County School Board
> > > Intercom & Fire Alarm Electronics Systems Tech
> > > Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006 Amateur call:
> > > KI4NUC, Winter Haven, Fl.
> > > Member: Lakeland Amateur Radio Club
> > > http://www.lakeland arc.org/
> > > pbader@tampabay. rr.com
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> > [Non-text portions of this message have been removed]
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>

5263. Installing Vertical - Mast in Concrete - making Sure its Plumb

Yahoo group: ham-antennas (2008)
Date: 2008-07-10 02:09:01 UTC
From: jsternmd
Topic: 5263 Message: 5263

Hi Group,

Installing my first 43' vertical and will place the 4-5' mast into a sonic tube then pour concrete. Since only a small length of the mast is above ground before concrete sets, what is the easiest method to make sure that the mast pipe is 100% vertical (Plumb) since only about 1 foot will be sticking out? I can imagine that even the smallest amount of the buried 4 feet of mast pipe being ever slightly off-plumb will lead to a tilted vertical. Any "easy" methods greatly appreciated.

73 Jerry
K1JOS

5264. RE: [ham-antennas] Installing Vertical - Mast in Concrete - making Sure its Plumb

Yahoo group: ham-antennas (2008)
Date: 2008-07-10 02:13:18 UTC
From: James M.(Jim) Geidl
Topic: 5263 Message: 5264

Jerry,

I would put a section on the mast above ground so I had something substantial to work with to true the section in the ground.

Jim, K6JMG
//

> [mailto:ham-antennas@yahoogroups.com] On Behalf Of jsternmd
> Sent: Wednesday, July 09, 2008 7:09 PM
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] Installing Vertical - Mast in
> Concrete - making Sure its Plumb
>
> Hi Group,
>
> Installing my first 43' vertical and will place the 4-5' mast
> into a sonic tube then pour concrete. Since only a small
> length of the mast is above ground before concrete sets, what
> is the easiest method to make sure that the mast pipe is 100%
> vertical (Plumb) since only about
> 1 foot will be sticking out? I can imagine that even the
> smallest amount of the buried 4 feet of mast pipe being ever
> slightly off-plumb will lead to a tilted vertical. Any
> "easy" methods greatly appreciated.
>
> 73 Jerry
> K1JOS

5265. RE: [ham-antennas] Installing Vertical - Mast in Concrete - making Sure its Plumb

Yahoo group: ham-antennas (2008)
Date: 2008-07-10 02:14:04 UTC
From: James Fogg
Topic: 5263 Message: 5265

Can you insert a longer dowel or a pipe into the base to provide an above-ground indication of plumb?

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of jsternmd
Sent: Wednesday, July 09, 2008 10:09 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Installing Vertical - Mast in Concrete - making Sure its Plumb

Hi Group,

Installing my first 43' vertical and will place the 4-5' mast into a sonic tube then pour concrete. Since only a small length of the mast is above ground before concrete sets, what is the easiest method to make sure that the mast pipe is 100% vertical (Plumb) since only about 1 foot will be sticking out? I can imagine that even the smallest amount of the buried 4 feet of mast pipe being ever slightly off-plumb will lead to a tilted vertical. Any "easy" methods greatly appreciated.

73 Jerry
K1JOS

No virus found in this incoming message.
Checked by AVG - http://www.avg.com
Version: 8.0.138 / Virus Database: 270.4.7/1543 - Release Date: 7/9/2008 6:32 PM

[Non-text portions of this message have been removed]

5266. Re: [ham-antennas] Installing Vertical - Mast in Concrete - making Sure its Plumb

Yahoo group: ham-antennas (2008)
Date: 2008-07-10 03:28:51 UTC
From: Barry Hoffman
Topic: 5263 Message: 5266

You could use the conventional methods of extending the pipe above ground and use a vertical level or a plumb bob.

OR, you could use some of the not so conventional methods.

(1) Fill it with water to the rim. When the water does not drain out to one site, it is level/plumb.

OR

(2) Wait until exactly 12:00 (Not Daylight Savings Time) on next summer's solstace (this year's is past). the sun should shine all the way down the inside to the bottom of the pipe and not cast any shaddow.

73
K7BLH

--- On Wed, 7/9/08, jsternmd <jsternmd@...> wrote:

From: jsternmd <jsternmd@earthlink.net>
Subject: [ham-antennas] Installing Vertical - Mast in Concrete - making Sure its Plumb
To: ham-antennas@yahoogroups.com
Date: Wednesday, July 9, 2008, 7:09 PM

Hi Group,

Installing my first 43' vertical and will place the 4-5' mast into a sonic tube then pour concrete. Since only a small length of the mast is above ground before concrete sets, what is the easiest method to make sure that the mast pipe is 100% vertical (Plumb) since only about 1 foot will be sticking out? I can imagine that even the smallest amount of the buried 4 feet of mast pipe being ever slightly off-plumb will lead to a tilted vertical. Any "easy" methods greatly appreciated.

73 Jerry
K1JOS

[Non-text portions of this message have been removed]

5267. Re: [ham-antennas] Installing Vertical - Mast in Concrete - making Sure its Plumb

Yahoo group: ham-antennas (2008)
Date: 2008-07-10 03:34:12 UTC
From: Dean
Topic: 5263 Message: 5267

I have put up Many tall towers...
Just extend the pipe and use a Good level.
Check the level to make Sure the bubble is
true vertical. Check it on something you
think is vertical then reverse the level.

73 Dean W5GXL

W5GXL@...

On Jul 9, 2008, at 9:09 PM, jsternmd wrote:

> Hi Group,
>
> Installing my first 43' vertical and will place the 4-5' mast into a
> sonic tube then pour concrete. Since only a small length of the mast
> is above ground before concrete sets, what is the easiest method to
> make sure that the mast pipe is 100% vertical (Plumb) since only about
> 1 foot will be sticking out? I can imagine that even the smallest
> amount of the buried 4 feet of mast pipe being ever slightly off-plumb
> will lead to a tilted vertical. Any "easy" methods greatly
> appreciated.
>
> 73 Jerry
> K1JOS
>
>
>

[Non-text portions of this message have been removed]

5268. Re: [ham-antennas] Installing Vertical - Mast in Concrete - making Sure its Plumb

Yahoo group: ham-antennas (2008)
Date: 2008-07-10 06:20:00 UTC
From: jerry
Topic: 5263 Message: 5268

hi jerry
what kind of vertical are you installing?
jerry wi7f

----- Original Message ----
From: jsternmd <jsternmd@...>
To: ham-antennas@yahoogroups.com
Sent: Wednesday, July 9, 2008 7:09:01 PM
Subject: [ham-antennas] Installing Vertical - Mast in Concrete - making Sure its Plumb

Hi Group,

Installing my first 43' vertical and will place the 4-5' mast into a
sonic tube then pour concrete. Since only a small length of the mast
is above ground before concrete sets, what is the easiest method to
make sure that the mast pipe is 100% vertical (Plumb) since only about
1 foot will be sticking out? I can imagine that even the smallest
amount of the buried 4 feet of mast pipe being ever slightly off-plumb
will lead to a tilted vertical. Any "easy" methods greatly appreciated.

73 Jerry
K1JOS

[Non-text portions of this message have been removed]

5269. Re: [ham-antennas] antenna parts

Yahoo group: ham-antennas (2008)
Date: 2008-07-10 06:54:56 UTC
From: Wayne
Topic: 5193 Message: 5269

Muffler clamps come in assorted sizes. I still have one or two in the stuff I have put away.
Not a good choice for antennas, as they will rust far sooner than zinc plated U Bolts.
Hardware stores may or may not have U Bolts
A Saddle Clamp consists of a U bolt and another part, plus nuts and washers and so on.
Places like Lowe's home improvement, Home Depot and Ace hardware may have them, sold as antennas clamps. Radio shacks may or may not have them in stock.
I have bought a number of them for various antennas I have made.
It does seem to be getting harder to find them, so some searching may be in order.
YMMV

Wayne WA2YNE

On Tue, 01 Jul 2008 14:16:06 -0500, <KE7JSL@...> wrote:

>> I ordered some saddle clamps and other antenna
> parts from a CB antenna parts supplier
>
> Hello,
>
> Well I first had to figure out what a saddle clamp was! I call them
> u-bolts :) The last time I needed one I went to the auto part store
> and asked for a muffler clamp. Don't know if it would be the correct
> size but its worth a shot. Also check your local hardware store I know
> they have u-bolts but I not sure about the "clamp" part.
>
> John
> KE7JSL
> Sent via BlackBerry from T-Mobile

--
Using Opera's revolutionary e-mail client: http://www.opera.com/mail/

5270. 5BTV vertical

Yahoo group: ham-antennas (2008)
Date: 2008-07-10 10:27:41 UTC
From: Kurt
Topic: 5270 Message: 5270

Hello to all;

I am getting a used 5BTV in a couple of days and of course been reading up on it (I already download the manual), the reviews on eham etc.

Question for anyone who is using one.

1. In several reviews it said it was useable on 17 and 6 meters? I know Dx Eng, has a add-on trap for 17 meters, but the reviewer did not say anything about the add-on. On 6 meters how is it?

I am going to ground mount it and try to install at least 20 radials in my small yard

Thanks and 73
Kurt
K8YZK

5271. RE: [ham-antennas] Installing Vertical - Mast in Concrete - making Sure its Plumb

Yahoo group: ham-antennas (2008)
Date: 2008-07-10 13:06:55 UTC
From: Jerry Stern
Topic: 5263 Message: 5271

The DxEngineering 43' HF 10-80m

any ideas apprceiated

73
jerry
k1jos

-----Original Message-----
From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of jerry
Sent: Thursday, July 10, 2008 2:20 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Installing Vertical - Mast in Concrete - making Sure its Plumb

hi jerry
what kind of vertical are you installing?
jerry wi7f

----- Original Message ----
From: jsternmd <jsternmd@earthlink. <mailto:jsternmd%40earthlink.net> net>
To: ham-antennas@ <mailto:ham-antennas%40yahoogroups.com> yahoogroups.com
Sent: Wednesday, July 9, 2008 7:09:01 PM
Subject: [ham-antennas] Installing Vertical - Mast in Concrete - making Sure its Plumb

Hi Group,

Installing my first 43' vertical and will place the 4-5' mast into a sonic tube then pour concrete. Since only a small length of the mast is above ground before concrete sets, what is the easiest method to make sure that the mast pipe is 100% vertical (Plumb) since only about 1 foot will be sticking out? I can imagine that even the smallest amount of the buried 4 feet of mast pipe being ever slightly off-plumb will lead to a tilted vertical. Any "easy" methods greatly appreciated.

73 Jerry
K1JOS

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

5272. RE: [ham-antennas] Installing Vertical - Mast in Concrete - making Sure its Plumb

Yahoo group: ham-antennas (2008)
Date: 2008-07-10 13:45:53 UTC
From: Rich Schmuke
Topic: 5263 Message: 5272

Jerry , I would mount the lower section of the antenna or a section of steel EMT on the base and check it with a level. You can true the assembly with dry mix in the hole and then add water.

Rich , Kd0zz

As an act of plagiarism . Disclaimer: Any errors in spelling or facts are transmission errors.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Jerry Stern
Sent: Thursday, July 10, 2008 8:07 AM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Installing Vertical - Mast in Concrete - making Sure its Plumb

The DxEngineering 43' HF 10-80m

any ideas apprceiated

73
jerry
k1jos

-----Original Message-----
From: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com> [mailto:ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>] On
Behalf Of jerry
Sent: Thursday, July 10, 2008 2:20 AM
To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
Subject: Re: [ham-antennas] Installing Vertical - Mast in Concrete - making Sure its Plumb

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To: ham-antennas@ <mailto:ham-antennas%40yahoogroups.com> yahoogroups.com
Sent: Wednesday, July 9, 2008 7:09:01 PM
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5273. RE: [ham-antennas] Installing Vertical - Mast in Concrete - making Sure its Plumb

Yahoo group: ham-antennas (2008)
Date: 2008-07-10 14:00:15 UTC
From: Rich Schmuke
Topic: 5263 Message: 5273

Jerry ,

you can make a thin plate and mount it on 4 studs with a nut on the top and bottom of the plate. This will allow you to adjust for any tilt after you concrete gets hard. Check out a picture of mine listed as 2nd tilt set up in the picture section in the Yahoo group. I hate to buy stuff if I can make it. This a tilt over mount and has a 50ft vertical on it. Really a 20m caged ½ wave vertical on a 20ft mast .

Rich , Kd0zz

As an act of plagiarism . Disclaimer: Any errors in spelling or facts are transmission errors.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Jerry Stern
Sent: Thursday, July 10, 2008 8:07 AM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Installing Vertical - Mast in Concrete - making Sure its Plumb

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5274. RE: [ham-antennas] Installing Vertical - Mast in Concrete - making Sure its Plumb

Yahoo group: ham-antennas (2008)
Date: 2008-07-10 14:09:28 UTC
From: Rich Schmuke
Topic: 5263 Message: 5274

Jerry , I looked at the antenna you are going to use. What type of tuner system are you going to mount at the base??. I have seen one for 20/40 on a system like this but not one for all bands that you did not have to go out in the rain and adjust at the base. I am always trying different things my self.

Rich , Kd0zz

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5275. Re: [ham-antennas] 5BTV vertical

Yahoo group: ham-antennas (2008)
Date: 2008-07-10 14:12:35 UTC
From: k9ttt@comcast.net
Topic: 5270 Message: 5275

Kurt;
I have found that to be a exceptional antenna. I have mixed 225, phone 200, cw 115, 40, and 20 DXCC using the exact set up you describe (never had a beam). Have 1/2~ wave 14g thhn burried on 10,15, 20, 40, (no room for 80). 80 trap VERY hard to tune. Have added the 30 meter trap and it is very efficient. Do not know how well 17 would work. If you are in an area subject to strong winds, I do suggest guying just above the 40 mtr trap.
Dale K9TTT
Jackson, MI
BTW; Did not look you up on QRZ, but if in the area, glad to show you set up

[Non-text portions of this message have been removed]

5276. TERLIN OUTBACK SURVIVOR 9

Yahoo group: ham-antennas (2008)
Date: 2008-07-10 14:39:03 UTC
From: DEAN
Topic: 5276 Message: 5276

hi there folks

i have one of these antennas that i aquired at a second hans sale and was wondering if there was any modification i could do to the antenna so i would be able to use it on 40 & 80m i have read the specs on the website and it apears that you tune it for each opperating frequency by using the cable that is provided and plugging it into the correct sockets that run up and down the antenna that said could i not just set it as iff i was opperating on say 2020mhz or 4980mhz then use my ATU to tune it the rest of the way to work on 80m or set it to 7800mhz and again use my ATU to tune it up for 40m can anyone see an issue in doing this

73
Dean

oh here is the link to the antennas website

http://www.outbacker.com.au/TERLIN_OUTBACK_SURVIVOR__9_157.php

5277. RE: [ham-antennas] Installing Vertical - Mast in Concrete - making Sure its Plumb

Yahoo group: ham-antennas (2008)
Date: 2008-07-10 14:56:39 UTC
From: James Fogg
Topic: 5263 Message: 5277

While this method is sufficient for fence posts, it doesn't assure proper mixing and can alter cure rates, thus weakening the concrete. I wouldn't recommend it when the full strength of concrete is needed, such as with an antenna base.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Rich Schmuke
Sent: Thursday, July 10, 2008 9:46 AM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Installing Vertical - Mast in Concrete - making Sure its Plumb

Jerry , I would mount the lower section of the antenna or a section of steel
EMT on the base and check it with a level. You can true the assembly with
dry mix in the hole and then add water.

Rich , Kd0zz

No virus found in this incoming message.
Checked by AVG - http://www.avg.com
Version: 8.0.138 / Virus Database: 270.4.7/1544 - Release Date: 7/10/2008 7:37 AM

[Non-text portions of this message have been removed]

5278. RE: [ham-antennas] Installing Vertical - Mast in Concrete - making Sure its Plumb

Yahoo group: ham-antennas (2008)
Date: 2008-07-10 15:11:28 UTC
From: Jerry Stern
Topic: 5263 Message: 5278

DX Enginering recommeded a 4:1 balun and to then run coax to my shack
palstar. I plan to run full legal and don't know of any that could handle
remote tuning of 1.5Kw

-----Original Message-----
From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On
Behalf Of Rich Schmuke
Sent: Thursday, July 10, 2008 10:09 AM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Installing Vertical - Mast in Concrete - making
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From: ham-antennas@ <mailto:ham-antennas%40yahoogroups.com> yahoogroups.com
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yahoogroups.com] On
Behalf Of Jerry Stern
Sent: Thursday, July 10, 2008 8:07 AM
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any ideas apprceiated

73
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<mailto:ham-antennas%40yahoogroups.com>
[mailto:ham-antennas@ <mailto:ham-antennas%40yahoogroups.com>
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To: ham-antennas@ <mailto:ham-antennas%40yahoogroups.com> yahoogroups.com
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K1JOS

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5279. RE: [ham-antennas] Installing Vertical - Mast in Concrete - making Sure its Plumb

Yahoo group: ham-antennas (2008)
Date: 2008-07-10 15:21:11 UTC
From: Jerry Stern
Topic: 5263 Message: 5279

thanks Rich, I thought of jury rigging a brace of 2"x4" with a plumb line
but wanted to know if anyone had an easier idea

Nice job on your tilt mount... wish I had s small shop to fashion those kind
of things

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Jerry
K1JOS

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From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On
Behalf Of Rich Schmuke
Sent: Thursday, July 10, 2008 9:46 AM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Installing Vertical - Mast in Concrete - making
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Sent: Thursday, July 10, 2008 8:07 AM
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Subject: RE: [ham-antennas] Installing Vertical - Mast in Concrete - making
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5280. Re: [ham-antennas] 5BTV vertical

Yahoo group: ham-antennas (2008)
Date: 2008-07-10 15:24:09 UTC
From: Traveler
Topic: 5270 Message: 5280

Hi Dale, thanks for the reply. Yes and no about being in the area. I live in Allen Park, near detroit, but have a trailer at a campground in Moscow. Won't be there this weekend, but planning for next.

I am probably make it a 4btv instead of the 5 because of lack of space for radial, I should be able to put down 3 to 4 for each band if I have it figured right.

If you are on 2 meters what repeater do you listen to, maybe I will give you a shout to look at your setup.

73
Kurt
K8YZK

--- On Thu, 7/10/08, k9ttt@comcast.net <k9ttt@...> wrote:

From: k9ttt@... <k9ttt@comcast.net>
Subject: Re: [ham-antennas] 5BTV vertical
To: ham-antennas@yahoogroups.com
Date: Thursday, July 10, 2008, 10:12 AM

Kurt;
I have found that to be a exceptional antenna. I have mixed 225, phone 200, cw 115, 40, and 20 DXCC using the exact set up you describe (never had a beam). Have 1/2~ wave 14g thhn burried on 10,15, 20, 40, (no room for 80). 80 trap VERY hard to tune. Have added the 30 meter trap and it is very efficient. Do not know how well 17 would work. If you are in an area subject to strong winds, I do suggest guying just above the 40 mtr trap.
Dale K9TTT
Jackson, MI
BTW; Did not look you up on QRZ, but if in the area, glad to show you set up

[Non-text portions of this message have been removed]

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5281. bent aluminum antenna parts

Yahoo group: ham-antennas (2008)
Date: 2008-07-10 15:36:56 UTC
From: Dave
Topic: 5281 Message: 5281

Dear Group:

I have a couple of 2 element 40 meter beams that I am trying to convert to a 30 meter, 3 element beam and some of the smaller diameter aluminum rod is bent, not crimped, just bent. Anyone have any experience in straightening aluminum tubing, without crimping?

Thanks in advance.

Dave, W8QW

PeoplePC Online
A better way to Internet
http://www.peoplepc.com

5282. Re: [ham-antennas] TERLIN OUTBACK SURVIVOR 9

Yahoo group: ham-antennas (2008)
Date: 2008-07-10 19:19:06 UTC
From: Chris
Topic: 5276 Message: 5282

No real good way to do it unless you alter the actual loading coils.

Yes, you very well may be able to tune it, but it will be even more of
a dummy load as far as your ERP is concerned.

On Thu, Jul 10, 2008 at 10:39 AM, DEAN <toolmankev2002@...> wrote:
> hi there folks
>
> i have one of these antennas that i aquired at a second hans sale and
> was wondering if there was any modification i could do to the antenna
> so i would be able to use it on 40 & 80m i have read the specs on the
> website and it apears that you tune it for each opperating frequency by
> using the cable that is provided and plugging it into the correct
> sockets that run up and down the antenna that said could i not just set
> it as iff i was opperating on say 2020mhz or 4980mhz then use my ATU to
> tune it the rest of the way to work on 80m or set it to 7800mhz and
> again use my ATU to tune it up for 40m can anyone see an issue in doing
> this
>
> 73
> Dean
>
> oh here is the link to the antennas website
>
> http://www.outbacker.com.au/TERLIN_OUTBACK_SURVIVOR__9_157.php
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 974
members (as of 11/07/07, and attachments are NOT permitted.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
>

5283. RE: [ham-antennas] Installing Vertical - Mast in Concrete - making Sure its Plumb

Yahoo group: ham-antennas (2008)
Date: 2008-07-10 19:33:06 UTC
From: Rich Schmuke
Topic: 5263 Message: 5283

I do have a small shop area now but the tilt up was made before I had a shop. It was made in a drive way. I had the steel sheared at the local steel supplier. My welder was in the basement and I ran the cables out the window to the driveway. The large tilt unit , one with the beam and rotor on top, did not require any welding or cutting at all . It tilts over on pivot points. I just drilled a couple of holes. The two rectangular tube part are from one piece of stock, when you buy a length , if you want it cut, the charge is $1.00 . That's cheaper than buying a saw. So no shop of your own is required to build what I have.

Rich , Kd0zz

As an act of plagiarism . Disclaimer: Any errors in spelling or facts are transmission errors.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Jerry Stern
Sent: Thursday, July 10, 2008 10:21 AM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Installing Vertical - Mast in Concrete - making Sure its Plumb

thanks Rich, I thought of jury rigging a brace of 2"x4" with a plumb line but wanted to know if anyone had an easier idea

Nice job on your tilt mount... wish I had s small shop to fashion those kind of things

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Jerry
K1JOS

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The DxEngineering 43' HF 10-80m

any ideas apprceiated

73
jerry
k1jos

.

Image removed by sender.

[Non-text portions of this message have been removed]

5284. RE: [ham-antennas] Installing Vertical - Mast in Concrete - making Sure its Plumb

Yahoo group: ham-antennas (2008)
Date: 2008-07-10 21:30:36 UTC
From: Mark, KJ7BS
Topic: 5263 Message: 5284

Jerry,

While you may only have a short piece of pipe sticking out of the wet concrete, you have the full length INSIDE the pipe to work with. Just make sure you seal the bottom end (duct tape works) so concrete does not get inside portion of the pipe in the concrete.

Then use a long level, tie a string on it incase you drop it inside the pipe, and hold it against the INSIDE of the pipe. Inside should give you the same "plumb" as outside. Finally set wheatever you are using to hold it plumb and let the concrete cure.

Keep us posted on this antenna because I, too, am considering this antenna for 80 meters.
--
Mark, KJ7BS
Glendale, AZ
Editor, The SKCC Centurion
Elecraft K2 S/N 0539
Fists # 2972 CC 1806
SKCC # 2240 C56 T20
MQFD # 128
QRP-ARCI # 12647
AZ ScQRPions
COGRC Emergency Communications
---- Jerry Stern <jsternmd@...> wrote:

==========
thanks Rich, I thought of jury rigging a brace of 2"x4" with a plumb line
but wanted to know if anyone had an easier idea

Nice job on your tilt mount... wish I had s small shop to fashion those kind
of things

73
Jerry
K1JOS

-----Original Message-----
From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On
Behalf Of Rich Schmuke
Sent: Thursday, July 10, 2008 9:46 AM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Installing Vertical - Mast in Concrete - making
Sure its Plumb

Jerry , I would mount the lower section of the antenna or a section of steel
EMT on the base and check it with a level. You can true the assembly with

dry mix in the hole and then add water.

Rich , Kd0zz

As an act of plagiarism . Disclaimer: Any errors in spelling or facts are transmission errors.

From: ham-antennas@ <mailto:ham-antennas%40yahoogroups.com> yahoogroups.com [mailto:ham-antennas@ <mailto:ham-antennas%40yahoogroups.com> yahoogroups.com] On
Behalf Of Jerry Stern
Sent: Thursday, July 10, 2008 8:07 AM
To: ham-antennas@ <mailto:ham-antennas%40yahoogroups.com> yahoogroups.com
Subject: RE: [ham-antennas] Installing Vertical - Mast in Concrete - making Sure its Plumb

The DxEngineering 43' HF 10-80m

any ideas apprceiated

73
jerry
k1jos

-----Original Message-----
From: ham-antennas@ <mailto:ham-antennas%40yahoogroups.com> yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
[mailto:ham-antennas@ <mailto:ham-antennas%40yahoogroups.com> yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
] On
Behalf Of jerry
Sent: Thursday, July 10, 2008 2:20 AM
To: ham-antennas@ <mailto:ham-antennas%40yahoogroups.com> yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
Subject: Re: [ham-antennas] Installing Vertical - Mast in Concrete - making Sure its Plumb

hi jerry
what kind of vertical are you installing?
jerry wi7f

----- Original Message ----
From: jsternmd <jsternmd@earthlink. <mailto:jsternmd%40earthlink.net> net>
To: ham-antennas@ <mailto:ham-antennas%40yahoogroups.com> yahoogroups.com
Sent: Wednesday, July 9, 2008 7:09:01 PM
Subject: [ham-antennas] Installing Vertical - Mast in Concrete - making Sure its Plumb

Hi Group,

Installing my first 43' vertical and will place the 4-5' mast into a sonic tube then pour concrete. Since only a small length of the mast is above ground before concrete sets, what is the easiest method to

make sure that the mast pipe is 100% vertical (Plumb) since only about 1 foot will be sticking out? I can imagine that even the smallest amount of the buried 4 feet of mast pipe being ever slightly off-plumb will lead to a tilted vertical. Any "easy" methods greatly appreciated.

73 Jerry
K1JOS

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[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

5285. Re: [ham-antennas] Installing Vertical - Mast in Concrete - making Sure its Plumb

Yahoo group: ham-antennas (2008)
Date: 2008-07-10 21:31:41 UTC
From: Andy
Topic: 5263 Message: 5285

If you have a long enough hollow pipe going into the ground, you could suspend a plumb line into it, the longer the better, and shine a bright light down the pipe. Then there's no question how good your level is.

Andy

5286. RE: [ham-antennas] Installing Vertical - Mast in Concrete - making Sure its Plumb

Yahoo group: ham-antennas (2008)
Date: 2008-07-10 22:16:22 UTC
From: Jerry Stern
Topic: 5263 Message: 5286

OK, hope to put it up in the next 2 weeks and will keep all posted. I was quite happy at my former QTH with a Hustler 6BTV and Dx Engineering siad this should outperform by a quite a bit.

73
Jerry
K1JOS

-----Original Message-----
From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Mark, KJ7BS
Sent: Thursday, July 10, 2008 5:31 PM
To: ham-antennas@yahoogroups.com
Cc: Jerry Stern
Subject: RE: [ham-antennas] Installing Vertical - Mast in Concrete - making Sure its Plumb

Jerry,

While you may only have a short piece of pipe sticking out of the wet concrete, you have the full length INSIDE the pipe to work with. Just make sure you seal the bottom end (duct tape works) so concrete does not get inside portion of the pipe in the concrete.

Then use a long level, tie a string on it incase you drop it inside the pipe, and hold it against the INSIDE of the pipe. Inside should give you the same "plumb" as outside. Finally set wheatever you are using to hold it plumb and let the concrete cure.

Keep us posted on this antenna because I, too, am considering this antenna for 80 meters.
--
Mark, KJ7BS
Glendale, AZ
Editor, The SKCC Centurion
Elecraft K2 S/N 0539
Fists # 2972 CC 1806
SKCC # 2240 C56 T20
MQFD # 128
QRP-ARCI # 12647
AZ ScQRPions
COGRC Emergency Communications
---- Jerry Stern <jsternmd@earthlink. <mailto:jsternmd%40earthlink.net> net> wrote:

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Nice job on your tilt mount... wish I had s small shop to fashion those kind
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Jerry
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-----Original Message-----
From: ham-antennas@ <mailto:ham-antennas%40yahoogroups.com> yahoogroups.com
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yahoogroups.com] On
Behalf Of Rich Schmuke
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Rich , Kd0zz

As an act of plagiarism . Disclaimer: Any errors in spelling or facts are
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From: ham-antennas@ <mailto:ham-antennas%40yahoogroups.com> yahoogroups.com
[mailto:ham-antennas@ <mailto:ham-antennas%40yahoogroups.com>
yahoogroups.com] On
Behalf Of Jerry Stern
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To: ham-antennas@ <mailto:ham-antennas%40yahoogroups.com> yahoogroups.com
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The DxEngineering 43' HF 10-80m

any ideas apprceiated

73
jerry
k1jos

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From: ham-antennas@ <mailto:ham-antennas%40yahoogroups.com> yahoogroups.com
<mailto:ham-antennas%40yahoogroups.com>
[mailto:ham-antennas@ <mailto:ham-antennas%40yahoogroups.com>
yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
] On
Behalf Of jerry

Sent: Thursday, July 10, 2008 2:20 AM
To: ham-antennas@ <mailto:ham-antennas%40yahoogroups.com> yahoogroups.com
<mailto:ham-antennas%40yahoogroups.com>
Subject: Re: [ham-antennas] Installing Vertical - Mast in Concrete - making
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hi jerry
what kind of vertical are you installing?
jerry wi7f

----- Original Message ----
From: jsternmd <jsternmd@earthlink. <mailto:jsternmd%40earthlink.net> net>
To: ham-antennas@ <mailto:ham-antennas%40yahoogroups.com> yahoogroups.com
Sent: Wednesday, July 9, 2008 7:09:01 PM
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will lead to a tilted vertical. Any "easy" methods greatly appreciated.

73 Jerry
K1JOS

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

5287. New Ham

Yahoo group: ham-antennas (2008)
Date: 2008-07-11 03:33:20 UTC
From: David
Topic: 5287 Message: 5287

I am a new ham and looking for advice on antenns that I can build. I will be getting my general ticket as soon as I can. I was in 11 meter for 32 years and decided to move on to better things. Now I am very interested in ham radio. I made many contacts during feild day and had a blast sure beats 11 meters. Well I guess all I need to know is how to make antennas. I made a 2 meter jpole that works great out of tv antenna wire. I need to learn more about making antennas. Hope someone can help me out Thanks Dave KB3RIP

5288. RE: [ham-antennas] New Ham

Yahoo group: ham-antennas (2008)
Date: 2008-07-11 03:45:14 UTC
From: James M.(Jim) Geidl
Topic: 5287 Message: 5288

David,

A good investment is the ARRL antenna book. It is several lifetimes worth
of antenna info.

Jim, K6JMG
//

> [mailto:ham-antennas@yahoogroups.com] On Behalf Of David
> Sent: Thursday, July 10, 2008 8:33 PM
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] New Ham
>
> I am a new ham and looking for advice on antenns that I can
> build. I will be getting my general ticket as soon as I can.
> I was in 11 meter for 32 years and decided to move on to
> better things. Now I am very interested in ham radio. I made
> many contacts during feild day and had a blast sure beats 11
> meters. Well I guess all I need to know is how to make
> antennas. I made a 2 meter jpole that works great out of tv
> antenna wire. I need to learn more about making antennas.
> Hope someone can help me out Thanks Dave KB3RIP

5289. Re: New Ham

Yahoo group: ham-antennas (2008)
Date: 2008-07-11 03:44:12 UTC
From: Richard Zolla
Topic: 5287 Message: 5289

DAVE,

I'd go with the ARRL Antenna Book. New or used, you can't go wrong.

Rick N6NKN

--- In ham-antennas@yahoogroups.com, "David" <condor_454@...> wrote:
>
> I am a new ham and looking for advice on antenns that I can build. I
> will be getting my general ticket as soon as I can. I was in 11 meter
> for 32 years and decided to move on to better things. Now I am very
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> a blast sure beats 11 meters. Well I guess all I need to know is how
to
> make antennas. I made a 2 meter jpole that works great out of tv
> antenna wire. I need to learn more about making antennas. Hope
someone
> can help me out Thanks Dave KB3RIP
>

5290. RE: [ham-antennas] New Ham

Yahoo group: ham-antennas (2008)
Date: 2008-07-11 03:49:50 UTC
From: Kirk Morrison
Topic: 5287 Message: 5290

Well, I will do my best, but if I am not clear, let me know, I am having a bit of a rough time right now my beloved wife passed on on June 26 2008, so I am having a bit of trouble phrasing things right, please forgive me.

Well for your first HF a good choice would be an off center fed dipole and with a 4:1 and a 1:1 switchable balun you might not even need a tuner with luck. You do know a tuner doesn't tune the antenna it just tunes the mismatch so the transmitter sees a 50 ohm load or there about.

Well the other choice would be a 102 ft doublet, feed with good quality twin lead, this will work fairly well from 80 to 6 and best from 80 to 10.

Place either facing mostly E/W and slightly N/S and you should be able to work a lot of DX.

multi band dipoles are nice but can be tricky to tune, and normally G5RVs are good but I find the doublet works as well if not better.

Whatever you use you will make contacts and the higher the better if you are interested in DX. Heck I have worked across town on a light bulb filament and with a tuner and 5 watts or so out on 80 CW when I was a kid. I had a guy comeback to me when I was tuning up my old Xtal controlled transmitter.

Kirk KA4PXK

> To: ham-antennas@yahoogroups.
> From: condor_454@...
> Date: Fri, 11 Jul 2008 03:33:20 +0000
> Subject: [ham-antennas] New Ham
>
>
> I am a new ham and looking for advice on antenns that I can build. I
> will be getting my general ticket as soon as I can. I was in 11 meter
> for 32 years and decided to move on to better things. Now I am very
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> make antennas. I made a 2 meter jpole that works great out of tv
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>
>
>

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http://www.windowslive.com/messenger/connect_your_way.html?ocid=TXT_TAGLM_WL_messenger_072008

5291. Re: [ham-antennas] New Ham

Yahoo group: ham-antennas (2008)
Date: 2008-07-11 04:21:42 UTC
From: Jojo Vicencio
Topic: 5287 Message: 5291

Kirk's reply, typifies the spirit of ham radio. Short sentences but lots of nuggets. We're very blessed for that short but very enlightening response. Thanks a lot Kirk.

73,

jojo

Roberto "Jojo" Vicencio USN(Retired)
(DW1OLV)
Mobile +639178501759
VOIP +1-616-928-1134
http://www.vicencio.net
http://www.dw1olv.multiply.com

----- Original Message ----
From: Kirk Morrison <ka4pxk@...>
To: ham-antennas@yahoogroups.com
Sent: Friday, July 11, 2008 11:49:50 AM
Subject: RE: [ham-antennas] New Ham

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Kirk KA4PXK

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> To: ham-antennas@ yahoogroups.
> From: condor_454@hotmail. com
> Date: Fri, 11 Jul 2008 03:33:20 +0000
> Subject: [ham-antennas] New Ham

>
>
> I am a new ham and looking for advice on antenns that I can build. I
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> antenna wire. I need to learn more about making antennas. Hope someone
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>
>
>

_____ _____ _____ _____ _____ _____ _
Need to know now? Get instant answers with Windows Live Messenger.
http://www.windowsl ive.com/messenge r/connect_ your_way. html?ocid= TXT_TAGLM_
WL_messenger_ 072008

[Non-text portions of this message have been removed]

5292. Re: [ham-antennas] Installing Vertical - Mast in Concrete - making Sure its Plumb

Yahoo group: ham-antennas (2008)
Date: 2008-07-11 04:38:05 UTC
From: Dean
Topic: 5263 Message: 5292

Just something to keep in mind...
When you bury a pipe in the ground make
SURE the bottom of the pipe is in some Sand.
DO NOT close off the bottom of the pipe.

It will fill up with water then rust and Freeze
in the winter and split open..

You must make sure it can drain out.

Best of luck

73 Dean W5GXL

W5GXL@...

On Jul 10, 2008, at 4:30 PM, Mark, KJ7BS wrote:

> Jerry,
>
> While you may only have a short piece of pipe sticking out of the
> wet concrete, you have the full length INSIDE the pipe to work with.
> Just make sure you seal the bottom end (duct tape works) so concrete
> does not get inside portion of the pipe in the concrete.
>
> Then use a long level, tie a string on it incase you drop it inside
> the pipe, and hold it against the INSIDE of the pipe. Inside should
> give you the same "plumb" as outside. Finally set wheatever you are
> using to hold it plumb and let the concrete cure.
>
> Keep us posted on this antenna because I, too, am considering this
> antenna for 80 meters.
> --
> Mark, KJ7BS
> Glendale, AZ

[Non-text portions of this message have been removed]

5293. RE: [ham-antennas] Installing Vertical - Mast in Concrete - making Sure its Plumb

Yahoo group: ham-antennas (2008)
Date: 2008-07-11 05:07:30 UTC
From: Mark Saunders, KJ7BS
Topic: 5263 Message: 5293

Freezing? That's something we don't have to worry about in the desert.

You are absolutely correct. My bad.

Mark, KJ7BS
Glendale, AZ
Editor, The SKCC Centurion
Elecraft K2 S/N 0539
Fists # 2972 CC 1806
SKCC # 2240 C56 T20

MQFD # 128
QRP-ARCI # 12647
AZ ScQRPions

COGRC Emergency Communications

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Dean
Sent: Thursday, July 10, 2008 9:38 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Installing Vertical - Mast in Concrete - making Sure its Plumb

Just something to keep in mind...
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You must make sure it can drain out.

Best of luck

73 Dean W5GXL

W5GXL@... <mailto:W5GXL%40ARRL.NET>

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> wet concrete, you have the full length INSIDE the pipe to work with.
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>
> Keep us posted on this antenna because I, too, am considering this
> antenna for 80 meters.
> --
> Mark, KJ7BS
> Glendale, AZ

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

5294. Re: [ham-antennas] Installing Vertical - Mast in Concrete - making Sure its Plumb

Yahoo group: ham-antennas (2008)
Date: 2008-07-11 06:04:30 UTC
From: Barry Hoffman
Topic: 5263 Message: 5294

It doesn't freeze during the winter in Glendale, AZ (That is where Mark, the guy you responded to, lives).

73
K7BLH

--- On Thu, 7/10/08, Dean <w5gxl@...> wrote:

From: Dean <w5gxl@...>
Subject: Re: [ham-antennas] Installing Vertical - Mast in Concrete - making Sure its Plumb
To: ham-antennas@yahoogroups.com
Date: Thursday, July 10, 2008, 9:38 PM

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It will fill up with water then rust and Freeze
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Best of luck

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W5GXL@...

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> Keep us posted on this antenna because I, too, am considering this
> antenna for 80 meters.
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> Mark, KJ7BS
> Glendale, AZ

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

5295. Re: [ham-antennas] Installing Vertical - Mast in Concrete - making Sure its Plumb

Yahoo group: ham-antennas (2008)
Date: 2008-07-11 06:06:46 UTC
From: James
Topic: 5263 Message: 5295

Wana bet?

James
KB7TBT
NEGARC Activities Manager
www.kb7tbt.com
www.ne4ga.org
www.myspace.com/kb7tbt

> It doesn't freeze during the winter in Glendale, AZ (That is where Mark,
> the guy you responded to, lives).
>
> 73
> K7BLH

5296. RE: [ham-antennas] New Ham

Yahoo group: ham-antennas (2008)
Date: 2008-07-11 11:55:36 UTC
From: Rich Schmuke
Topic: 5287 Message: 5296

Glad to have you on the air Dave , welcome aboard. Keep reading about antennas , building is a fun part of ham radio. Go to you next hamfest and pick up old antenna book, the formulas for things don't change so information on a dipole is the same in a 15 yr old book for $4 as it is in a new book for $44.

Here is a link to a little information , http://www.kc7hxc.us/links/radio/antennas.html . When you have memorized all of it try , http://www.ac6v.com/antprojects.htm. On getting on HF just cut a dipole to get on the air. Single band dipole are cheap and easy, no tuner or other parts needed. Then for maximum reach around the world a set of180 ft tower and stacked beams are great but we all cant afford that. In between those refer to the links I listed. I cant climb so I made my own tilt overs. Check out my tilt over in the picture section. Keep asking questions , you will get many answers. Keep the ones you like and put the others in your garden, they will help your plants grow.

KD0ZZ , Rich

I am not getting older but having a propagation problem with the neurons in the grey matter.

Any errors in spelling or facts are tramsmission errors

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of David
Sent: Thursday, July 10, 2008 10:33 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] New Ham

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[Non-text portions of this message have been removed]

5297. Re: Installing Vertical - Mast in concrete - making sure its Plumb

Yahoo group: ham-antennas (2008)
Date: 2008-07-11 12:00:39 UTC
From: noswadplease
Topic: 5297 Message: 5297

Jerry,

I am gathering material to install (2) 48' antenna poles to raise the ends of my G5RV. I went thru this myself until I came up with my plan.
I didn't want it to be permanent so I decided to buy fence post stakes. The steel ones for the cheap wire fence with the small spade at the bottom. Pound it into the ground, you can level it very easily. After this I will take a section of schedule 80 pvc pipe with the inside diameter to just be a little larger than the antenna mast. U-bolt clamp it in a couple of places. You can put a small piece of wood to keep the pole end off of the ground. I will keep the bottom of the pvc off the ground a couple of inches so water can drain thru. Use the appropriate schedule 80 in stead of shedule 40 it has a heavier wall. Of course at 48' I will have a couple of guy rings and tied down for stability but you shouldn't need that. Good Luck with your project.
Ed Dawson

5298. 20m Hamstick Dipole

Yahoo group: ham-antennas (2008)
Date: 2008-07-11 12:23:23 UTC
From: Doug
Topic: 5298 Message: 5298

I have a hamstick dipole setup and was trying to use it for field day. It is fed with 50' RG58 connected directly to a FT100. I am using a 25' telescopic paint pole for a mast. My issue is: I was unable to use this setup due to the fact that the FT100 continuously displayed SWR when transmitting. Reception was terrific. My concern is that the dipole mounting bracket is connected directly to the paint pole which is aluminum. Does this affect the grounding and thus the SWR of the dipole? I couldn't even use my tuner to get this working.

Any ideas on my swr issue? I have heard these are a compromise which I agree with, but I also understood it that the SWR would be 2.0 or less?

Thoughts?

73!
KB8M

5299. RE: [ham-antennas] New Ham

Yahoo group: ham-antennas (2008)
Date: 2008-07-11 13:31:03 UTC
From: Kirk Morrison
Topic: 5287 Message: 5299

Thanks, Marie was a Ham and she would have wanted me to reply. Her call was KI4VFZ.

Kirk

_____
> To: ham-antennas@yahoogroups.com
> From: jojo@...
> Date: Thu, 10 Jul 2008 21:21:42 -0700
> Subject: Re: [ham-antennas] New Ham
>
>
> Kirk's reply, typifies the spirit of ham radio. Short sentences but lots of nuggets. We're very blessed for that short but very enlightening response. Thanks a lot Kirk.
>
> 73,
>
> jojo
>
> Roberto "Jojo" Vicencio USN(Retired)
> (DW1OLV)
> Mobile +639178501759
> VOIP +1-616-928-1134
> http://www.vicencio.net
> http://www.dw1olv.multiply.com
>
> ----- Original Message ----
> From: Kirk Morrison
> To: ham-antennas@yahoogroups.com
> Sent: Friday, July 11, 2008 11:49:50 AM
> Subject: RE: [ham-antennas] New Ham
>
> Well, I will do my best, but if I am not clear, let me know, I am having a bit of a rough time right now my beloved wife passed on on June 26 2008, so I am having a bit of trouble phrasing things right, please forgive me.
>
> Well for your first HF a good choice would be an off center fed dipole and with a 4:1 and a 1:1 switchable balun you might not even need a tuner with luck. You do know a tuner doesn't tune the antenna it just tunes the mismatch so the transmitter sees a 50 ohm load or there about.
>
> Well the other choice would be a 102 ft doublet, feed with good quality twin lead, this will work fairly well from 80 to 6 and best from 80 to 10.
>
> Place either facing mostly E/W and slightly N/S and you should be able to work a lot of DX.
>

> multi band dipoles are nice but can be tricky to tune, and normally G5RVs are good but I find the doublet works as well if not better.
>
> Whatever you use you will make contacts and the higher the better if you are interested in DX. Heck I have worked across town on a light bulb filament and with a tuner and 5 watts or so out on 80 CW when I was a kid. I had a guy comeback to me when I was tuning up my old Xtal controlled transmitter.
>
> Kirk KA4PXK
> _____ _____ _____ __
>> To: ham-antennas@ yahoogroups.
>> From: condor_454@hotmail. com
>> Date: Fri, 11 Jul 2008 03:33:20 +0000
>> Subject: [ham-antennas] New Ham
>>
>>
>> I am a new ham and looking for advice on antenns that I can build. I
>> will be getting my general ticket as soon as I can. I was in 11 meter
>> for 32 years and decided to move on to better things. Now I am very
>> interested in ham radio. I made many contacts during feild day and had
>> a blast sure beats 11 meters. Well I guess all I need to know is how to
>> make antennas. I made a 2 meter jpole that works great out of tv
>> antenna wire. I need to learn more about making antennas. Hope someone
>> can help me out Thanks Dave KB3RIP
>>
>>
>>
>
> _____ _____ _____ _____ _____ _____ _
> Need to know now? Get instant answers with Windows Live Messenger.
> http://www.windowsl ive.com/messenge r/connect_ your_way. html?ocid= TXT_TAGLM_
WL_messenger_ 072008
>
> [Non-text portions of this message have been removed]
>
>
>

_____
It’s a talkathon – but it’s not just talk.
http://www.imtalkathon.com/?source=EML_WLH_Talkathon_JustTalk

5300. Re: [ham-antennas] Installing Vertical - Mast in Concrete - making Sure its Plumb

Yahoo group: ham-antennas (2008)
Date: 2008-07-11 14:38:32 UTC
From: Leonard K. Pennock
Topic: 5263 Message: 5300

It will. As soon as the Cardinals win the super bowel. ;)

Barry Hoffman wrote:
> It doesn't freeze during the winter in Glendale, AZ (That is where Mark, the guy you responded to, lives).
>
> 73
> K7BLH
>

--
Leonard K. Pennock
AD7AS

Those who walk bravely through life, unafraid of loss or failure,
find that they very rarely lose or fail.

5301. Re: [ham-antennas] Installing Vertical - Mast in Concrete - making Sure its Plumb

Yahoo group: ham-antennas (2008)
Date: 2008-07-11 14:50:36 UTC
From: Chris
Topic: 5263 Message: 5301

If you haven't already done this, for my ground mounted vertical, I sleeved PVC pipe into the base that I poured. This lets me easily lift out the vertical to take it down if I need to.

I simply stuck a piece of PVC in the hole and poured the cement around it.

I checked it with a level after I poured it and checked it a few times again for the first hour or so as the concrete began to set up.

Because it is sleeved, the vertical wobbles a bit in the sleeve, which is simply fixed by my guys, they do the final truing for me and it is a heck of a lot more stable even with just the two opposing guys I have on it now.

On Wed, Jul 9, 2008 at 10:09 PM, jsternmd <jsternmd@...> wrote:
> Hi Group,
>
> Installing my first 43' vertical and will place the 4-5' mast into a
> sonic tube then pour concrete. Since only a small length of the mast
> is above ground before concrete sets, what is the easiest method to
> make sure that the mast pipe is 100% vertical (Plumb) since only about
> 1 foot will be sticking out? I can imagine that even the smallest
> amount of the buried 4 feet of mast pipe being ever slightly off-plumb
> will lead to a tilted vertical. Any "easy" methods greatly appreciated.
>
> 73 Jerry
> K1JOS
>
>
> ---
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 974 members (as of 11/07/07, and attachments are NOT permitted.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
>

5302. Re: [ham-antennas] Installing Vertical - Mast in Concrete - making Sure its Plumb

Yahoo group: ham-antennas (2008)
Date: 2008-07-11 14:51:15 UTC
From: Chris
Topic: 5263 Message: 5302

If you haven't already done this, for my ground mounted vertical, I sleeved PVC pipe into the base that I poured. This lets me easily lift out the vertical to take it down if I need to.

I simply stuck a piece of PVC in the hole and poured the cement around it.

I checked it with a level after I poured it and checked it a few times again for the first hour or so as the concrete began to set up.

Because it is sleeved, the vertical wobbles a bit in the sleeve, which is simply fixed by my guys, they do the final truing for me and it is a heck of a lot more stable even with just the two opposing guys I have on it now.

On Wed, Jul 9, 2008 at 10:09 PM, jsternmd <jsternmd@...> wrote:
> Hi Group,
>
> Installing my first 43' vertical and will place the 4-5' mast into a
> sonic tube then pour concrete. Since only a small length of the mast
> is above ground before concrete sets, what is the easiest method to
> make sure that the mast pipe is 100% vertical (Plumb) since only about
> 1 foot will be sticking out? I can imagine that even the smallest
> amount of the buried 4 feet of mast pipe being ever slightly off-plumb
> will lead to a tilted vertical. Any "easy" methods greatly appreciated.
>
> 73 Jerry
> K1JOS
>

5303. Re: [ham-antennas] 20m Hamstick Dipole

Yahoo group: ham-antennas (2008)
Date: 2008-07-11 14:59:57 UTC
From: Leonard K. Pennock
Topic: 5298 Message: 5303

If one side of the antenna is connected to the mast via the bracket I would believe the aluminum mast would cause a large imbalance and high SWR.

Doug wrote:
> I have a hamstick dipole setup and was trying to use it for field day.
> It is fed with 50' RG58 connected directly to a FT100. I am using a
> 25' telescopic paint pole for a mast. My issue is: I was unable to use
> this setup due to the fact that the FT100 continuously displayed SWR
> when transmitting. Reception was terrific. My concern is that the
> dipole mounting bracket is connected directly to the paint pole which
> is aluminum. Does this affect the grounding and thus the SWR of the
> dipole? I couldn't even use my tuner to get this working.
>
> Any ideas on my swr issue? I have heard these are a compromise which I
> agree with, but I also understood it that the SWR would be 2.0 or less?
>
> Thoughts?
>
> 73!
> KB8M
>

--
Leonard K. Pennock
AD7AS

Those who walk bravely through life, unafraid of loss or failure,
find that they very rarely lose or fail.

5304. Re: [ham-antennas] 20m Hamstick Dipole

Yahoo group: ham-antennas (2008)
Date: 2008-07-11 15:13:25 UTC
From: Gary
Topic: 5298 Message: 5304

Try a choke balun at the feed point
Gary W4GNS

If one side of the antenna is connected to the mast via the bracket I would believe the aluminum mast would cause a large imbalance and high SWR.

Doug wrote:
> I have a hamstick dipole setup and was trying to use it for field day.
> It is fed with 50' RG58 connected directly to a FT100. I am using a
> 25' telescopic paint pole for a mast. My issue is: I was unable to use
> this setup due to the fact that the FT100 continuously displayed SWR
> when transmitting. Reception was terrific. My concern is that the
> dipole mounting bracket is connected directly to the paint pole which
> is aluminum. Does this affect the grounding and thus the SWR of the
> dipole? I couldn't even use my tuner to get this working.
>
> Any ideas on my swr issue? I have heard these are a compromise which I
> agree with, but I also understood it that the SWR would be 2.0 or less?
>
> Thoughts?
>
> 73!
> KB8M
>

--
Leonard K. Pennock
AD7AS

Those who walk bravely through life, unafraid of loss or failure,
find that they very rarely lose or fail.

[Non-text portions of this message have been removed]

5305. Re: bent aluminum antenna parts

Yahoo group: ham-antennas (2008)
Date: 2008-07-11 15:16:13 UTC
From: Don
Topic: 5281 Message: 5305

Hi Dave,

Actually I do have some experience in straightening
bent aluminum antenna tubing.
I had a 20 meter beam go down at field day a bunch of years ago,
and many elements were also just bent.
Figured I had nothing to loose, so I looked around for something to
use to straighten them. I ended up using the crotch in a tree.
I put the tube in the tree with the last straight section in the
crotch just at the bend and tried to move it opposite to the bend.
The darn thing started to straighten up. So I worked it a little at a
time until it was nearly back to straight again. The tube was quite
useable. Don't put too much pressure on it. Just enough to get it to
move a little then let up and try again till that part is straight.

Commercial tube straightners use a complex set of rollers set at
different angles to make tubing straight. The tube spins or turns as
it goes throught them. I have seen then in action, but do not
understand the process.

Good luck with it. Hope you can straighten them out.

73
Don, NN8B

--- In ham-antennas@yahoogroups.com, Dave <w8qwdave@...> wrote:
>
>
> Dear Group:
>
> I have a couple of 2 element 40 meter beams that I am trying to
convert to a 30 meter, 3 element beam and some of the smaller
diameter aluminum rod is bent, not crimped, just bent. Anyone have
any experience in straightening aluminum tubing, without crimping?
>
> Thanks in advance.
>
> Dave, W8QW
>
> _____
> PeoplePC Online
> A better way to Internet
> http://www.peoplepc.com
>

5306. Re: [ham-antennas] 5BTV vertical

Yahoo group: ham-antennas (2008)
Date: 2008-07-11 15:19:24 UTC
From: k9ttt@comcast.net
Topic: 5270 Message: 5306

Hi Kurt;
My number is 517.783.4761, is you are in the area. Even if I am not home you are welcome to take a peek. My info on qrz is correct. I do not even own a vhf rig, I am a DX'er and contester so all the $$ go into hf equipment, AND I am erecting my first tower in over 35 years of hamming. Lot more $$ in a tower than one would expect. (ie concrete, new hardware, etc, etc.)
Hope you do well, contact if you have questions.
Dale K9TTT
Jackson, MI

[Non-text portions of this message have been removed]

5307. Re: [ham-antennas] New Ham

Yahoo group: ham-antennas (2008)
Date: 2008-07-11 15:31:21 UTC
From: M. Blaise
Topic: 5287 Message: 5307

Nice tilt over Rich! I would love to have one just like that at my new QTH. Is it a kit or did you make it yourself? Could you give me the plans on how to make one like this? You can email me off list of you would like?

Thanks,
Mike -- KC2TOH

----- Original Message -----
From: Rich Schmuke
To: ham-antennas@yahoogroups.com
Sent: Friday, July 11, 2008 7:55 AM
Subject: RE: [ham-antennas] New Ham

Glad to have you on the air Dave , welcome aboard. Keep reading about antennas , building is a fun part of ham radio. Go to you next hamfest and pick up old antenna book, the formulas for things don't change so information on a dipole is the same in a 15 yr old book for $4 as it is in a new book for $44.

Here is a link to a little information , http://www.kc7hxc.us/links/radio/antennas.html . When you have memorized all of it try , http://www.ac6v.com/antprojects.htm. On getting on HF just cut a dipole to get on the air. Single band dipole are cheap and easy, no tuner or other parts needed. Then for maximum reach around the world a set of180 ft tower and stacked beams are great but we all cant afford that. In between those refer to the links I listed. I cant climb so I made my own tilt overs. Check out my tilt over in the picture section. Keep asking questions , you will get many answers. Keep the ones you like and put the others in your garden, they will help your plants grow.

KD0ZZ , Rich

I am not getting older but having a propagation problem with the neurons in the grey matter.

Any errors in spelling or facts are tramsmission errors

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of David
Sent: Thursday, July 10, 2008 10:33 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] New Ham

I am a new ham and looking for advice on antenns that I can build. I will be getting my general ticket as soon as I can. I was in 11 meter for 32 years and decided to move on to better things. Now I am very interested in ham radio. I made many contacts during feild day and had

a blast sure beats 11 meters. Well I guess all I need to know is how to make antennas. I made a 2 meter jpole that works great out of tv antenna wire. I need to learn more about making antennas. Hope someone can help me out Thanks Dave KB3RIP

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

5308. Re: [ham-antennas] 5BTV vertical

Yahoo group: ham-antennas (2008)
Date: 2008-07-11 16:25:41 UTC
From: Traveler
Topic: 5270 Message: 5308

Thanks Dale, don't be surprised if you get a call. I do not enter property unless the homeowner is home. Neighbors and Police might not understand.

Enjoy the tower when it is up. Used one for years before I was drafted at my parents(both hams and sk's now). Right now I live on a small city lot with 2 power lines(mine and neighbors going across it, so no room for a tower, and I am very careful where the vertical is going.

73 and have a great weekend
Kurt

--- On Fri, 7/11/08, k9ttt@... <k9ttt@comcast.net> wrote:

From: k9ttt@... <k9ttt@...>
Subject: Re: [ham-antennas] 5BTV vertical
To: ham-antennas@yahoogroups.com
Date: Friday, July 11, 2008, 11:19 AM

Hi Kurt;
My number is 517.783.4761, is you are in the area. Even if I am not home you are welcome to take a peek. My info on qrz is correct. I do not even own a vhf rig, I am a DX'er and contester so all the $$ go into hf equipment, AND I am erecting my first tower in over 35 years of hamming. Lot more $$ in a tower than one would expect. (ie concrete, new hardware, etc, etc.)
Hope you do well, contact if you have questions.
Dale K9TTT
Jackson, MI

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

5309. Re: Installing Vertical - Mast in Concrete - making Sure its Plumb

Yahoo group: ham-antennas (2008)
Date: 2008-07-11 16:31:09 UTC
From: Brian Hall
Topic: 5263 Message: 5309

To remove the "slop" between the PVC pipe and the antenna mast to
keep it from wobbling, pour some fine sand between the two.

Brian AC7NA

--- In ham-antennas@yahoogroups.com, Chris <kingsqueak@...> wrote:
>
> If you haven't already done this, for my ground mounted vertical, I
> sleeved PVC pipe into the base that I poured. This lets me easily
> lift out the vertical to take it down if I need to.
>
> I simply stuck a piece of PVC in the hole and poured the cement
around it.
>
> I checked it with a level after I poured it and checked it a few
times
> again for the first hour or so as the concrete began to set up.
>
> Because it is sleeved, the vertical wobbles a bit in the sleeve,
which
> is simply fixed by my guys, they do the final truing for me and it
is
> a heck of a lot more stable even with just the two opposing guys I
> have on it now.
>
> On Wed, Jul 9, 2008 at 10:09 PM, jsternmd <jsternmd@...> wrote:
> > Hi Group,
> >
> > Installing my first 43' vertical and will place the 4-5' mast
into a
> > sonic tube then pour concrete. Since only a small length of the
mast
> > is above ground before concrete sets, what is the easiest method
to
> > make sure that the mast pipe is 100% vertical (Plumb) since only
about
> > 1 foot will be sticking out? I can imagine that even the smallest
> > amount of the buried 4 feet of mast pipe being ever slightly off-
plumb
> > will lead to a tilted vertical. Any "easy" methods greatly
appreciated.
> >
> > 73 Jerry
> > K1JOS
> >

>

5310. Re: 20m Hamstick Dipole

Yahoo group: ham-antennas (2008)
Date: 2008-07-11 17:42:21 UTC
From: Doug
Topic: 5298 Message: 5310

Yeah, that's my thinking. Just wanted some verification. I'm going to put the mount on a piece of pvc to insulate from the mast and see what happens...

Thanks!

--- In ham-antennas@yahoogroups.com, "Leonard K. Pennock" <leonardpennock@...> wrote:
>
> If one side of the antenna is connected to the mast via the bracket I
> would believe the aluminum mast would cause a large imbalance and high
> SWR.
>
> Doug wrote:
> > I have a hamstick dipole setup and was trying to use it for field day.
> > It is fed with 50' RG58 connected directly to a FT100. I am using a
> > 25' telescopic paint pole for a mast. My issue is: I was unable to use
> > this setup due to the fact that the FT100 continuously displayed SWR
> > when transmitting. Reception was terrific. My concern is that the
> > dipole mounting bracket is connected directly to the paint pole which
> > is aluminum. Does this affect the grounding and thus the SWR of the
> > dipole? I couldn't even use my tuner to get this working.
> >
> > Any ideas on my swr issue? I have heard these are a compromise which I
> > agree with, but I also understood it that the SWR would be 2.0 or less?
> >
> > Thoughts?
> >
> > 73!
> > KB8M
> >
>
> --
> Leonard K. Pennock

> AD7AS
>
> Those who walk bravely through life, unafraid of loss or failure,
> find that they very rarely lose or fail.
>

5311. Re: [ham-antennas] Best Antennas for Use in a Valley

Yahoo group: ham-antennas (2008)
Date: 2008-07-11 20:55:13 UTC
From: Wayne
Topic: 5224 Message: 5311

Sometimes the signal comes from a dirction that you might not think of.
Japan and Europe could come over the north polar region, which would be a
northerly direction rather than an easterly or westerly direction.
Even Australia could possibly come in from a southerly or northerly
direction. All depends on how the signal hops. It is often a multi hop,
bouncing off the ionosphere.
Signals do not always come from the direction you'd normally assume they
would...
One gets some strange bounces at times.
in the early 70's, we had a Florida TV station come in and take over
channel 7 out of Buffalo NY, and this was in Rochester NY. Antennas were
aimed mainly west.
Some people used to spend hour after hour trying for such hops.

For normal purposes, it is another matter...
YMMV

Wayne WA2YNE

On Wed, 02 Jul 2008 20:07:49 -0500, ash_lee52 <ashton.lee@...>
wrote:

> I live in the bottom of a mountain valley, surrounded on the east and
> west by mountains rising between 1,000 and 3,000 feet above the
> valley. To both the east and west these mountains rise between 15 and
> 20 degrees from what would be a normal flat horizon.
>
> I'm searching for the best antenna for DX from this location. I know
> that most DX signals arrive at under 8%... which means I have a
> definite theoretical problem. On the other hand I have worked Europe,
> Japan and Australia from this location, so I know I can get some
> east/west propagation. My best antenna so far is a Buckmaster Off-
> Center-Fed-Dipole with legs of 90 and 45 feet, set as an inverted V.
> I've had some success with a 20-meter Half Square, Hustler 6BTV, a
> Sigma 5 and a rotating dipole as well.
>
> But I still hear much less than I did from my previous location... so
> I know I don't have an optimum set-up. I can't put in a tower, so
> Yagis are probably out of the question.
>
> Does anybody have any wisdom on what works best from a valley bottom?
> Do I want an antenna that maxes its signal in the 20-25 degree range.
> Or will the signals from a lower focused antenna travel up the
> mountain sides?
>
> WW0AL

> Ash
>
> All thoughts and experiences welcome.
>

--
Using Opera's revolutionary e-mail client: http://www.opera.com/mail/

5312. RE: [ham-antennas] New Ham

Yahoo group: ham-antennas (2008)
Date: 2008-07-11 21:46:31 UTC
From: Rich Schmuke
Topic: 5287 Message: 5312

I have no plans but I will send you information, I have been out all day, so it will be over the weekend when I send it.

Plans for building something like this are for the mentally inhibited, I do mine all by SWAG (scientific wild ass guess) . I made up a rough print before for some one. I will find it and send it.

Rich , Kd0zz

As an act of plagiarism . Disclaimer: Any errors in spelling or facts are transmission errors.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of M. Blaise
Sent: Friday, July 11, 2008 10:31 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] New Ham

Nice tilt over Rich! I would love to have one just like that at my new QTH. Is it a kit or did you make it yourself? Could you give me the plans on how to make one like this? You can email me off list of you would like?

Thanks,
Mike -- KC2TOH

----- Original Message -----
From: Rich Schmuke
To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
Sent: Friday, July 11, 2008 7:55 AM
Subject: RE: [ham-antennas] New Ham

Glad to have you on the air Dave , welcome aboard. Keep reading about antennas , building is a fun part of ham radio. Go to you next hamfest and pick up old antenna book, the formulas for things don't change so information on a dipole is the same in a 15 yr old book for $4 as it is in a new book for $44.

Here is a link to a little information , http://www.kc7hxc.us/links/radio/antennas.html . When you have memorized all of it try , http://www.ac6v.com/antprojects.htm. On getting on HF just cut a dipole to get on the air. Single band dipole are cheap and easy, no tuner or other parts needed. Then for maximum reach around the world a set of180 ft tower and stacked beams are great but we all cant afford that. In between those refer to the links I listed. I cant climb so I made my own tilt overs. Check out my tilt over in the picture section. Keep asking questions , you will get many answers. Keep the ones you like and put the others in your garden, they will help your plants grow.

KD0ZZ , Rich

I am not getting older but having a propagation problem with the neurons in the grey matter.

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From: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
[mailto:ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
] On
Behalf Of David
Sent: Thursday, July 10, 2008 10:33 PM
To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
Subject: [ham-antennas] New Ham

I am a new ham and looking for advice on antenns that I can build. I will be getting my general ticket as soon as I can. I was in 11 meter for 32 years and decided to move on to better things. Now I am very interested in ham radio. I made many contacts during feild day and had a blast sure beats 11 meters. Well I guess all I need to know is how to make antennas. I made a 2 meter jpole that works great out of tv antenna wire. I need to learn more about making antennas. Hope someone can help me out Thanks Dave KB3RIP

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

5313. New loop antenna design

Yahoo group: ham-antennas (2008)
Date: 2008-07-12 00:47:10 UTC
From: Tom
Topic: 5313 Message: 5313

Hi loop antenna fans,

Please see my 80 through 10 meter loop
antenna design at:
http://ph.groups.yahoo.com/group/ham-antennas/photos/view/f4ef?b=9

Cheers.

Tom
KE6YNH, 73
San Diego, CA

[Non-text portions of this message have been removed]

5314. RE: [ham-antennas] New loop antenna design

Yahoo group: ham-antennas (2008)
Date: 2008-07-12 02:57:43 UTC
From: James M.(Jim) Geidl
Topic: 5313 Message: 5314

Tom,

Can you tell us a little bit about the physical setup? How high it is? How are you keeping the loops separated: maybe you're not? How do you support it?

Thanks,

Jim, K6JMG
//

> [mailto:ham-antennas@yahoogroups.com] On Behalf Of Tom
> Sent: Friday, July 11, 2008 5:47 PM
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] New loop antenna design
>
> Hi loop antenna fans,
>
> Please see my 80 through 10 meter loop
> antenna design at:
> http://ph.groups.yahoo.com/group/ham-antennas/photos/view/f4ef?b=9
>
> Cheers.
>
> Tom
> KE6YNH, 73
> San Diego, CA

5315. Telescopic Tower Plans

Yahoo group: ham-antennas (2008)
Date: 2008-07-12 03:30:06 UTC
From: DEAN
Topic: 5315 Message: 5315

Hey Group,

does anyone out there haveany plans they are willing to share for homebrew telescopic tower or know where i would be able to find some the height is not and issue as i will just adjust the specs to suit myself

thanks folks

5316. Re: [ham-antennas] New loop antenna design

Yahoo group: ham-antennas (2008)
Date: 2008-07-12 04:14:29 UTC
From: Phil Bader
Topic: 5313 Message: 5316

And your 1:1 balun, I guess is in front of your transmatch,describe it plse.
Phil B
Philip Bader
Polk County School Board
Intercom & Fire Alarm Electronics Systems Tech
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakelandarc.org/
pbader@...

----- Original Message -----
From: James M.(Jim) Geidl
To: ham-antennas@yahoogroups.com
Sent: Friday, July 11, 2008 10:57 PM
Subject: RE: [ham-antennas] New loop antenna design

Tom,

Can you tell us a little bit about the physical setup? How high it is? How are you keeping the loops separated: maybe you're not? How do you support it?

Thanks,

Jim, K6JMG
//

> [mailto:ham-antennas@yahoogroups.com] On Behalf Of Tom
> Sent: Friday, July 11, 2008 5:47 PM
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] New loop antenna design
>
> Hi loop antenna fans,
>
> Please see my 80 through 10 meter loop
> antenna design at:
> http://ph.groups.yahoo.com/group/ham-antennas/photos/view/f4ef?b=9
>
> Cheers.
>
> Tom
> KE6YNH, 73
> San Diego, CA

No virus found in this incoming message.
Checked by AVG - http://www.avg.com

Version: 8.0.138 / Virus Database: 270.4.7/1546 - Release Date: 7/11/2008 6:47 AM

No virus found in this outgoing message.
Checked by AVG - http://www.avg.com
Version: 8.0.138 / Virus Database: 270.4.8/1547 - Release Date: 7/11/2008 6:05 PM

[Non-text portions of this message have been removed]

5317. Re: [ham-antennas] New loop antenna design

Yahoo group: ham-antennas (2008)
Date: 2008-07-12 09:29:38 UTC
From: Tom
Topic: 5313 Message: 5317

Hi Jim, K6JMG and the Group,

The 3 turn loop is only a design.

I have never built it. Perhaps you or anyone
in the Group who would like a compact, 80 through 10
meter loop would like to build it.

I run a similar, single turn loop, shown at:
http://ph.groups.yahoo.com/group/ham-antennas/photos/view/f4ef?b=2

It has given me good results on 80 through 10 meters, but is not as compact
as the 3 turn design.

The tuner in the 1 turn loop is an ATR-30 made by MFJ. It has a 1:1 current
balun on the output of the tuner. The balun coil is wound around three, 2.5"
toroids and runs cool.

Best DX contact so far has been ZL3SV(New Zealand) on 75 meters.
ZL3SV uses a 1500' center fed sloper.

Best regards.

Tom
KE6YNH, 73
San Diego, CA

----- Original Message -----
From: James M.(Jim) Geidl
To: ham-antennas@yahoogroups.com
Sent: Friday, July 11, 2008 7:57 PM
Subject: RE: [ham-antennas] New loop antenna design

Tom,

Can you tell us a little bit about the physical setup? How high it is? How
are you keeping the loops separated: maybe you're not? How do you support
it?

Thanks,

Jim, K6JMG
//

> [mailto:ham-antennas@yahoogroups.com] On Behalf Of Tom
> Sent: Friday, July 11, 2008 5:47 PM
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] New loop antenna design

>
> Hi loop antenna fans,
>
> Please see my 80 through 10 meter loop
> antenna design at:
> http://ph.groups.yahoo.com/group/ham-antennas/photos/view/f4ef?b=9
>
> Cheers.
>
> Tom
> KE6YNH, 73
> San Diego, CA

[Non-text portions of this message have been removed]

5318. RE: [ham-antennas] Telescopic Tower Plans

Yahoo group: ham-antennas (2008)
Date: 2008-07-12 12:27:05 UTC
From: Rich Schmuke
Topic: 5315 Message: 5318

This is not my plan but a link I had.

http://www.iol.ie/~bravo/Crank-up%20Tilt-over%20Tower.htm

KD0ZZ , Rich

I am not getting older but having a propagation problem with the neurons in the grey matter.

Any errors in spelling or facts are tramsmission errors

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of DEAN
Sent: Friday, July 11, 2008 10:30 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Telescopic Tower Plans

Hey Group,

does anyone out there haveany plans they are willing to share for homebrew telescopic tower or know where i would be able to find some the height is not and issue as i will just adjust the specs to suit myself

thanks folks

[Non-text portions of this message have been removed]

5319. Re: bent aluminum antenna parts

Yahoo group: ham-antennas (2008)
Date: 2008-07-12 15:22:20 UTC
From: Keith
Topic: 5281 Message: 5319

Dave

It depends on what type of bend it is as to how you go about straightening it.
One of the most difficult to straighten is the long curved bow that runs almost full length of the piece.
The best way I've found to straiten them is on the bed mattress.
Lay it bow up and spread both hands across as much of the length as you can and press downward. Do it a little at a time on the high point and with a little time and diligence you can get it pretty straight.
I once straightened a bowed 1/2" 0.058 wall piece like this and it was straight enough to telescope a 3/8" OD inside the full length of the 1/2" piece.

Keith

--- In ham-antennas@yahoogroups.com, Dave <w8qwdave@...> wrote:
>
>
> Dear Group:
>
> I have a couple of 2 element 40 meter beams that I am trying to convert to a 30 meter, 3 element beam and some of the smaller diameter aluminum rod is bent, not crimped, just bent. Anyone have any experience in straightening aluminum tubing, without crimping?
>
> Thanks in advance.
>
> Dave, W8QW
>
> _____
> PeoplePC Online
> A better way to Internet
> http://www.peoplepc.com
>

5320. backpacking antenna

Yahoo group: ham-antennas (2008)
Date: 2008-07-12 18:42:17 UTC
From: Russell
Topic: 5320 Message: 5320

Hi all
well Ive booked my CN holiday for next year and looking for a true backpacking hf antenna 80-10 if possible will have LDG Z100 atu, max 100w, this year I took a a basic 20m dipole and 8m fishing pole with cross

http://uk.ph.groups.yahoo.com/group/pmtdxgroup/photos/view/e4c4?b=8

was ok, could have done with better propagation but thats the same for everyone, but need/want to have something with better coverage. weight and size is very important, Im fully aware size matters ;)but something like a Diamond BB6W (visualy just what is needed)... this is the sort of thing for both size and coverage.any good though ?????? checked eham.....other wise a good old G5RV is light compact, I have a CW80s for trips away with poles/mast etc. But as title states BACKPACKING, psu atu radio clothes etc all in 1 rucksack and hand lugage. any thoughts ?????
regards
Russell CN2XW to be

5321. Antenna switching relays

Yahoo group: ham-antennas (2008)
Date: 2008-07-12 19:28:29 UTC
From: Mel Farrer
Topic: 5321 Message: 5321

Hello,

I am looking for several open frame antenna switching relays for ladder line fed wire antennas. So contacts need to be a couple inches apart, and DPDT. We used to see a lot on surplus, but that was during another life, hi. I've done searches on the web without any real success. Anyone got any sources, manufacturers?? Thanks,

Mel K6KBE

5322. sorry

Yahoo group: ham-antennas (2008)
Date: 2008-07-12 20:27:05 UTC
From: David
Topic: 5322 Message: 5322

Kirk I am sorry to hear about your wife I could never imagine what you are going going through. My blessings and prayers go out to you and your family. Thanks for the information. It's nice to see a lot of people who care about other people and are willing to help. I am glad I am a ham. Thanks Dave KB3RIP

5323. RE: [ham-antennas] Antenna switching relays

Yahoo group: ham-antennas (2008)
Date: 2008-07-12 20:34:38 UTC
From: James M.(Jim) Geidl
Topic: 5321 Message: 5323

Mel,

Don't know if this helps any or not, but, I am switching with pretty much standard OTC 12VDC relays and not having any problems. If you take a look at the relays inside your average full power tuner you'll see they are not using anything spectacular.

Jim, K6JMG

//
> [mailto:ham-antennas@yahoogroups.com] On Behalf Of Mel Farrer
> Sent: Saturday, July 12, 2008 12:28 PM
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] Antenna switching relays
>
> Hello,
>
> I am looking for several open frame antenna switching relays
> for ladder line fed wire antennas. So contacts need to be a
> couple inches apart, and DPDT. We used to see a lot on
> surplus, but that was during another life, hi. I've done
> searches on the web without any real success. Anyone got any
> sources, manufacturers?? Thanks,
>
> Mel K6KBE

5324. RE: [ham-antennas] sorry Off topic

Yahoo group: ham-antennas (2008)
Date: 2008-07-12 20:40:24 UTC
From: Kirk Morrison
Topic: 5322 Message: 5324

Thank you for your kind words, and prayers, I not going to make it to Mass this weekend I am still to shook to drive, I am sure God understands(no offense or preaching to others just stating how I feel) but Marie would have wanted me to help and new ham and I wasn't sure how clear my advice would be so I wanted all to understand why. Marie loved her ticket and she loved the closeness of the ham community, I am glad I was able to be understood and to help some one, it also was a few minutes distraction while doing it. She was a horse trainer and riding instructor by profession and only 50, I am 52 so it was quite a shock.

Glad to have you as a ham and gud dx to es sk

73

Kirk

> To: ham-antennas@yahoogroups.com
> From: condor_454@...
> Date: Sat, 12 Jul 2008 20:27:05 +0000
> Subject: [ham-antennas] sorry
>
>
> Kirk I am sorry to hear about your wife I could never imagine what you
> are going going through. My blessings and prayers go out to you and
> your family. Thanks for the information. It's nice to see a lot of
> people who care about other people and are willing to help. I am glad I
> am a ham. Thanks Dave KB3RIP
>
>
>

Use video conversation to talk face-to-face with Windows Live Messenger.
http://www.windowslive.com/messenger/connect_your_way.html?ocid=TXT_TAGLM_WL_Refresh_messenger_video_072008

5325. RE: [ham-antennas] sorry Off topic

Yahoo group: ham-antennas (2008)
Date: 2008-07-12 20:58:35 UTC
From: Marty Bluhm
Topic: 5322 Message: 5325

Kirk, I've never met you or talk to u, but I identify with you. I lost my wife (KC6JOF) last Nov to cancer. I know what you are going through (I'm still recovering). My prayers and thoughts are with you. Hang in there, it will be better. It may take a while; but you'll be ok.
73
Marty
W8AKS

-----Original Message-----
From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]On Behalf Of Kirk Morrison
Sent: Saturday, July 12, 2008 20,40
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] sorry Off topic

Thank you for your kind words, and prayers, I not going to make it to Mass this weekend I am still to shook to drive, I am sure God understands(no offense or preaching to others just stating how I feel) but Marie would have wanted me to help and new ham and I wasn't sure how clear my advice would be so I wanted all to understand why. Marie loved her ticket and she loved the closeness of the ham community, I am glad I was able to be understood and to help some one, it also was a few minutes distraction while doing it. She was a horse trainer and riding instructor by profession and only 50, I am 52 so it was quite a shock.

Glad to have you as a ham and gud dx to es sk

73

Kirk

> To: ham-antennas@yahoogroups.com
> From: condor_454@...
> Date: Sat, 12 Jul 2008 20:27:05 +0000
> Subject: [ham-antennas] sorry
>
>
> Kirk I am sorry to hear about your wife I could never imagine what you
> are going going through. My blessings and prayers go out to you and
> your family. Thanks for the information. It's nice to see a lot of
> people who care about other people and are willing to help. I am glad I
> am a ham. Thanks Dave KB3RIP
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>
>

_____
Use video conversation to talk face-to-face with Windows Live Messenger.
http://www.windowslive.com/messenger/connect_your_way.html?ocid=TXT_TAGLM_
WL_Refresh_messenger_video_072008

[Non-text portions of this message have been removed]

5326. RE: [ham-antennas] sorry Off topic

Yahoo group: ham-antennas (2008)
Date: 2008-07-12 21:12:58 UTC
From: Kirk Morrison
Topic: 5322 Message: 5326

As I found out two weeks ago yesterday, it is hard to believe it will get better, sudden coronary death with absolutely not warnings signs is such a shock, but it really helps to hear from some one who unfortunately has been here, Thank you and you will be in my prayers and thoughts. Btw when I do get back on the air I normally hunt the low in of 20 SSB and the low area of 40 SSB if you hear me give me a shout.

73

Kirk

> To: ham-antennas@yahoogroups.com
> From: w8aks55@...
> Date: Sat, 12 Jul 2008 20:58:35 +0000
> Subject: RE: [ham-antennas] sorry Off topic
>
>
> Kirk, I've never met you or talk to u, but I identify with you. I lost my
> wife (KC6JOF) last Nov to cancer. I know what you are going through (I'm
> still recovering). My prayers and thoughts are with you. Hang in there, it
> will be better. It may take a while; but you'll be ok.
> 73
> Marty
> W8AKS
>
> -----Original Message-----
> From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]On
> Behalf Of Kirk Morrison
> Sent: Saturday, July 12, 2008 20,40
> To: ham-antennas@...m
> Subject: RE: [ham-antennas] sorry Off topic
>
> Thank you for your kind words, and prayers, I not going to make it to Mass
> this weekend I am still to shook to drive, I am sure God understands(no
> offense or preaching to others just stating how I feel) but Marie would have
> wanted me to help and new ham and I wasn't sure how clear my advice would be
> so I wanted all to understand why. Marie loved her ticket and she loved the
> closeness of the ham community, I am glad I was able to be understood and to
> help some one, it also was a few minutes distraction while doing it. She was
> a horse trainer and riding instructor by profession and only 50, I am 52 so
> it was quite a shock.
>
> Glad to have you as a ham and gud dx to es sk
>
> 73
>

> Kirk
>
> _____
>> To: ham-antennas@yahoogroups.com
>> From: condor_454@...
>> Date: Sat, 12 Jul 2008 20:27:05 +0000
>> Subject: [ham-antennas] sorry
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> WL_Refresh_messenger_video_072008
>
> [Non-text portions of this message have been removed]
>
>
>

_____
The i’m Talkaton. Can 30-days of conversation change the world?
http://www.imtalkathon.com/?source=EML_WLH_Talkathon_ChangeWorld

5327. Re: [ham-antennas] sorry Off topic

Yahoo group: ham-antennas (2008)
Date: 2008-07-12 21:56:04 UTC
From: Phil Bader
Topic: 5322 Message: 5327

I'm 52 also- we never always know what tomorrow brings...Kinda puts life's other "problems" into real perspective. The nice part of ham radio as a life interest is you can involve yourself a lightly or heavily as you want to at the time. Then go full throddle when you're ready. We'll all be here, Kirk. Thanks for your experience added to this list.
Phil B
Philip Bader
Polk County School Board
Intercom & Fire Alarm Electronics Systems Tech
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakelandarc.org/
pbader@...

----- Original Message -----
From: Kirk Morrison
To: ham-antennas@yahoogroups.com
Sent: Saturday, July 12, 2008 4:40 PM
Subject: RE: [ham-antennas] sorry Off topic

Thank you for your kind words, and prayers, I not going to make it to Mass this weekend I am still to shook to drive, I am sure God understands(no offense or preaching to others just stating how I feel) but Marie would have wanted me to help and new ham and I wasn't sure how clear my advice would be so I wanted all to understand why. Marie loved her ticket and she loved the closeness of the ham community, I am glad I was able to be understood and to help some one, it also was a few minutes distraction while doing it. She was a horse trainer and riding instructor by profession and only 50, I am 52 so it was quite a shock.

Glad to have you as a ham and gud dx to es sk

73

Kirk

> To: ham-antennas@yahoogroups.com
> From: condor_454@...
> Date: Sat, 12 Jul 2008 20:27:05 +0000
> Subject: [ham-antennas] sorry
>
>
> Kirk I am sorry to hear about your wife I could never imagine what you
> are going going through. My blessings and prayers go out to you and
> your family. Thanks for the information. It's nice to see a lot of
> people who care about other people and are willing to help. I am glad I
> am a ham. Thanks Dave KB3RIP

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Version: 8.0.138 / Virus Database: 270.4.9/1548 - Release Date: 7/12/2008 7:40 AM

[Non-text portions of this message have been removed]

5328. RE: [ham-antennas] Antenna switching relays

Yahoo group: ham-antennas (2008)
Date: 2008-07-12 23:00:46 UTC
From: Mel Farrer
Topic: 5321 Message: 5328

Thanks, but I have problems with arc over on some of the smaller relays and am using the Magnecraft W199AX-14 relays and replace the wire leads with solder wick, (yes, its sounds funny, but it works great and is very flexible). Just the $20+ each is a little pricey. Yes, I am also frugal. Hi.

Mel

--- On Sat, 7/12/08, James M.(Jim) Geidl <jgeidl@sbcglobal.net> wrote:
From: James M.(Jim) Geidl <jgeidl@...>
Subject: RE: [ham-antennas] Antenna switching relays
To: ham-antennas@yahoogroups.com
Date: Saturday, July 12, 2008, 1:34 PM

Mel,

Don't know if this helps any or not, but, I am switching with pretty much

standard OTC 12VDC relays and not having any problems. If you take a look

at the relays inside your average full power tuner you'll see they are not

using anything spectacular.

Jim, K6JMG

//

> [mailto:ham-antennas@ yahoogroups. com] On Behalf Of Mel Farrer

> Sent: Saturday, July 12, 2008 12:28 PM

> To: ham-antennas@ yahoogroups. com

> Subject: [ham-antennas] Antenna switching relays

>

> Hello,

>

> I am looking for several open frame antenna switching relays

> for ladder line fed wire antennas. So contacts need to be a

> couple inches apart, and DPDT. We used to see a lot on

> surplus, but that was during another life, hi. I've done

> searches on the web without any real success. Anyone got any

> sources, manufacturers? ? Thanks,

>

> Mel K6KBE

[Non-text portions of this message have been removed]

5329. Re: [ham-antennas] sorry Off topic

Yahoo group: ham-antennas (2008)
Date: 2008-07-12 23:29:41 UTC
From: MAXXOUT2@AOL.COM
Topic: 5322 Message: 5329

Hi Kirk,
I like every one else know what your going through.
I lost my Daughter in 87.
She went to work and was never seen again.
Not knowing what happened makes me think of things I really don't like to think about.
My Prayers go out to you and soon the burden will be lifted.
GOD BLESS
BOB
AF2Q<><

In a message dated 7/12/2008 3:56:21 PM Mountain Daylight Time, PBADER@... writes:

Thank you for your kind words, and prayers, I not going to make it to Mass this weekend I am still to shook to drive, I am sure God understands(no offense or preaching to others just stating how I feel) but Marie would have wanted me to help and new ham and I wasn't sure how clear my advice would be so I wanted all to understand why. Marie loved her ticket and she loved the closeness of the ham community, I am glad I was able to be understood and to help some one, it also was a few minutes distraction while doing it. She was a horse trainer and riding instructor by profession and only 50, I am 52 so it was quite a shock.

Glad to have you as a ham and gud dx to es sk

73

Kirk

**********Get the scoop on last night's hottest shows and the live music scene in your area - Check out TourTracker.com!
(http://www.tourtracker.com?NCID=aolmus00050000000112)

[Non-text portions of this message have been removed]

5330. Re: [ham-antennas] Antenna switching relays

Yahoo group: ham-antennas (2008)
Date: 2008-07-12 23:37:37 UTC
From: Phil Bader
Topic: 5321 Message: 5330

Also inside the relay cube, note how the wires are run from relay contacts to the base,as the wire may be coiled,looped,etc and affect tuning,add inductance,etc. I like the solder braid use as well!
Phil B
Philip Bader
Polk County School Board
Intercom & Fire Alarm Electronics Systems Tech
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakelandarc.org/
pbader@...

----- Original Message -----
From: Mel Farrer
To: ham-antennas@yahoogroups.com
Sent: Saturday, July 12, 2008 7:00 PM
Subject: RE: [ham-antennas] Antenna switching relays

Thanks, but I have problems with arc over on some of the smaller relays and am using the Magnecraft W199AX-14 relays and replace the wire leads with solder wick, (yes, its sounds funny, but it works great and is very flexible). Just the $20+ each is a little pricey. Yes, I am also frugal. Hi.

Mel

--- On Sat, 7/12/08, James M.(Jim) Geidl <jgeidl@...> wrote:
From: James M.(Jim) Geidl <jgeidl@...>
Subject: RE: [ham-antennas] Antenna switching relays
To: ham-antennas@yahoogroups.com
Date: Saturday, July 12, 2008, 1:34 PM

Mel,

Don't know if this helps any or not, but, I am switching with pretty much

standard OTC 12VDC relays and not having any problems. If you take a look

at the relays inside your average full power tuner you'll see they are not

using anything spectacular.

Jim, K6JMG

//

> [mailto:ham-antennas@ yahoogroups. com] On Behalf Of Mel Farrer

> Sent: Saturday, July 12, 2008 12:28 PM

> To: ham-antennas@ yahoogroups. com

> Subject: [ham-antennas] Antenna switching relays

>

> Hello,

>

> I am looking for several open frame antenna switching relays

> for ladder line fed wire antennas. So contacts need to be a

> couple inches apart, and DPDT. We used to see a lot on

> surplus, but that was during another life, hi. I've done

> searches on the web without any real success. Anyone got any

> sources, manufacturers? ? Thanks,

>

> Mel K6KBE

[Non-text portions of this message have been removed]

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Checked by AVG - http://www.avg.com
Version: 8.0.138 / Virus Database: 270.4.9/1548 - Release Date: 7/12/2008 7:40 AM

[Non-text portions of this message have been removed]

5331. RE: [ham-antennas] Antenna switching relays

Yahoo group: ham-antennas (2008)
Date: 2008-07-13 00:54:30 UTC
From: James M.(Jim) Geidl
Topic: 5321 Message: 5331

I guess I'm just not sophisticated enough to worry about the amount of tuning or matching change I will get. I will let you know how this thing comes out in the finished product. I intend to tune without the switching unit in place and then put it in place and see what amount of retuning is necessary. I can also monitor the power as well. Of course my purpose may be entirely different than yours. I want to be able to switch multiple antennas to single balun to save the cost of buying multiple baluns.

Jim, K6JMG
//

> [mailto:ham-antennas@yahoogroups.com] On Behalf Of Phil Bader
> Sent: Saturday, July 12, 2008 4:38 PM
> To: ham-antennas@yahoogroups.com
> Subject: Re: [ham-antennas] Antenna switching relays
>
> Also inside the relay cube, note how the wires are run from
> relay contacts to the base,as the wire may be
> coiled,looped,etc and affect tuning,add inductance,etc. I
> like the solder braid use as well!
> Phil B
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> KI4NUC, Winter Haven, Fl.
> Member: Lakeland Amateur Radio Club
> http://www.lakelandarc.org/
> pbader@...
>
> ----- Original Message -----
> From: Mel Farrer
> To: ham-antennas@yahoogroups.com
> Sent: Saturday, July 12, 2008 7:00 PM
> Subject: RE: [ham-antennas] Antenna switching relays
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> Thanks, but I have problems with arc over on some of the
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> --- On Sat, 7/12/08, James M.(Jim) Geidl
> <jgeidl@...> wrote:
> From: James M.(Jim) Geidl <jgeidl@...>
> Subject: RE: [ham-antennas] Antenna switching relays
> To: ham-antennas@yahoogroups.com
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> Mel,
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> see they are not
>
> using anything spectacular.
>
> Jim, K6JMG
>
> //
>
> > [mailto:ham-antennas@ yahoogroups. com] On Behalf Of Mel Farrer
>
> > Sent: Saturday, July 12, 2008 12:28 PM
>
> > To: ham-antennas@ yahoogroups. com
>
> > Subject: [ham-antennas] Antenna switching relays
>
> >
>
> > Hello,
>
> >
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> > I am looking for several open frame antenna switching relays
>
> > for ladder line fed wire antennas. So contacts need to be a
>
> > couple inches apart, and DPDT. We used to see a lot on
>
> > surplus, but that was during another life, hi. I've done
>
> > searches on the web without any real success. Anyone got any
>
> > sources, manufacturers? ? Thanks,
>

> >
>
> > Mel K6KBE

5332. Re: [ham-antennas] Antenna switching relays

Yahoo group: ham-antennas (2008)
Date: 2008-07-13 12:37:17 UTC
From: Phil Bader
Topic: 5321 Message: 5332

One saving grace is we're working with "HF" not VHF or UHF.
Phil B
Philip Bader
Polk County School Board
Intercom & Fire Alarm Electronics Systems Tech
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakelandarc.org/
pbader@...

----- Original Message -----
From: James M.(Jim) Geidl
To: ham-antennas@yahoogroups.com
Sent: Saturday, July 12, 2008 8:54 PM
Subject: RE: [ham-antennas] Antenna switching relays

I guess I'm just not sophisticated enough to worry about the amount of tuning or matching change I will get. I will let you know how this thing comes out in the finished product. I intend to tune without the switching unit in place and then put it in place and see what amount of retuning is necessary. I can also monitor the power as well. Of course my purpose may be entirely different than yours. I want to be able to switch multiple antennas to single balun to save the cost of buying multiple baluns.

Jim, K6JMG
//

> [mailto:ham-antennas@yahoogroups.com] On Behalf Of Phil Bader
> Sent: Saturday, July 12, 2008 4:38 PM
> To: ham-antennas@yahoogroups.com
> Subject: Re: [ham-antennas] Antenna switching relays
>
> Also inside the relay cube, note how the wires are run from
> relay contacts to the base,as the wire may be
> coiled,looped,etc and affect tuning,add inductance,etc. I
> like the solder braid use as well!
> Phil B
> Philip Bader
> Polk County School Board
> Intercom & Fire Alarm Electronics Systems Tech
> Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006 Amateur call:
> KI4NUC, Winter Haven, Fl.
> Member: Lakeland Amateur Radio Club
> http://www.lakelandarc.org/
> pbader@...

>
> ----- Original Message -----
> From: Mel Farrer
> To: ham-antennas@yahoogroups.com
> Sent: Saturday, July 12, 2008 7:00 PM
> Subject: RE: [ham-antennas] Antenna switching relays
>
>
> Thanks, but I have problems with arc over on some of the
> smaller relays and am using the Magnecraft W199AX-14 relays
> and replace the wire leads with solder wick, (yes, its sounds
> funny, but it works great and is very flexible). Just the
> $20+ each is a little pricey. Yes, I am also frugal. Hi.
>
> Mel
>
> --- On Sat, 7/12/08, James M.(Jim) Geidl
> <jgeidl@...> wrote:
> From: James M.(Jim) Geidl <jgeidl@...>
> Subject: RE: [ham-antennas] Antenna switching relays
> To: ham-antennas@yahoogroups.com
> Date: Saturday, July 12, 2008, 1:34 PM
>
> Mel,
>
> Don't know if this helps any or not, but, I am switching
> with pretty much
>
> standard OTC 12VDC relays and not having any problems. If
> you take a look
>
> at the relays inside your average full power tuner you'll
> see they are not
>
> using anything spectacular.
>
> Jim, K6JMG
>
> //
>
> > [mailto:ham-antennas@ yahoogroups. com] On Behalf Of Mel Farrer
>
> > Sent: Saturday, July 12, 2008 12:28 PM
>
> > To: ham-antennas@ yahoogroups. com
>
> > Subject: [ham-antennas] Antenna switching relays
>
> >
>

> > Hello,
>
> >
>
> > I am looking for several open frame antenna switching relays
>
> > for ladder line fed wire antennas. So contacts need to be a
>
> > couple inches apart, and DPDT. We used to see a lot on
>
> > surplus, but that was during another life, hi. I've done
>
> > searches on the web without any real success. Anyone got any
>
> > sources, manufacturers? ? Thanks,
>
> >
>
> > Mel K6KBE

No virus found in this incoming message.
Checked by AVG - http://www.avg.com
Version: 8.0.138 / Virus Database: 270.4.10/1549 - Release Date: 7/12/2008 4:31 PM

No virus found in this outgoing message.
Checked by AVG - http://www.avg.com
Version: 8.0.138 / Virus Database: 270.4.10/1549 - Release Date: 7/12/2008 4:31 PM

[Non-text portions of this message have been removed]

5333. Re: Best Antennas for Use in a Valley

Yahoo group: ham-antennas (2008)
Date: 2008-07-13 22:41:04 UTC
From: Chris Moore
Topic: 5224 Message: 5333

Hi wayne I have not read all posts but has anybody told you about the G5IJ antenna. I use one and its tops....

Try these they work very well...

http://myweb.tiscali.co.uk/wwshack/Misc/G5IJ_aerial.htm

http://www.gairney.plus.com/Radio/G5IJ%20aerial.pdf

Hope this helps the twin feeder can be shortened or lenghtened as you wish but best to try keep in multis

M3XLG

5334. Mosley 67

Yahoo group: ham-antennas (2008)
Date: 2008-07-13 23:44:58 UTC
From: Gary
Topic: 5334 Message: 5334

I am look for a copy of a manual for mosley 67b I have a mosley 67a I would like to see the code sheet for the model b.

And If any one a a eznex file for the mosley 67b or a. I have made a file for Eznex but it is not taper or the source is not right can anyone help on this request...

WW8O Gary

5335. Re: sorry Off topic

Yahoo group: ham-antennas (2008)
Date: 2008-07-14 03:11:36 UTC
From: Ralph G. Rogers
Topic: 5322 Message: 5335

Keith,

I do not know what you are going through personally but like some others I do have a clue as some years ago my wife passed away in a bad auto wreck while I was sitting right next to her there were no last words. I have recovered physically but I have never completely got past it and I believe I never will but it has become a little less painful with time.

God Bless .

Respectfully Yours,

Ralph, KE5VBN, Dallas, Texas

[Non-text portions of this message have been removed]

5336. Re: [ham-antennas] Re: sorry Off topic

Yahoo group: ham-antennas (2008)
Date: 2008-07-14 03:35:18 UTC
From: Commander John
Topic: 5322 Message: 5336

Hi
There is a yahoo group simular to this one called griefshare It is for people who are widows and widowers only. People going thru the difficult times when their spouse passes. My wife Barbara chose on Christmas eve to have her venterlator removed rather than have a tube placed down her throat. She died on December 27,2007, just 2 months shy of 50.
You will find grief groups by that name in your local area and they help a lot. There are many others sponsered by many different groups. I hope that this helps a little.

john w9zy

~~~~~~~~~~~~~~~~~~~~~~ w9zy

"Ralph G. Rogers" <ralphgeraldrogers@...> wrote:
Keith,

I do not know what you are going through personally but like some others I do have a clue as some years ago my wife passed away in a bad auto wreck while I was sitting right next to her there were no last words. I have recovered physically but I have never completely got past it and I believe I never will but it has become a little less painful with time.

God Bless .

Respectfully Yours,

Ralph, KE5VBN, Dallas, Texas

[Non-text portions of this message have been removed]

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 974 members (as of 11/07/07, and attachments are NOT permitted.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

[Non-text portions of this message have been removed]
~~~~~~~~~~~~~~~~~~~~~~

5337. Antenna Tuning Problems

Yahoo group: ham-antennas (2008)
Date: 2008-07-14 04:04:16 UTC
From: adkscan
Topic: 5337 Message: 5337

Is there any reason why a TS-2000 would all of the sudden not tune a G5RV on 20M when it usually tunes on 20M with no problem?

I have the TS-2000 with 25' of RG-8/U running to a G5RV mounted in a slightly inverted V at about 35ft above ground along a line of pine trees.

I can tune every other band like I usually do except for 20M. With the TS-2000s internal tuner I can tune 160M, 80M, 40M, 30M, 17M, 15M, and 12M. For some reason sometimes I can tune 10M and 6M also.

I have never had a problem tuning 20M until today. The only contributing factor that I can think of is the weather. We have had about 2" of rain in the last 24 hours. Could the wet wires touching the wet pine needles cause problems with SWR on 20M only?

Any help would be appreciated

Thanks,
Mike -- KC2TOH

5338. RE: [ham-antennas] Re: sorry Off topic

Yahoo group: ham-antennas (2008)
Date: 2008-07-14 04:17:27 UTC
From: Kirk Morrison
Topic: 5322 Message: 5338

Thanks, and sharing your story with me helped a bit also, I will look into grief share. I live so far out in the country my priest and friends are looking at starting one for people like me, but there are no existing groups close. I will look into I didn't mean to get a thread started, I mentioned what had happened in a response to a question and people wrote back, I was so upset I didn't know if I made sense so I explained why. Your kind response and advice has helped at least I don't feel so a lone and if no one can understand how much it hurts and how bad I miss her. I hope that the tranq I am taking that my doc prescribed will help in a few also.

Kirk KA4PXK

> To: ham-antennas@yahoogroups.com
> CC: hamradio_w9zy-2@...
> From: crazytvjohn@...
> Date: Sun, 13 Jul 2008 20:35:18 -0700
> Subject: Re: [ham-antennas] Re: sorry Off topic
>
>
> Hi
> There is a yahoo group simular to this one called griefshare It is for people who are widows and widowers only. People going thru the difficult times when their spouse passes. My wife Barbara chose on Christmas eve to have her venterlator removed rather than have a tube placed down her throat. She died on December 27,2007, just 2 months shy of 50.
> You will find grief groups by that name in your local area and they help a lot. There are many others sponsered by many different groups. I hope that this helps a little.
>
> john w9zy
>
> ~~~~~~~~~~~~~~~~~~~~~~ w9zy
>
>
>
> "Ralph G. Rogers" wrote:
> Keith,
>
> I do not know what you are going through personally but like some others I do have a clue as some years ago my wife passed away in a bad auto wreck while I was sitting right next to her there were no last words. I have recovered physically but I have never completely got past it and I believe I never will but it has become a little less painful with time.
>
> God Bless .
>
>
> Respectfully Yours,
>

> Ralph, KE5VBN, Dallas, Texas
>
> [Non-text portions of this message have been removed]
>
> ----------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 974 members (as of 11/07/07, and attachments are NOT permitted.
> Post message: ham-antennas@yahoogroups.com
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> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
> [Non-text portions of this message have been removed]
>
>
>

_____
It’s a talkathon – but it’s not just talk.
http://www.imtalkathon.com/?source=EML_WLH_Talkathon_JustTalk

5339. Re: Antenna Tuning Problems

Yahoo group: ham-antennas (2008)
Date: 2008-07-14 14:48:10 UTC
From: adkscan
Topic: 5337 Message: 5339

Well I don't think it is the TS-2000 now. The sun is out this morning and all the pine trees and the antenna is dried off. And what do you know, the G5RV now tunes on 20M! So I guess it was the rain interaction between the G5RV and the pine trees. Everything seems to be working fine now. I guess I have to try to get the G5RV away from the pine trees, which will be almost impossible.

Mike -- KC2TOH

--- In ham-antennas@yahoogroups.com, "adkscan" <mblaise@...> wrote:
>
> Is there any reason why a TS-2000 would all of the sudden not tune
a
> G5RV on 20M when it usually tunes on 20M with no problem?
>
> I have the TS-2000 with 25' of RG-8/U running to a G5RV mounted in
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> slightly inverted V at about 35ft above ground along a line of pine
> trees.
>
> I can tune every other band like I usually do except for 20M. With
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> TS-2000s internal tuner I can tune 160M, 80M, 40M, 30M, 17M, 15M,
and
> 12M. For some reason sometimes I can tune 10M and 6M also.
>
> I have never had a problem tuning 20M until today. The only
> contributing factor that I can think of is the weather. We have
had
> about 2" of rain in the last 24 hours. Could the wet wires
touching
> the wet pine needles cause problems with SWR on 20M only?
>
> Any help would be appreciated
>
> Thanks,
> Mike -- KC2TOH
>

5340. Re: [ham-antennas] Re: Antenna Tuning Problems

Yahoo group: ham-antennas (2008)
Date: 2008-07-14 15:07:00 UTC
From: MAXXOUT2@AOL.COM
Topic: 5337 Message: 5340

Mike,
Water on the 300 or 450 line really affects the antenna
Since it's non sheilded and full of RF I'd say that was your problem
BOB
AF2Q

In a message dated 7/14/2008 8:48:38 AM Mountain Daylight Time,
mblaise@... writes:

Well I don't think it is the TS-2000 now. The sun is out this morning
and all the pine trees and the antenna is dried off. And what do you
know, the G5RV now tunes on 20M! So I guess it was the rain
interaction between the G5RV and the pine trees. Everything seems to
be working fine now. I guess I have to try to get the G5RV away from
the pine trees, which will be almost impossible.

Mike -- KC2TOH

**********Get the scoop on last night's hottest shows and the live music
scene in your area - Check out TourTracker.com!
(http://www.tourtracker.com?NCID=aolmus00050000000112)

[Non-text portions of this message have been removed]

5341. [ham-antennas] Mobile antenna question

Yahoo group: ham-antennas (2008)
Date: 2008-07-14 15:46:42 UTC
From: J. Harrell
Topic: 5341 Message: 5341

Hello, I have been looking at ham sticks for some time now. I have a question. I have 2 four foot fiberglass rods that are wound with wire currently for the 11 meter band, would it be possible to unwind the wire that is currently on the fiberglass rod and rewind one of the rods for the 80 meter band and the other for the 40 meter band? I don't know how much wire to wind on the rod to make it work on these bands? With the ham stick antennas are they based on 1\4 wavelength? Any instructions on making your own laying around? Also would anyone know where I can buy a complete set of ham sticks for all the bands, that way I could just pick the band and screw on the correct stick and go for my mobile? Also any one used the OPEK HVT-400 multiband antenna? I was looking at one of these to use for portable ops as well as on my mobile.

Thanks,
Joey

[Non-text portions of this message have been removed]

5342. thru the glass mobile antenna

Yahoo group: ham-antennas (2008)
Date: 2008-07-14 15:51:15 UTC
From: Bill Coulson
Topic: 5341 Message: 5342

I have been using the a thru the glass type mobile antenna for some time now and was wondering what the connector box in side does and what is the screw in the middle of the box for. Does it hurt anything to turn it.
Also who is the manufacturer

[Non-text portions of this message have been removed]

5343. Re: [ham-antennas] thru the glass mobile antenna

Yahoo group: ham-antennas (2008)
Date: 2008-07-14 16:02:50 UTC
From: Leonard K. Pennock
Topic: 5341 Message: 5343

The box provides a match and capacitive coupling through the glass to the antenna. The screw is for adjusting the coupling to get a minimum SWR. You need a SWR meter or antenna analyzer to adjust it.

There are a few different manufactures. Larsen is one as is Radio Shack.

Bill Coulson wrote:
> I have been using the a thru the glass type mobile antenna for some time now and was wondering what the connector box in side does and what is the screw in the middle of the box for. Does it hurt anything to turn it.
> Also who is the manufacturer
>
>

--
Leonard K. Pennock
AD7AS

Those who walk bravely through life, unafraid of loss or failure,
find that they very rarely lose or fail.

5344. Re: [ham-antennas] Mobile antenna question

Yahoo group: ham-antennas (2008)
Date: 2008-07-14 15:10:47 UTC
From: KE7JSL@tmo.blackberry.net
Topic: 5341 Message: 5344

>would it be possible to unwind the wire
that is currently on the fiberglass rod and rewind one of the rods for the
80 meter

Hi Joey,

The direct answer is yes. Is it worth it? Not in my opinion. By the time you buy the wire, rewind the rod, solder the end, getting the coil winding right, etc. As far as buying all the hamsticks any ham store should sell them. Universal Radio or Ham Radio Outlet is just two. One note all bands can run you over $200.00.

John
KE7JSL
Sent via BlackBerry from T-Mobile

5345. Re: [ham-antennas] Re: Antenna Tuning Problems

Yahoo group: ham-antennas (2008)
Date: 2008-07-14 16:15:58 UTC
From: Traveler
Topic: 5337 Message: 5345

Mike I have the same problem or did until I move my G5RV on 40 meters. Seemed it didn't like the morning dew, once it warmed up and dried out, worked fine.
73
Kurt
K8YZK

--- On Mon, 7/14/08, adkscan <mblaise@...> wrote:

From: adkscan <mblaise@...>
Subject: [ham-antennas] Re: Antenna Tuning Problems
To: ham-antennas@yahoogroups.com
Date: Monday, July 14, 2008, 10:48 AM

Well I don't think it is the TS-2000 now. The sun is out this morning and all the pine trees and the antenna is dried off. And what do you know, the G5RV now tunes on 20M! So I guess it was the rain interaction between the G5RV and the pine trees. Everything seems to be working fine now. I guess I have to try to get the G5RV away from the pine trees, which will be almost impossible.

Mike -- KC2TOH

--- In ham-antennas@ yahoogroups. com, "adkscan" <mblaise@... > wrote:
>
> Is there any reason why a TS-2000 would all of the sudden not tune
a
> G5RV on 20M when it usually tunes on 20M with no problem?
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> TS-2000s internal tuner I can tune 160M, 80M, 40M, 30M, 17M, 15M,
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> 12M. For some reason sometimes I can tune 10M and 6M also.
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> I have never had a problem tuning 20M until today. The only
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> about 2" of rain in the last 24 hours. Could the wet wires
touching
> the wet pine needles cause problems with SWR on 20M only?
>

> Any help would be appreciated
>
> Thanks,
> Mike -- KC2TOH
>

[Non-text portions of this message have been removed]

5346. Re: [ham-antennas] Mobile antenna question

Yahoo group: ham-antennas (2008)
Date: 2008-07-14 16:33:38 UTC
From: Leonard K. Pennock
Topic: 5341 Message: 5346

You could rewind them but the hard part is figuring out the winding you need. There is a set of plans on the net to rewind a fiberglass CB antenna into a outbacker style (HVT-400B) multiband antenna; however, I don't have the link to send you.

Universal radio use to sell a set of 5 hamstick but looking at their site it appears to be discontinued. Personally I would recommend just getting a couple and be done with it for now. 75/40/20 is all I carry anymore as at this point in the sun spot cycle above 20 is dead most of the time.

You may want to look at the Quick disconnect sets for your antenna. Cheapham sells the OPEK KD-5 set which allows you to quickly switch antennas with a 1/4 turn of the antenna.

J. Harrell wrote:
> Hello, I have been looking at ham sticks for some time now. I have a
> question. I have 2 four foot fiberglass rods that are wound with wire
> currently for the 11 meter band, would it be possible to unwind the wire
> that is currently on the fiberglass rod and rewind one of the rods for the
> 80 meter band and the other for the 40 meter band? I don't know how much
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> antennas are they based on 1\4 wavelength? Any instructions on making your
> own laying around? Also would anyone know where I can buy a complete set of
> ham sticks for all the bands, that way I could just pick the band and screw
> on the correct stick and go for my mobile? Also any one used the OPEK
> HVT-400 multiband antenna? I was looking at one of these to use for portable
> ops as well as on my mobile.
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> Thanks,
> Joey
>
>
>
> [Non-text portions of this message have been removed]
>
>
> ------------------------------------
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> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links

>
>
>
--
Leonard K. Pennock
AD7AS

Those who walk bravely through life, unafraid of loss or failure,
find that they very rarely lose or fail.

5347. Re: [ham-antennas] Mobile antenna question

Yahoo group: ham-antennas (2008)
Date: 2008-07-14 16:53:17 UTC
From: Leonard K. Pennock
Topic: 5341 Message: 5347

Found a link. <www.dxzone.com/cgi-bin/dir/jump2.cgi?ID=10335>

Leonard K. Pennock wrote:
> You could rewind them but the hard part is figuring out the winding you
> need. There is a set of plans on the net to rewind a fiberglass CB
> antenna into a outbacker style (HVT-400B) multiband antenna; however, I
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find that they very rarely lose or fail.

5348. RE: [ham-antennas] Re: Antenna Tuning Problems

Yahoo group: ham-antennas (2008)
Date: 2008-07-14 16:57:37 UTC
From: Kirk Morrison
Topic: 5337 Message: 5348

If you don't have the problem due to a tree branch at just the right point wash your ladder line off and it will often solve that trouble a lot of the crud that builds up on ladder line over time is conductive and causes unbalanced feed and capacitive and inductance problems, I was mine off about once every 6 months on my ladder line antennas.

Kirk KA4PXK

> To: ham-antennas@yahoogroups.com
> From: sgttutt2001@yahoo.com
> Date: Mon, 14 Jul 2008 09:15:58 -0700
> Subject: Re: [ham-antennas] Re: Antenna Tuning Problems
>
>
> Mike I have the same problem or did until I move my G5RV on 40 meters. Seemed it didn't like the morning dew, once it warmed up and dried out, worked fine.
> 73
> Kurt
> K8YZK
>
> --- On Mon, 7/14/08, adkscan wrote:
>
> From: adkscan
> Subject: [ham-antennas] Re: Antenna Tuning Problems
> To: ham-antennas@yahoogroups.com
> Date: Monday, July 14, 2008, 10:48 AM
>
> Well I don't think it is the TS-2000 now. The sun is out this morning
> and all the pine trees and the antenna is dried off. And what do you
> know, the G5RV now tunes on 20M! So I guess it was the rain
> interaction between the G5RV and the pine trees. Everything seems to
> be working fine now. I guess I have to try to get the G5RV away from
> the pine trees, which will be almost impossible.
>
> Mike -- KC2TOH
>
> --- In ham-antennas@ yahoogroups. com, "adkscan" wrote:
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>> the wet pine needles cause problems with SWR on 20M only?
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>> Any help would be appreciated
>>
>> Thanks,
>> Mike -- KC2TOH
>>
>
> [Non-text portions of this message have been removed]
>
>
>

_____
The i’m Talkaton. Can 30-days of conversation change the world?
http://www.imtalkathon.com/?source=EML_WLH_Talkathon_ChangeWorld

5349. Re: [ham-antennas] Re: Antenna Tuning Problems

Yahoo group: ham-antennas (2008)
Date: 2008-07-14 17:05:37 UTC
From: Commander John
Topic: 5337 Message: 5349

I suggest you lower the antenna near the tree and inspect the wire for spots that would be burned black. If using uninsulated wire look more closely.
john w9zy

~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ w9zy

[Non-text portions of this message have been removed]
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~

5350. Re: [ham-antennas] Mobile antenna question

Yahoo group: ham-antennas (2008)
Date: 2008-07-14 17:58:30 UTC
From: Ruben Echevarria
Topic: 5341 Message: 5350

You can find hamstick type antennas on Ebay for about $15.00 each
 Ruben Echevarria KA2HHB
SKCC #2132 EPC#3390
10-10 International Club #33308

----- Original Message ----
From: Leonard K. Pennock <leonardpennock@...>
To: ham-antennas@yahoogroups.com
Sent: Monday, July 14, 2008 12:33:38 PM
Subject: Re: [ham-antennas] Mobile antenna question

You could rewind them but the hard part is figuring out the winding you need. There is a set of plans on the net to rewind a fiberglass CB antenna into a outbacker style (HVT-400B) multiband antenna; however, I don't have the link to send you.

Universal radio use to sell a set of 5 hamstick but looking at their site it appears to be discontinued. Personally I would recommend just getting a couple and be done with it for now. 75/40/20 is all I carry anymore as at this point in the sun spot cycle above 20 is dead most of the time.

You may want to look at the Quick disconnect sets for your antenna. Cheapham sells the OPEK KD-5 set which allows you to quickly switch antennas with a 1/4 turn of the antenna.

J. Harrell wrote:
> Hello, I have been looking at ham sticks for some time now. I have a
> question. I have 2 four foot fiberglass rods that are wound with wire
> currently for the 11 meter band, would it be possible to unwind the wire
> that is currently on the fiberglass rod and rewind one of the rods for the
> 80 meter band and the other for the 40 meter band? I don't know how much
> wire to wind on the rod to make it work on these bands? With the ham stick
> antennas are they based on 1\4 wavelength? Any instructions on making your
> own laying around? Also would anyone know where I can buy a complete set of
> ham sticks for all the bands, that way I could just pick the band and screw
> on the correct stick and go for my mobile? Also any one used the OPEK
> HVT-400 multiband antenna? I was looking at one of these to use for portable
> ops as well as on my mobile.
>
> Thanks,
> Joey
>
>
>
> [Non-text portions of this message have been removed]

>
>
> ---------- --------- --------- ------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 974 members (as of 11/07/07, and attachments are NOT permitted.
> Post message: ham-antennas@ yahoogroups. com
> Subscribe: ham-antennas- subscribe@ yahoogroups. com
> Unsubscribe: ham-antennas- unsubscribe@ yahoogroups. com
> List owner: ham-antennas- owner@yahoogroup s.com
> Yahoo! Groups Links
>
>
>
--
Leonard K. Pennock
AD7AS

Those who walk bravely through life, unafraid of loss or failure,
find that they very rarely lose or fail.

[Non-text portions of this message have been removed]

5351. Re: [ham-antennas] Mobile antenna question

Yahoo group: ham-antennas (2008)
Date: 2008-07-14 23:04:27 UTC
From: Phil Bader
Topic: 5341 Message: 5351

I posed this before: Could you just mount a standard 9 foot stainless whip on a ball mount, and feed it with an antenna tuner as a random length? Or better, mount two sort of as a dipole?
Phil B
Philip Bader
Polk County School Board
Intercom & Fire Alarm Electronics Systems Tech
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakelandarc.org/
pbader@...

----- Original Message -----
From: Ruben Echevarria
To: ham-antennas@yahoogroups.com
Sent: Monday, July 14, 2008 1:58 PM
Subject: Re: [ham-antennas] Mobile antenna question

You can find hamstick type antennas on Ebay for about $15.00 each
Ruben Echevarria KA2HHB
SKCC #2132 EPC#3390
10-10 International Club #33308

----- Original Message ----
From: Leonard K. Pennock <leonardpennock@...>
To: ham-antennas@yahoogroups.com
Sent: Monday, July 14, 2008 12:33:38 PM
Subject: Re: [ham-antennas] Mobile antenna question

You could rewind them but the hard part is figuring out the winding you need. There is a set of plans on the net to rewind a fiberglass CB antenna into a outbacker style (HVT-400B) multiband antenna; however, I don't have the link to send you.

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> currently for the 11 meter band, would it be possible to unwind the wire
> that is currently on the fiberglass rod and rewind one of the rods for the
> 80 meter band and the other for the 40 meter band? I don't know how much
> wire to wind on the rod to make it work on these bands? With the ham stick
> antennas are they based on 1\4 wavelength? Any instructions on making your
> own laying around? Also would anyone know where I can buy a complete set of
> ham sticks for all the bands, that way I could just pick the band and screw
> on the correct stick and go for my mobile? Also any one used the OPEK
> HVT-400 multiband antenna? I was looking at one of these to use for portable
> ops as well as on my mobile.
>
> Thanks,
> Joey
>
>
>
> [Non-text portions of this message have been removed]
>
>
> ---------- --------- --------- ------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 974
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> Post message: ham-antennas@ yahoogroups. com
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> Yahoo! Groups Links
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>
>
--
Leonard K. Pennock
AD7AS

Those who walk bravely through life, unafraid of loss or failure,
find that they very rarely lose or fail.

[Non-text portions of this message have been removed]

No virus found in this incoming message.
Checked by AVG - http://www.avg.com
Version: 8.0.138 / Virus Database: 270.4.10/1549 - Release Date: 7/12/2008 4:31 PM

No virus found in this outgoing message.
Checked by AVG - http://www.avg.com
Version: 8.0.138 / Virus Database: 270.4.10/1549 - Release Date: 7/12/2008 4:31 PM

[Non-text portions of this message have been removed]

5352. Re: [ham-antennas] Re: Antenna Tuning Problems

Yahoo group: ham-antennas (2008)
Date: 2008-07-14 23:12:16 UTC
From: Phil Bader
Topic: 5337 Message: 5352

Could you apply some type of maybe automotive wax to the plastic 450 ohm wire? May allow moisture to be repelled.
Phil B
Philip Bader
Polk County School Board
Intercom & Fire Alarm Electronics Systems Tech
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakelandarc.org/
pbader@...

----- Original Message -----
From: Commander John
To: ham-antennas@yahoogroups.com
Sent: Monday, July 14, 2008 1:05 PM
Subject: Re: [ham-antennas] Re: Antenna Tuning Problems

I suggest you lower the antenna near the tree and inspect the wire for spots that would be burned black. If using uninsulated wire look more closely.
john w9zy

~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ w9zy

[Non-text portions of this message have been removed]

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[Non-text portions of this message have been removed]
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5353. Re: [ham-antennas] Re: Antenna Tuning Problems

Yahoo group: ham-antennas (2008)
Date: 2008-07-14 23:46:23 UTC
From: Troy, W6HV
Topic: 5337 Message: 5353

In the past I always applied a good quality (make sure it wont attack the PVC) paste floor wax to commercial "ladder line". Seemed to reduce the affect of moisture.

Now I use homebrew made from insulated house wire and spreaders from plastic coat hangers. No longer have the problem of moisture, wind, etc. Same transmission line has been up 20 or so years.

Troy, W6HV

----- Original Message -----
From: Phil Bader<mailto:PBADER@...>
To: ham-antennas@yahoogroups.com<mailto:ham-antennas@yahoogroups.com>
Sent: Monday, July 14, 2008 4:12 PM
Subject: Re: [ham-antennas] Re: Antenna Tuning Problems

Could you apply some type of maybe automotive wax to the plastic 450 ohm wire? May allow moisture to be repelled.
Phil B
Philip Bader
Polk County School Board
Intercom & Fire Alarm Electronics Systems Tech
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
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pbader@...<mailto:pbader@...>

----- Original Message -----
From: Commander John
To: ham-antennas@yahoogroups.com<mailto:ham-antennas@yahoogroups.com>
Sent: Monday, July 14, 2008 1:05 PM
Subject: Re: [ham-antennas] Re: Antenna Tuning Problems

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john w9zy

~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ w9zy

[Non-text portions of this message have been removed]

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HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 974 members (as of 11/07/07, and attachments are NOT permitted.
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Subscribe:
ham-antennas-subscribe@yahoogroups.com<mailto:ham-antennas-subscribe@yahoogroups.com>
Unsubscribe:
ham-antennas-unsubscribe@yahoogroups.com<mailto:ham-antennas-unsubscribe@yahoogroups.com>
List owner: ham-antennas-owner@yahoogroups.com<mailto:ham-antennas-owner@yahoogroups.com>
Yahoo! Groups Links

[Non-text portions of this message have been removed]

5354. Re: [ham-antennas] Mobile antenna question

Yahoo group: ham-antennas (2008)
Date: 2008-07-15 01:11:16 UTC
From: Earl Needham
Topic: 5341 Message: 5354

Phil Bader wrote:
>
>
> I posed this before: Could you just mount a standard 9 foot stainless
> whip on a ball mount, and feed it with an antenna tuner as a random
> length? Or better, mount two sort of as a dipole?

You can certainly feed a 9' whip with the proper tuner -- something like the Icom AH-4 would work. The tuner needs to be designed for random-wire operation -- a regular built-in tuner like some HF rigs have generally doesn't have a wide enough range of impedance that it can match.

But don't expect a 9-foot whip to work very well at all below about 14 MHz. I've tried it, and they work OK for 6-20 meters, but when you get on 40 meters, they work -- sort of -- but on 60 and 75 meters, forget it. Your signal just isn't going to be strong enough to use. I believe the ERP on 75 meters is on the order of 1 or 2 watts in this case.

As for the dipole idea -- seems I've seen an 18-wheeler somewhere like that, but I don't know how well it worked.

BTW, I'm the new guy on this mailing list.

7 3
Earl

--
KD5XB -- Earl Needham
Clovis, New Mexico DM84jk
http://groups.yahoo.com/group/cw_bugs
Quoting from the Coast Guard: ZUT

5355. Hustler trap woes

Yahoo group: ham-antennas (2008)
Date: 2008-07-15 02:22:06 UTC
From: k9ttt@comcast.net
Topic: 5355 Message: 5355

Ok, I busted it. That out the way....
Looking for a tip rod for an 5-btv 80 meter resonator. (cutting for the middle of the band, so 75 should work). S-model I cut mine to short. That's the short and long of it. :(
Would like to cut for a band with of 3775-3800-3825
Thanks
Dale H. Cole K9TTT
Jackson, MI
k9ttt@...

"Only two things are infinite, the universe and human stupidity, and I'm not sure about the former."

[Non-text portions of this message have been removed]

5356. Re: Hustler trap woes

Yahoo group: ham-antennas (2008)
Date: 2008-07-15 02:52:33 UTC
From: David Lewis
Topic: 5355 Message: 5356

Dale,
I beleive that WB0W has different size whips,that you can replace
it with.
73,David N5SJS
>
> Ok, I busted it. That out the way....
> Looking for a tip rod for an 5-btv 80 meter resonator. (cutting for
the middle of the band, so 75 should work). S-model I cut mine to
short. That's the short and long of it. :(
> Would like to cut for a band with of 3775-3800-3825
> Thanks
> Dale H. Cole K9TTT
> Jackson, MI
> k9ttt@...
>
> "Only two things are infinite, the universe and human stupidity, and
I'm not sure about the former."
>
> [Non-text portions of this message have been removed]
>

5357. HVT-400B

Yahoo group: ham-antennas (2008)
Date: 2008-07-15 03:40:47 UTC
From: DEAN
Topic: 5357 Message: 5357

hi folks, has anyone had any experience with these antennas or got one that they can let me know how it rates.

dean

5358. Re: Mobile antenna question

Yahoo group: ham-antennas (2008)
Date: 2008-07-15 17:54:27 UTC
From: DC
Topic: 5341 Message: 5358

One thing here is any freq. below 40 is generally considered to be very inefficient with ham sticks and most other mobile antennas, they just can't cut it.

73
KD8Z

[Non-text portions of this message have been removed]

5359. Re: [ham-antennas] Re: Mobile antenna question

Yahoo group: ham-antennas (2008)
Date: 2008-07-15 18:07:47 UTC
From: Leonard K. Pennock
Topic: 5341 Message: 5359

They may be inefficient compared to a full size antenna but they still
work. Some just work better than others. My hamsticks work better than
my UHV-6 but not my much.

DC wrote:
> One thing here is any freq. below 40 is generally considered to be very inefficient with
ham sticks and most other mobile antennas, they just can't cut it.
>
> 73
> KD8Z
>

--
Leonard K. Pennock
AD7AS

Those who walk bravely through life, unafraid of loss or failure,
find that they very rarely lose or fail.

5360. Re: Mobile antenna question

Yahoo group: ham-antennas (2008)
Date: 2008-07-15 22:06:32 UTC
From: WebBoy
Topic: 5341 Message: 5360

Hamsticks - You could try Bill Rouch at www.Ham4Less.com . I got a good deal from him when I was making up a bunch of dipoles using Hamsticks.

5361. Re: [ham-antennas] HVT-400B

Yahoo group: ham-antennas (2008)
Date: 2008-07-15 22:53:56 UTC
From: Doug Chlan
Topic: 5357 Message: 5361

Hi Dean, I have two HVT 400's in dipole configuration with a 1:1 balun. Only usning them for SWL right now as I don't have my ticket yet. Below is hyperlink for eHAM reviews for the HVT 400. Hope this helps.
http://www.eham.net/reviews/detail/5633

Cheers!
Doug...
VA30005SWL

Instant Messaging, free SMS, sharing photos and more... Try the new Yahoo! Canada Messenger at http://ca.beta.messenger.yahoo.com/

[Non-text portions of this message have been removed]

5362. RE: [ham-antennas] Re: Mobile antenna question

Yahoo group: ham-antennas (2008)
Date: 2008-07-16 01:18:16 UTC
From: J. Harrell
Topic: 5341 Message: 5362

Thanks for the link, I will try to contact him and go from there. If I decide to go with a set of ham sticks it will be better than nothing, I just don't $400 to invest in a screwdriver antenna at the moment. Im sort of in a money crunch and going through college as well so money is tight and gas prices hasn't helped any.

Thanks,

Joey

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of WebBoy
Sent: Tuesday, July 15, 2008 6:07 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: Mobile antenna question

Hamsticks - You could try Bill Rouch at www.Ham4Less.com . I got a good deal from him when I was making up a bunch of dipoles using Hamsticks.

No virus found in this incoming message.
Checked by AVG - http://www.avg.com
Version: 8.0.138 / Virus Database: 270.4.11/1554 - Release Date: 7/15/2008 6:03 PM

[Non-text portions of this message have been removed]

5363. RE: [ham-antennas] HVT-400B

Yahoo group: ham-antennas (2008)
Date: 2008-07-16 01:18:16 UTC
From: J. Harrell
Topic: 5357 Message: 5363

Anyone here using one of these mobile? I was looking into buying some hamsticks to get me started in HF mobile but then I saw the HVT400 and looks like it might work but I am curious as how well it holds up and performs mobile?

Thanks,

Joey

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Doug Chlan
Sent: Tuesday, July 15, 2008 6:54 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] HVT-400B

Hi Dean, I have two HVT 400's in dipole configuration with a 1:1 balun. Only usning them for SWL right now as I don't have my ticket yet. Below is hyperlink for eHAM reviews for the HVT 400. Hope this helps.
http://www.eham.net/reviews/detail/5633

Cheers!
Doug...
VA30005SWL

Instant Messaging, free SMS, sharing photos and more... Try the new Yahoo! Canada Messenger at http://ca.beta.messenger.yahoo.com/

[Non-text portions of this message have been removed]

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[Non-text portions of this message have been removed]

5364. RE: [ham-antennas] Matching 75ohm to 50ohm

Yahoo group: ham-antennas (2008)
Date: 2008-07-16 20:22:02 UTC
From: Rich Schmuke
Topic: 5053 Message: 5364

I was looking in a ARRL Antenna Book, 15th addition , on section 25 page 17 they have a simple 52ohm to 75 transformer . It was made and tested in the ARRL lab just for what you want. It is a trifilar wind of 14ga on a 200-61 core , tested to 1.5Kw. It look easy with only 6 turns.

Rich , Kd0zz

As an act of plagiarism . Disclaimer: Any errors in spelling or facts are transmission errors.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Rob Thomson
Sent: Tuesday, June 03, 2008 6:41 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Matching 75ohm to 50ohm

Dear Group

I have searched the archives but found no suggestions on this one... does anyone have any ideas for matching 75ohm coax to the 50ohm connection on the transceiver?

As I work in the cable industry, I have a plentiful supply of low-loss 75ohm coax and am using it to feed various dipoles (inherently 75-ohm impedence in any case). I don't seem to be able to find any instructions for a suitable "un-un" (other than single frequency stubs).

Any suggestions welcome.

Regards
Rob, G4LMW

Any suggestions welcome.

[Non-text portions of this message have been removed]

5365. Zenith and Electronics books - last email

Yahoo group: ham-antennas (2008)
Date: 2008-07-17 02:03:11 UTC
From: mitchnozka
Topic: 5365 Message: 5365

Hi all,

I am cleaning house, moving, and I have to get rid of these books.

I am looking to see every book for $1 each, plus shipping.

I can't lower the price anymore or it would just cut into my time (I am getting married, moving, and finding a job). I also have two vintage laptops listed below (see prices).

My list is below. If you have any questions, please feel free to email me at mitchnozka@....

Thanks!

Mitch Nozka
mitchnozka@gmail.com
mitchnozka(at)gmail(dot)com

Tandy 1500HD 25-3506A laptop. It comes with the power cord, user's guide, and Tandy laptop carrying bag.
$35 plus shipping.

Zenith Data systems Z-Noteflex laptop, Model NTB005. No power cord, but it comes with manuals.
$20 plus shipping.

-(qty 1) Advanced Microprocessors - Book 1 - 1987 - EB-8088
-(qty 4) AC Electronics - Student Workbook - 1987 - EB-6102-41
-(qty 2) Computer Servicing Peripherals ☐ one new sealed in plastic, one missing cover
DC Electronics - 1978 - EB-6101 ($5)
-(qty 9) Digital Techniques - Book 2 - 1987 - EB6201-A
-(qty 10) Digital Techniques - Lab Experiments - 1987 - EB-6201-71
-(qty 9) Digital Techniques - Student Workbook - 1987 - EB6201-41 (4 new in plastic)
-(qty 9) Electronic Circuits - Student Workbook - 1986 - EB-6104-41
Electronic Communications - 1983 - EB-6106 ($5)
-(qty 14) Electronic Test Equipment - Book 2 - 1986 - EB-6105
(qty 13) Electronic Test Equipment - Student Workbook - 1986 - EB-6105-40
-(qty 6) Semiconductor Devices - Student Workbook - 1986 - EB6103-41

All About Home Satellite Television - Cook, Vaughan - 1983
Application of Electronics ☐ Grob, Kiver - 1960
Basic Electricity - Bureau of Naval Personnel - 1969 - $10.00
Basic Mathematics for Electricity and Electronics - Bertrand Singer - 1972
Circuit Concepts: Direct and Alternating Current ☐ Kubala - 1976

Computer Shopper Magazine ☐ June 1993
(qty 8) Digital - Systems, Logic and Applications - Adamson - 1989
(qty 1) Electricity-Electronics Fundamentals - Text-Lab Manual - Zbar, Sloop - 1986
Electronic Components Handbook for Circuit Designers - Warring - 1983
(qty 3) Electronics Fundamentals - Circuits, Devices, and Applications - Floyd - 2001
Electronics: Principles and Applications ☐ Schuler - 1999
(qty 15) Experiments in Digital Principles - Leach - 1976
General Electronics Circuits ☐ DeFrance - 1963
Grob Basic Electronics ☐ Grob - 1992
IBM Disk Operating System (DOS) 3.30 Reference Guide in 3-ring binder
I Speak Basic to my Commodore64 - Jones - 1984
(qty 14) Mathematics For Basic Electronics ☐ Grob - 1986
McGraw-Hill Encyclopedia of Electronics and Computers - Parker - 1984
Pascal - Heiserman - 1980
The Personal Computer: Operating, Troubleshooting, and Upgrading - Awwad - 1998
Physical Science Electricity and Magnetism - 1992
The RF Capacitor Handbook - American Technical Ceramics - 1994
(qty 13) Smart House Wiring - Stauffer, Mullin - 1993
(qty 15) Solid-State Electronics - Tedeschi, Taber - 1976
Special Functions Databook - National Semiconductor - 1979
Spotlight on Computer Literacy - Richman - 1982
Structuring Programs in Microsoft Basic - Cox, Sullivan - 1986
(qty 3) Technical Mathematics - Robert Smith - 1996
Telecommunication Cable Installer Technician - Student Manual - McGrawHill - 2002
Today's Electronic Office - Teacher's Ed. - Fruehling, Weaver - 1992

5366. question

Yahoo group: ham-antennas (2008)
Date: 2008-07-17 15:25:07 UTC
From: Mark Crosbie - N 8 M N I
Topic: 5366 Message: 5366

What is the difference between a HF9V and a HF9VX?
I am thinking that the HF9VX has the 160 add on maybe?

What is your option on this antenna?

73's
Mark Crosbie
N8MNI
London, Ohio USA

W: http://n8mni.com
E: n8mni@...

[Non-text portions of this message have been removed]

5367. RE: [ham-antennas] question

Yahoo group: ham-antennas (2008)
Date: 2008-07-17 15:47:34 UTC
From: Kirk Morrison
Topic: 5366 Message: 5367

It adds 160 but reviews I have read are mixed on how much value it adds so say a lot others little and it has an effect on other bands and they need retuning.

Kirk KA4PXK

Liberty Hill, SC

> To: ham-antennas@yahoogroups.com
> From: N8MNI@...
> Date: Thu, 17 Jul 2008 11:25:07 -0400
> Subject: [ham-antennas] question
>
>
> What is the difference between a HF9V and a HF9VX?
> I am thinking that the HF9VX has the 160 add on maybe?
>
> What is your option on this antenna?
>
> 73's
> Mark Crosbie
> N8MNI
> London, Ohio USA
>
> W: http://n8mni.com
> E: n8mni@...
>
> [Non-text portions of this message have been removed]
>
>
>

With Windows Live for mobile, your contacts travel with you.
http://www.windowslive.com/mobile/overview.html?ocid=TXT_TAGLM_WL_mobile_072008

5368. Re: [ham-antennas] Matching 75ohm to 50ohm

Yahoo group: ham-antennas (2008)
Date: 2008-07-18 23:13:08 UTC
From: Phil Bader
Topic: 5053 Message: 5368

Doesn't this impedence seen at the txvr input vary according with the frequencies? Another words, you may see 50 ohms at 80 meters, but more or less at maybe 20 meters. So, how does one stablize a moving target?
Phil b
Philip Bader
Polk County School Board
Intercom & Fire Alarm Electronics Systems Tech
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakelandarc.org/
pbader@...

----- Original Message -----
From: Rich Schmuke
To: ham-antennas@yahoogroups.com
Sent: Wednesday, July 16, 2008 4:22 PM
Subject: RE: [ham-antennas] Matching 75ohm to 50ohm

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Rich , Kd0zz

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Sent: Tuesday, June 03, 2008 6:41 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Matching 75ohm to 50ohm

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Any suggestions welcome.

Regards
Rob, G4LMW

Any suggestions welcome.

[Non-text portions of this message have been removed]

No virus found in this incoming message.
Checked by AVG - http://www.avg.com
Version: 8.0.138 / Virus Database: 270.5.0/1556 - Release Date: 7/16/2008 4:56 PM

No virus found in this outgoing message.
Checked by AVG - http://www.avg.com
Version: 8.0.138 / Virus Database: 270.5.1/1560 - Release Date: 7/18/2008 6:47 AM

[Non-text portions of this message have been removed]

5369. Workman coax switches

Yahoo group: ham-antennas (2008)
Date: 2008-07-19 15:29:55 UTC
From: Kenny Wyss
Topic: 5369 Message: 5369

Does anyone have any experience with the Workman switches? There are a ton of people selling these things on ebay and they are about half the price of the MFJ switches or less. I contacted one of the sellers and Workman themselves, but no one seems to know the insertion loss on these things. I don't want to put a switch inline that is going to cause me to lose a couple of dBs.

We have a big hamfest nearby tomorrow, so I will be keeping my eyes open for some decent switches.

Kenny, KB0NPW

5370. Re: Workman coax switches

Yahoo group: ham-antennas (2008)
Date: 2008-07-19 15:42:31 UTC
From: Richard Zolla
Topic: 5369 Message: 5370

Made in China with unknown specs. I'm using one on low power (100 watts) with no problems. For the price I took a chance.

Rick N6NKN

--- In ham-antennas@yahoogroups.com, "Kenny Wyss" <kenny@...> wrote:
>
> Does anyone have any experience with the Workman switches? There are a
> ton of people selling these things on ebay and they are about half the
> price of the MFJ switches or less. I contacted one of the sellers and
> Workman themselves, but no one seems to know the insertion loss on
> these things. I don't want to put a switch inline that is going to
> cause me to lose a couple of dBs.
>
> We have a big hamfest nearby tomorrow, so I will be keeping my eyes
> open for some decent switches.
>
> Kenny, KB0NPW
>

5371. Re: [ham-antennas] Workman coax switches

Yahoo group: ham-antennas (2008)
Date: 2008-07-19 15:55:45 UTC
From: Sam Cook
Topic: 5369 Message: 5371

My personal opinion: pretty flimsy.
Very light-duty switch with hook-up wire to connectors,
randomly crammed in housing would give unpredictable
capacitance/inductance properties.
Bought one, opened it to inspect workmanship (poor), put it back
together and tossed it in my "miscellaneous" box.
IMHO: Stick with MFJ or similar with formed "bus-bar" wiring.
"You get what you pay for."

Sam Cook, Milan, MO
Amateur Extra Class Radio Station AC?OK
ARES Official Emergency Station, Sullivan Co., MO
Military Affiliate Radio System (MARS) AAR7AO
==========

Kenny Wyss wrote:
> Does anyone have any experience with the Workman switches? There are a
> ton of people selling these things on ebay and they are about half the
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>
> We have a big hamfest nearby tomorrow, so I will be keeping my eyes
> open for some decent switches.
>
> Kenny, KB0NPW
>
>
> ---
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 974
members (as of 11/07/07, and attachments are NOT permitted.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
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>

5372. The 2008 CQ World-Wide VHF Contest

Yahoo group: ham-antennas (2008)
Date: 2008-07-19 17:14:19 UTC
From: James
Topic: 5372 Message: 5372

I am getting slow in my old age. I almost forgot all about it. Starts in 45 min as of this email post.

Announcing:
The 2008 CQ World-WideVHF Contest
Starts: 1800 UTC Saturday, July 19, 2008

Ends: 2100 UTC Sunday, July 20, 2008

I just spent the past 6 hours mounting and fine tuning the 5 element 6M beam antenna on the roof, lubing up the rotor since it hasn't moved in 4 years and tying off ropes because the tripod is just standing on top of the house not bolted down.

I hope there is no wind today, the power lines are not friendly!

James
KB7TBT
NEGARC Activities Manager
www.kb7tbt.com
www.ne4ga.org
www.myspace.com/kb7tbt

[Non-text portions of this message have been removed]

5373. Re: [ham-antennas] Workman coax switches

Yahoo group: ham-antennas (2008)
Date: 2008-07-19 18:31:00 UTC
From: Phil Bader
Topic: 5369 Message: 5373

I wonder if this company was once the original Workman company we ol TV men remember from years ago...
Phil B
Philip Bader
Polk County School Board
Intercom & Fire Alarm Electronics Systems Tech
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakelandarc.org/
pbader@...

----- Original Message -----
From: Sam Cook
To: ham-antennas@yahoogroups.com
Sent: Saturday, July 19, 2008 11:55 AM
Subject: Re: [ham-antennas] Workman coax switches

My personal opinion: pretty flimsy.
Very light-duty switch with hook-up wire to connectors,
randomly crammed in housing would give unpredictable
capacitance/inductance properties.
Bought one, opened it to inspect workmanship (poor), put it back
together and tossed it in my "miscellaneous" box.
IMHO: Stick with MFJ or similar with formed "bus-bar" wiring.
"You get what you pay for."

Sam Cook, Milan, MO
Amateur Extra Class Radio Station ACØOK
ARES Official Emergency Station, Sullivan Co., MO
Military Affiliate Radio System (MARS) AAR7AO
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Kenny Wyss wrote:
> Does anyone have any experience with the Workman switches? There are a
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> cause me to lose a couple of dBs.
>
> We have a big hamfest nearby tomorrow, so I will be keeping my eyes
> open for some decent switches.
>
> Kenny, KB0NPW
>

>
> ----------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 974 members (as of 11/07/07, and attachments are NOT permitted.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
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No virus found in this incoming message.
Checked by AVG - http://www.avg.com
Version: 8.0.138 / Virus Database: 270.5.2/1561 - Release Date: 7/18/2008 6:35 PM

No virus found in this outgoing message.
Checked by AVG - http://www.avg.com
Version: 8.0.138 / Virus Database: 270.5.2/1561 - Release Date: 7/18/2008 6:35 PM

[Non-text portions of this message have been removed]

5374. Re: Workman coax switches

Yahoo group: ham-antennas (2008)
Date: 2008-07-19 19:47:28 UTC
From: Kenny Wyss
Topic: 5369 Message: 5374

I appreciate the inside info. A friend purchased two of their big 2m/70cm vertical antennas which are basically copycats of my Diamond X510NA, and they perform beautifully. I can recommend those.

73,

Kenny, KB0NPW

--- In ham-antennas@yahoogroups.com, "Phil Bader" <PBADER@...> wrote:
>
> I wonder if this company was once the original Workman company we ol TV men remember from years ago...
> Phil B
> Philip Bader
> Polk County School Board
> Intercom & Fire Alarm Electronics Systems Tech
> Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006
> Amateur call: KI4NUC, Winter Haven, Fl.
> Member: Lakeland Amateur Radio Club
> http://www.lakelandarc.org/
> pbader@...
>
> ----- Original Message -----
> From: Sam Cook
> To: ham-antennas@yahoogroups.com
> Sent: Saturday, July 19, 2008 11:55 AM
> Subject: Re: [ham-antennas] Workman coax switches
>
>
> My personal opinion: pretty flimsy.
> Very light-duty switch with hook-up wire to connectors,
> randomly crammed in housing would give unpredictable
> capacitance/inductance properties.
> Bought one, opened it to inspect workmanship (poor), put it back
> together and tossed it in my "miscellaneous" box.
> IMHO: Stick with MFJ or similar with formed "bus-bar" wiring.
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>
> Kenny Wyss wrote:
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> > Kenny, KB0NPW
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> > ----------
> >
> > HAM ANTENNAS Anything and everything, tell us or ask questions.
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> No virus found in this incoming message.
> Checked by AVG - http://www.avg.com
> Version: 8.0.138 / Virus Database: 270.5.2/1561 - Release Date:
7/18/2008 6:35 PM
>
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> Version: 8.0.138 / Virus Database: 270.5.2/1561 - Release Date:
7/18/2008 6:35 PM
>
>
>
> [Non-text portions of this message have been removed]
>

5375. Off Topic: SO-239 Hoods

Yahoo group: ham-antennas (2008)
Date: 2008-07-19 21:31:10 UTC
From: Mike Besemer (WM4B)
Topic: 5375 Message: 5375

Does anybody have a couple of hoods (Amphenol Part# 083-765 or similar)for
SO-239 connectors they'd be willing to part with. I only
need 2 and don't want to gin up an order just for that.

73,

Mike
WM4B
Kathleen, GA

[Non-text portions of this message have been removed]

5376. RE: [ham-antennas] Off Topic: SO-239 Hoods

Yahoo group: ham-antennas (2008)
Date: 2008-07-20 00:06:08 UTC
From: Rich Schmuke
Topic: 5375 Message: 5376

Mike , do you need them for RG-58 or RG-8X , I should have both kinds in my shack.

Gee, they are for coax and that's a part of the antenna system so its not off topic.

Rich , Kd0zz

As an act of plagiarism . Disclaimer: Any errors in spelling or facts are transmission errors.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Mike Besemer (WM4B)
Sent: Saturday, July 19, 2008 4:31 PM
To: ham-antennas@yahoogroups.com; ham-construction@yahoogroups.com
Subject: [ham-antennas] Off Topic: SO-239 Hoods

Does anybody have a couple of hoods (Amphenol Part# 083-765 or similar)for SO-239 connectors they'd be willing to part with. I only need 2 and don't want to gin up an order just for that.

73,

Mike
WM4B
Kathleen, GA

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

5377. RE: [ham-antennas] Off Topic: SO-239 Hoods

Yahoo group: ham-antennas (2008)
Date: 2008-07-20 00:10:33 UTC
From: Mike Besemer (WM4B)
Topic: 5375 Message: 5377

I'm going to use it with RG-142B/U, which is the size of -8X I think. But. I think I might have it covered. Not too much stuff uses the hoods anymore, but I need them for inside my repeater.

73,

Mike

WM4B

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Rich Schmuke
Sent: Saturday, July 19, 2008 8:06 PM
To: ham-antennas@yahoogroups.com; ham-construction@yahoogroups.com
Subject: RE: [ham-antennas] Off Topic: SO-239 Hoods

Mike , do you need them for RG-58 or RG-8X , I should have both kinds in my shack.

Gee, they are for coax and that's a part of the antenna system so its not off topic.

Rich , Kd0zz

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From: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com> [mailto:ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>] On
Behalf Of Mike Besemer (WM4B)
Sent: Saturday, July 19, 2008 4:31 PM
To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com> ; ham-construction@yahoogroups.com <mailto:ham-construction%40yahoogroups.com>

Subject: [ham-antennas] Off Topic: SO-239 Hoods

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73,

Mike
WM4B
Kathleen, GA

[Non-text portions of this message have been removed]

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5378. RE: [ham-antennas] Off Topic: SO-239 Hoods

Yahoo group: ham-antennas (2008)
Date: 2008-07-20 01:11:28 UTC
From: Rich Schmuke
Topic: 5375 Message: 5378

Well I checked into what you want and what I have is different. You need the 4 hole mount , I use the MX-539/U screw mount. When I make up and J-Pole or other antenna for people I run enough RG-8X to get the in the clear and enough it they need a few turns for a choke. I terminate this coax with a hood and a single hole chassis mount SO-239 . This can be sealed with a little RTV and shrink. Then when mounted the person can run the coax of their choice with a PL-259 on the end and not need two ,259's and a 258.

Rich , Kd0zz

As an act of plagiarism . Disclaimer: Any errors in spelling or facts are transmission errors.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Mike Besemer (WM4B)
Sent: Saturday, July 19, 2008 7:11 PM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Off Topic: SO-239 Hoods

I'm going to use it with RG-142B/U, which is the size of -8X I think. But. I think I might have it covered. Not too much stuff uses the hoods anymore, but I need them for inside my repeater.

73,

Mike

WM4B

From: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com> [mailto:ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>] On
Behalf Of Rich Schmuke
Sent: Saturday, July 19, 2008 8:06 PM
To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com> ; ham-construction@yahoogroups.com <mailto:ham-construction%40yahoogroups.com>

Subject: RE: [ham-antennas] Off Topic: SO-239 Hoods

Mike , do you need them for RG-58 or RG-8X , I should have both kinds in my shack.

Gee, they are for coax and that's a part of the antenna system so its not off topic.

Rich , Kd0zz

As an act of plagiarism . Disclaimer: Any errors in spelling or facts are transmission errors.

From: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com> <mailto:ham-antennas%40yahoogroups.com> [mailto:ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com> <mailto:ham-antennas%40yahoogroups.com>] On
Behalf Of Mike Besemer (WM4B)
Sent: Saturday, July 19, 2008 4:31 PM
To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com> <mailto:ham-antennas%40yahoogroups.com> ;
ham-construction@yahoogroups.com <mailto:ham-construction%40yahoogroups.com> <mailto:ham-construction%40yahoogroups.com>

Subject: [ham-antennas] Off Topic: SO-239 Hoods

Does anybody have a couple of hoods (Amphenol Part# 083-765 or similar)for SO-239 connectors they'd be willing to part with. I only
need 2 and don't want to gin up an order just for that.

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WM4B
Kathleen, GA

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

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[Non-text portions of this message have been removed]

5379. Re: [ham-antennas] Workman coax switches

Yahoo group: ham-antennas (2008)
Date: 2008-07-20 01:20:23 UTC
From: Earl Needham
Topic: 5369 Message: 5379

Sam Cook wrote:
<snip> IMHO: Stick with MFJ or similar with formed "bus-bar" wiring.
> "You get what you pay for."

Never expected to see that in relation to using an MFJ product!

7 3
Earl

--
KD5XB -- Earl Needham
Clovis, New Mexico DM84jk
http://groups.yahoo.com/group/cw_bugs
Quoting from the Coast Guard: ZUT

5380. Re: [ham-antennas] The 2008 CQ World-Wide VHF Contest

Yahoo group: ham-antennas (2008)
Date: 2008-07-20 17:12:29 UTC
From: W8OKN
Topic: 5372 Message: 5380

Thanks for the note on this.

I left my 746 on 144.200 Mhz all day and only heard one station, barely. I would have gladly worked him, since I am very interested in 2m SSB up here in the north, but he was too weak.

W8OKN

----- Original Message -----
From: James
To: BRAWS ; arizonaham@yahoogroups.com ; winsystemmembers@yahoogroups.com ; hfpack@yahoogroups.com ; freewheelersnet@yahoogroups.com ; AARC_GA@yahoogroups.com ; ne4ga@yahoogroups.com
Sent: Saturday, July 19, 2008 1:14 PM
Subject: [ham-antennas] The 2008 CQ World-Wide VHF Contest

I am getting slow in my old age. I almost forgot all about it. Starts in 45 min as of this email post.

Announcing:
The 2008 CQ World-WideVHF Contest
Starts: 1800 UTC Saturday, July 19, 2008

Ends: 2100 UTC Sunday, July 20, 2008

I just spent the past 6 hours mounting and fine tuning the 5 element 6M beam antenna on the roof, lubing up the rotor since it hasn't moved in 4 years and tying off ropes because the tripod is just standing on top of the house not bolted down.

I hope there is no wind today, the power lines are not friendly!

James
KB7TBT
NEGARC Activities Manager
www.kb7tbt.com
www.ne4ga.org
www.myspace.com/kb7tbt

[Non-text portions of this message have been removed]

No virus found in this incoming message.
Checked by AVG.
Version: 7.5.524 / Virus Database: 270.5.2/1561 - Release Date: 7/18/2008 6:35 PM

[Non-text portions of this message have been removed]

5381. Re: [ham-antennas] The 2008 CQ World-Wide VHF Contest

Yahoo group: ham-antennas (2008)
Date: 2008-07-20 18:01:13 UTC
From: Arthur Nienhouse
Topic: 5372 Message: 5381

Hi Sean
I just called you twice on cw from en61dp guess
you can't hear me 144.200.500
Regards
Art
ka9zap

5382. Re: [ham-antennas] The 2008 CQ World-Wide VHF Contest

Yahoo group: ham-antennas (2008)
Date: 2008-07-20 19:27:18 UTC
From: W8OKN
Topic: 5372 Message: 5382

That would be awesome to try again.

I am walking out the door to go kayaking with my son. Can we set up a schedule?

W8OKN

----- Original Message -----
From: Arthur Nienhouse
To: ham-antennas@yahoogroups.com
Sent: Sunday, July 20, 2008 2:01 PM
Subject: Re: [ham-antennas] The 2008 CQ World-Wide VHF Contest

Hi Sean
I just called you twice on cw from en61dp guess
you can't hear me 144.200.500
Regards
Art
ka9zap

No virus found in this incoming message.
Checked by AVG.
Version: 7.5.524 / Virus Database: 270.5.3/1563 - Release Date: 7/20/2008 12:59 PM

[Non-text portions of this message have been removed]

5383. Re: [ham-antennas] The 2008 CQ World-Wide VHF Contest

Yahoo group: ham-antennas (2008)
Date: 2008-07-20 21:58:51 UTC
From: James
Topic: 5372 Message: 5383

I have had 146.520 on all weekend and never heard a peep. 6M was the pits for this area. Was watching the DX clusters and my surrounding grids rarely show up. I watched in the maps and skips that were always going over us, never making a landing. 1 Tropo and 1 Backscatter. I made 5 contacts total.. Not a good weekend for 6 around here.

James
KB7TBT
NEGARC Activities Manager
www.kb7tbt.com
www.ne4ga.org
www.myspace.com/kb7tbt

> Thanks for the note on this.
>
> I left my 746 on 144.200 Mhz all day and only heard one station, barely.
> I would have gladly worked him, since I am very interested in 2m SSB up
> here in the north, but he was too weak.
>
> W8OKN
>

5384. An update on my vertical G5RV

Yahoo group: ham-antennas (2008)
Date: 2008-07-21 03:42:37 UTC
From: wb1fjh
Topic: 5384 Message: 5384

Hi guys,
Earlier,I posted I was going to play around with a vertical g5rv for
20-6.
Well,it worked,but not quite as well as I had hoped.
So I changed it over to a vertical off center fed dipole.
It seems to work pretty well on 20.
I am not sure how much was propagation, and how much was the
vertical "seeing" above the horizom,but I managed to work several Dx
stations and broke a few pile ups with my little Ft 450's 100 watts.
I chose the OCF because I was feeding it with 300 twin.
I fed it at 66.7% on the 1/2 wave.
The other bands wer'nt open so I can't give any input there.
On 6,an interesting thing happened.
My auto tuner tuned it fine,but at 1:1 the performance went down.
At about 1:7 it worked,but not great.
I guess the tuner was absorbing all the Rf on 6.
But,on 20,the vertical ocf kicked butt on my loop which the apex is
45ft and the bottom is about 16ft off the ground.
If anyone cares,there you go.
Alot easier than a bunch of radials.
73
Steve WB1FJH

5385. coax to balun connection

Yahoo group: ham-antennas (2008)
Date: 2008-07-22 00:21:52 UTC
From: Renze VE6DC
Topic: 5385 Message: 5385

Hi everybody,

Within the next couple of weeks I hope to have my (new to me) tower up with a new tribander yagi (20, 17 and 15). This antenna came with a 2:1 current balun. On the balun is a so239 chassis connector and of course I have to solder a pl 59 at the end of the coax for the connection.

But I was wondering, since this is another connection with a possible (small) loss, would it benificial to just skip these 2 connectors and solder the coax directly to the balun.

I realize it would come with new problems like how to disconnect and I would have to make it weatherproof some other way but for now I am wondering if the loss would less.

I would appreciate comments and suggestions.

Regards, Renze VE6DC

5386. Re: coax to balun connection

Yahoo group: ham-antennas (2008)
Date: 2008-07-22 13:44:36 UTC
From: billncolo36
Topic: 5385 Message: 5386

I would take the time and use the connectors. From a practical standpoint, you probably wouldn't see any difference with regards to loss initially. I would be surprised if the loss thru a properly assembled PL-259 connection is more than 0.1 dB at 30 MHz. On the otherhand, when you disturb the 50 ohm impedance by wiring the coax directly to the balun, you create a VSWR mismatch that wouldn't have been there if you had used the connectors. Again, not a big deal at 30 MHz (probably less than 0.1 dB). The main issue for me is the weather proofing of the connection. I would expect that you will have to do a lot more to try and seal a non-connectorized interface, and in my opinion, you probably won't be successful due to the constant movement of the coax-balun juntion. The corrosion eventually caused by the water getting into the coax over time could easily add 0.5 dB of loss to the connection.
Bill
N0CU

--- In ham-antennas@yahoogroups.com, "Renze VE6DC"
<annettaradio@...> wrote:
>
>
> Hi everybody,
>
> Within the next couple of weeks I hope to have my (new to me) tower
up
> with a new tribander yagi (20, 17 and 15). This antenna came with a
2:1
> current balun. On the balun is a so239 chassis connector and of
course I
> have to solder a pl 59 at the end of the coax for the connection.
>
> But I was wondering, since this is another connection with a
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> (small) loss, would it benificial to just skip these 2 connectors
and
> solder the coax directly to the balun.
>
> I realize it would come with new problems like how to disconnect
and I
> would have to make it weatherproof some other way but for now I am
> wondering if the loss would less.
>
> I would appreciate comments and suggestions.
>
> Regards, Renze VE6DC

>

5387. A-Frame Tower/Mast Construction

Yahoo group: ham-antennas (2008)
Date: 2008-07-22 19:26:49 UTC
From: denisnh
Topic: 5387 Message: 5387

Hi All. I'm in the process of moving to a new location and all my books are packed away. I remember reading in at least one of my antenna books about the construction of an A-Frame (tower or mast?).

I've been asked by a friend if I have any idea how to build one and while I can probably improvise one myself, I'd rather go by an established and tested building method. I've searched the internet and found nothing on the A-Frame. The article I read a year or two ago was very complete and detailed. I sure could use it now!

Are there any web sites or easily obtainable sources of information for building the A-Frame? I would like to make it as high as possible, while remaining practical and safe, so basically the sky is the limit. :)

I would be grateful for any information you can offer.

Thanks!
Denis

5388. Re: [ham-antennas] A-Frame Tower/Mast Construction

Yahoo group: ham-antennas (2008)
Date: 2008-07-22 20:24:20 UTC
From: Mel Farrer
Topic: 5387 Message: 5388

Here is a page out of the 1983 ARRL antenna handbook. Remember to weather proof the wood for rain, etc. Cheers,

Mel, K6KBE
--- On Tue, 7/22/08, denisnh <denisnh@...> wrote:
From: denisnh <denisnh@...>
Subject: [ham-antennas] A-Frame Tower/Mast Construction
To: ham-antennas@yahoogroups.com
Date: Tuesday, July 22, 2008, 12:26 PM

Hi All. I'm in the process of moving to a new location and all my

books are packed away. I remember reading in at least one of my

antenna books about the construction of an A-Frame (tower or mast?).

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possible, while remaining practical and safe, so basically the sky is

the limit. :)

I would be grateful for any information you can offer.

Thanks!

Denis

[Non-text portions of this message have been removed]

5389. RE: [ham-antennas] A-Frame Tower/Mast Construction

Yahoo group: ham-antennas (2008)
Date: 2008-07-22 21:26:14 UTC
From: Rich Schmuke
Topic: 5387 Message: 5389

Mel , could you send me the info my way , or post the pictures on this web site like I did for the tilt- over I built.

rdj@...

Rich , Kd0zz

As an act of plagiarism . Disclaimer: Any errors in spelling or facts are transmission errors.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Mel Farrer
Sent: Tuesday, July 22, 2008 3:24 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] A-Frame Tower/Mast Construction

Here is a page out of the 1983 ARRL antenna handbook. Remember to weather proof the wood for rain, etc. Cheers,

Mel, K6KBE
--- On Tue, 7/22/08, denisnh <denisnh@... <mailto:denisnh%40yahoo.com>
> wrote:
From: denisnh <denisnh@... <mailto:denisnh%40yahoo.com> >
Subject: [ham-antennas] A-Frame Tower/Mast Construction
To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
Date: Tuesday, July 22, 2008, 12:26 PM

Hi All. I'm in the process of moving to a new location and all my

books are packed away. I remember reading in at least one of my

antenna books about the construction of an A-Frame (tower or mast?).

I've been asked by a friend if I have any idea how to build one and

while I can probably improvise one myself, I'd rather go by an

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for building the A-Frame? I would like to make it as high as

possible, while remaining practical and safe, so basically the sky is

the limit. :)

I would be grateful for any information you can offer.

Thanks!

Denis

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

5390. Need help form list members

Yahoo group: ham-antennas (2008)
Date: 2008-07-23 03:16:03 UTC
From: kc8ddq@aol.com
Topic: 5390 Message: 5390

Hey everyone,

I know this is totally off topic. I know no one on these lists knows me. This isn't a spam email. My mother passed away on June 18, 2008 after a 16 month battle with ALS or what some call Lou Gehrigs Disease. I'm trying to raise donations for MDA in memory of my mom, Nora Williams. Included is a link to my MDA sponsored web site which shows a picture of my mom holding my little boy shortly after his birth 2 years ago. I'm in the background with my back to the camera. Any donation is tax deductible and can be done directly through MDA's web site so it doesn't involve any money going to me. Please feel free to send this on to as many people as you want. I'm currently not receiving email on some of these lists so feel free to email me directly if you need any further info.

_https://www.mdaevent.org/ParticipantInfo.aspx?j=b1f839ba-e55d-4ca4-9ee7-f5d38
67fa6b5_
(https://www.mdaevent.org/ParticipantInfo.aspx?j=b1f839ba-e55d-4ca4-9ee7-f5d3867fa6b5)

or

Click here: Welcome to MDA's Official On-Line Application
(https://www.mdaevent.org/ParticipantInfo.aspx?j=b1f839ba-e55d-4ca4-9ee7-f5d3867fa6b5)

Thanks
Paul Williams

**********Get fantasy football with free live scoring. Sign up for
FanHouse Fantasy Football today.
(http://www.fanhouse.com/fantasyaffair?ncid=aolspr00050000000020)

[Non-text portions of this message have been removed]

5391. A Home brew antenna story...

Yahoo group: ham-antennas (2008)
Date: 2008-07-23 12:41:05 UTC
From: Leo
Topic: 5391 Message: 5391

Hello Group,
A few days ago my brother and I picked up an old Rohn tower from a relative. They told me there was an antenna in one of their sheds. They said they thought it was the antenna that my late father and I made for my use when I became a Novice in 1959.

I retrived the antenna and it was the very same one I used in 1959. It was amazing that they got it from my father when I left the farm and saved it for nearly 50 years.

I plan to clean it up and restore it. I would very much like to restore it to it's original condition. The antenna was constructed from plans shown in the 1959 "The Radio Amateur's Handbook".

I am looking for the stand-off insulators shown in the photos that I uploaded in album labeled "lcr_retired K9RSO". I have located insulators that will work but having the original type would be great.

I will upload photos after it is restored. I tested the SWR in the position shown in the first photo. The SWR was 1.2 over the 15 meter CW band.

73, Leo K9RSO

5392. Re: [ham-antennas] A Home brew antenna story...

Yahoo group: ham-antennas (2008)
Date: 2008-07-23 13:16:54 UTC
From: Ron
Topic: 5391 Message: 5392

What a great story And I'll be looking for you on the air with it. I have an antenna story as well but not quite like yours. I am new to HF and built a quick down and dirty G5RV-Jr antenna to get me on the air, it has worked Ok and I've made a number of contacts. IN the meantime I have built a full G5RV with proper twin lead, balun etc now I have what I can only call antenna-itis (some might just call it being a ham.) My new antenna lets me hear far off rare DX but not always work it, I'm thinking I need a tower and beam now hihi
73
Ron VE7GIF

Leo wrote:
>
> Hello Group,
> A few days ago my brother and I picked up an old Rohn tower from a
> relative. They told me there was an antenna in one of their sheds.
> They said they thought it was the antenna that my late father and I
> made for my use when I became a Novice in 1959.
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> I retrived the antenna and it was the very same one I used in 1959.
> It was amazing that they got it from my father when I left the farm
> and saved it for nearly 50 years.
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> I plan to clean it up and restore it. I would very much like to
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> I will upload photos after it is restored. I tested the SWR in the
> position shown in the first photo. The SWR was 1.2 over the 15 meter
> CW band.
>
> 73, Leo K9RSO
>
>

[Non-text portions of this message have been removed]

5393. RFI in the shack with Alpha-Delta DX-LB Plus

Yahoo group: ham-antennas (2008)
Date: 2008-07-23 15:47:51 UTC
From: Darryl Wagoner
Topic: 5393 Message: 5393

Greetings,

I just picked up an Alpha-Delta DX-LB Plus dipole. This dipole is a coax center feed.

Based upon information from http://www.k8dns.com/balun.html I created a RF air core choke with an 8" sonan(sp) tube and wrapped about 15 feet around it or about 8 turns.

It cleared up the RFI problem that was causing my T1 Internet line to crash, but now I have 2 new problems:

1. It is deaf on 20 and above and not great on 80 & 40.
2. Tunning range is very short, maybe 25-50 kc and I have to retune.

One guess I have is the choke is too close to the dipole.

Suggestions? Ideas?

thanks and 73
--

Darryl Wagoner
DE WA1GON

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http://groups.yahoo.com/group/LoTW-Nets/join

Want a scholarship into the Millionaire Mind Intensive worth $2590?
http://www.secretsofthemillionairemind.com/a/?wid=603891

5394. Re: [ham-antennas] RFI in the shack with Alpha-Delta DX-LB Plus

Yahoo group: ham-antennas (2008)
Date: 2008-07-23 18:28:55 UTC
From: Stan Labinsky Jr.
Topic: 5393 Message: 5394

While I don't know the antenna you mentioned, may it just be that it's working more like should?

Adding that choke removed the feed line from being part of "the" antenna as witnessed by your T1 not being RFI'd anymore.

Just for chuckles, try moving the balun loser to the shack, that way you might be able to reintroduce some of the shield back into functioning as part of the antenna while still keeping the rf from getting to the T1 line. I know, it sounds a bit like witchcraft, but isn't that what being a ham is about? Messing around with something till it works the way we want? Or until we learn, "that it just ain't gonna work that way".

Just a thought, or two.

Stan

----- Original Message -----
From: Darryl Wagoner
To: ham-antennas@yahoogroups.com
Sent: Wednesday, July 23, 2008 11:47 AM
Subject: [ham-antennas] RFI in the shack with Alpha-Delta DX-LB Plus

Greetings,

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coax center feed.

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[Non-text portions of this message have been removed]

5395. Re: [ham-antennas] RFI in the shack with Alpha-Delta DX-LB Plus

Yahoo group: ham-antennas (2008)
Date: 2008-07-23 19:04:28 UTC
From: Dan Schaaf
Topic: 5393 Message: 5395

Hello all,

I have been looking at the LB with great interest, but as I understand:

1) it is a tuned dipole
2) It is designed for 160, 80 and 40 meters, not 20 m.
3) Since it is a shortened dipole, the bandwidth ought to be narrow.
4) Since it is coax fed, the shield should not be part of the antenna.

Please tell me if I misunderstand this antenna design.

BTW, My 102 ft G5RV crashes my Internet Wireless router when I operate on 160 meters. It was not meant to operate on 160. It is half the length of the 160 m version of G5RV.

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com "In the Beginning, there was Spark Gap"

----- Original Message -----
From: Stan Labinsky Jr.
To: ham-antennas@yahoogroups.com
Sent: Wednesday, July 23, 2008 2:28 PM
Subject: Re: [ham-antennas] RFI in the shack with Alpha-Delta DX-LB Plus

While I don't know the antenna you mentioned, may it just be that it's working more like should?

Adding that choke removed the feed line from being part of "the" antenna as witnessed by your T1 not being RFI'd anymore.

Just for chuckles, try moving the balun loser to the shack, that way you might be able to reintroduce some of the shield back into functioning as part of the antenna while still keeping the rf from getting to the T1 line. I know, it sounds a bit like witchcraft, but isn't that what being a ham is about? Messing around with something till it works the way we want? Or until we learn, "that it just ain't gonna work that way".

Just a thought, or two.

Stan

----- Original Message -----
From: Darryl Wagoner
To: ham-antennas@yahoogroups.com
Sent: Wednesday, July 23, 2008 11:47 AM
Subject: [ham-antennas] RFI in the shack with Alpha-Delta DX-LB Plus

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[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

5396. Re: [ham-antennas] RFI in the shack with Alpha-Delta DX-LB Plus

Yahoo group: ham-antennas (2008)
Date: 2008-07-23 19:36:07 UTC
From: jim burns
Topic: 5393 Message: 5396

Hi Dan,
The DXLB is a shortened dipole for 160, 80, 40M and does have a higher "Q" and thus a narrower BW than full length dipoles. Typical 2:1 SWR BW is 160M/20Khz, 80M/50 Khz and 40M/75Khz and, of course, this varies with installation and site. The various elements starting with 40M may be tuned (length adjusted) to center the <2:1 SWR segment on your preferred operating range and, of course, a tuner, either wide range outboard or 3:1 built-in, may be used to increase the usable BW. Any convenient 1:1 balun or current choke such as 8 turns X 8" of the coax can be used effectively to decouple the feedline from the antenna if this is deemed necessary (not always required but never a bad idea). For coverage of 20, 15 and 10M there is the DX-LB Plus; same as the DX-LB but with two (2) underslung elements to cover these additional bands.
Jim, WB4ILP

----- Original Message -----
From: Dan Schaaf
To: ham-antennas@yahoogroups.com
Sent: Wednesday, July 23, 2008 4:04 PM
Subject: Re: [ham-antennas] RFI in the shack with Alpha-Delta DX-LB Plus

Hello all,

I have been looking at the LB with great interest, but as I understand:

1) it is a tuned dipole
2) It is designed for 160, 80 and 40 meters, not 20 m.
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Best Regards
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K3ZXL www.k3zxl.com "In the Beginning, there was Spark Gap"

----- Original Message -----
From: Stan Labinsky Jr.
To: ham-antennas@yahoogroups.com
Sent: Wednesday, July 23, 2008 2:28 PM
Subject: Re: [ham-antennas] RFI in the shack with Alpha-Delta DX-LB Plus

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Just a thought, or two.

Stan

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From: Darryl Wagoner
To: ham-antennas@yahoogroups.com
Sent: Wednesday, July 23, 2008 11:47 AM
Subject: [ham-antennas] RFI in the shack with Alpha-Delta DX-LB Plus

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Suggestions? Ideas?

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Darryl Wagoner
DE WA1GON

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[Non-text portions of this message have been removed]

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[Non-text portions of this message have been removed]

5397. Wire

Yahoo group: ham-antennas (2008)
Date: 2008-07-23 20:21:11 UTC
From: Rich Schmuke
Topic: 5397 Message: 5397

I often see a note about the use of Teflon wire for baluns . Does any know a reason why TefzelR ETFE insulated wire would not be as good or better because the dielectric strength is even higher and the main reason it I have some wire on hand. Ref wire type M22759/16 (12ga)

Rich , Kd0zz

As an act of plagiarism . Disclaimer: Any errors in spelling or facts are transmission errors.

[Non-text portions of this message have been removed]

5398. Re: coax to balun connection

Yahoo group: ham-antennas (2008)
Date: 2008-07-23 20:35:08 UTC
From: Renze VE6DC
Topic: 5385 Message: 5398

Thanks Bill, N0CU, for your advice.

I will use the connectors. It was an idea that came up, I didn't want
to put up the tower and then later get stuck with the could've
should've feeling.

Thanks again, 73, VE6DC, Renze

- In ham-antennas@yahoogroups.com, "billncolo36" <billncolo@...>
wrote:
>
> I would take the time and use the connectors. From a practical
> standpoint, you probably wouldn't see any difference with regards
to
> loss initially. I would be surprised if the loss thru a properly
> assembled PL-259 connection is more than 0.1 dB at 30 MHz. On the
> otherhand, when you disturb the 50 ohm impedance by wiring the coax
> directly to the balun, you create a VSWR mismatch that wouldn't
have
> been there if you had used the connectors. Again, not a big deal at
> 30 MHz (probably less than 0.1 dB). The main issue for me is the
> weather proofing of the connection. I would expect that you will
have
> to do a lot more to try and seal a non-connectorized interface, and
> in my opinion, you probably won't be successful due to the constant
> movement of the coax-balun juntion. The corrosion eventually caused
> by the water getting into the coax over time could easily add 0.5
dB
> of loss to the connection.
> Bill
> N0CU
>
> --- In ham-antennas@yahoogroups.com, "Renze VE6DC"
> <annettaradio@> wrote:
> >
> >
> > Hi everybody,
> >
> > Within the next couple of weeks I hope to have my (new to me)
tower
> up
> > with a new tribander yagi (20, 17 and 15). This antenna came with
a
> 2:1
> > current balun. On the balun is a so239 chassis connector and of
> course I

> > have to solder a pl 59 at the end of the coax for the connection.
> >
> > But I was wondering, since this is another connection with a
> possible
> > (small) loss, would it benificial to just skip these 2
connectors
> and
> > solder the coax directly to the balun.
> >
> > I realize it would come with new problems like how to disconnect
> and I
> > would have to make it weatherproof some other way but for now I am
> > wondering if the loss would less.
> >
> > I would appreciate comments and suggestions.
> >
> > Regards, Renze VE6DC
> >
>

5399. Re: [ham-antennas] RFI in the shack with Alpha-Delta DX-LB Plus

Yahoo group: ham-antennas (2008)
Date: 2008-07-23 21:02:02 UTC
From: Stan Labinsky Jr.
Topic: 5393 Message: 5399

----- Original Message -----
From: Dan Schaaf
To: ham-antennas@yahoogroups.com
Sent: Wednesday, July 23, 2008 3:04 PM
Subject: Re: [ham-antennas] RFI in the shack with Alpha-Delta DX-LB Plus

Hello all,

I have been looking at the LB with great interest, but as I understand:

4) Since it is coax fed, the shield should not be part of the antenna.

Please tell me if I misunderstand this antenna design.

Dan, in item 4 'should' is the more correct term. It has been proven that some of the rf will travel down the outside of the coax shield. That's why there are such devices as baluns.
The addition of the balun chokes off the rf on the shield's outside removing it from the total antenna. It sounds like you were running a kind of flat top antenna, an antenna who's radiated pattern includes both horizontally and vertically polarized waves. see: Inverted "L" antennas.
The length of the feed line will determine the total pattern of the antenna just as will the orientation of the dipole elememts. It will also determine the level of "rf in the shack". Also, the orientation of the feeder will have some effect with the least amount of rf being induced onto the shield if the feeder comes to the antenna at right angles.

Stan

[Non-text portions of this message have been removed]

5400. Re: [ham-antennas] RFI in the shack with Alpha-Delta DX-LB Plus

Yahoo group: ham-antennas (2008)
Date: 2008-07-23 21:15:06 UTC
From: Dan Schaaf
Topic: 5393 Message: 5400

Jim

Sounds like you are technically savvy on this antenna. I read a post where a ham had problems with the DX-LB and when he removed the arc plug, it worked great. Any comments on this?

Also, are those loading coils or traps on this antenna? If loading coils, how do they make the antenna resonate on 40 and 80 without trap capacitors?

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com "In the Beginning, there was Spark Gap"
==========
NOBSKA
www.nobska.net
==========
Cape Cod Instruments
www.oceanbiz.net
==========
----- Original Message -----
From: jim burns
To: ham-antennas@yahoogroups.com
Cc: don tyrrell
Sent: Wednesday, July 23, 2008 3:36 PM
Subject: Re: [ham-antennas] RFI in the shack with Alpha-Delta DX-LB Plus

Hi Dan,
The DXLB is a shortened dipole for 160, 80, 40M and does have a higher "Q" and thus a narrower BW than full length dipoles. Typical 2:1 SWR BW is 160M/20Khz, 80M/50 Khz and 40M/75Khz and, of course, this varies with installation and site. The various elements starting with 40M may be tuned (length adjusted) to center the <2:1 SWR segment on your preferred operating range and, of course, a tuner, either wide range outboard or 3:1 built-in, may be used to increase the usable BW. Any convenient 1:1 balun or current choke such as 8 turns X 8" of the coax can be used effectively to decouple the feedline from the antenna if this is deemed necessary (not always required but never a bad idea). For coverage of 20, 15 and 10M there is the DX-LB Plus; same as the DX-LB but with two (2) underslung elements to cover these additional bands.
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Dan Schaaf
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----- Original Message -----
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To: ham-antennas@yahoogroups.com
Sent: Wednesday, July 23, 2008 2:28 PM
Subject: Re: [ham-antennas] RFI in the shack with Alpha-Delta DX-LB Plus

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Just a thought, or two.

Stan

----- Original Message -----
From: Darryl Wagoner
To: ham-antennas@yahoogroups.com
Sent: Wednesday, July 23, 2008 11:47 AM
Subject: [ham-antennas] RFI in the shack with Alpha-Delta DX-LB Plus

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Suggestions? Ideas?

thanks and 73
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Darryl Wagoner
DE WA1GON

LoTW DX/WAS nets - Easy way to chase paper

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[Non-text portions of this message have been removed]

5401. Re: [ham-antennas] Wire

Yahoo group: ham-antennas (2008)
Date: 2008-07-23 21:48:17 UTC
From: Electronic Battle
Topic: 5397 Message: 5401

>I often see a note about the use of Teflon wire for baluns . Does any know
> a reason why TefzelR ETFE insulated wire would not be as good or better
> because the dielectric strength is even higher and the main reason it I
> have some wire on hand. Ref wire type M22759/16 (12ga)

I'm not aware of a problem: if the operating temperature range for the insulation is equivaent the only other thing is abrasion resistance (not really relevant in a wound balun anyway). I would be happy to use Tefzel or similar.

Richard
M1JKL

5402. Re: [ham-antennas] RFI in the shack with Alpha-Delta DX-LB Plus

Yahoo group: ham-antennas (2008)
Date: 2008-07-23 21:49:29 UTC
From: Leonard K. Pennock
Topic: 5393 Message: 5402

If the static plug has blown the antenna will not function since it shorts both sides together. Also if you operate at high SWR using a tuner you need to remove the plug as that will blow it.

They use stray capacitance in the coils to form a trap circuit, hence, they have no caps but are still a trap.

Dan Schaaf wrote:
> Jim
>
> Sounds like you are technically savvy on this antenna. I read a post where a ham had problems with the DX-LB and when he removed the arc plug, it worked great. Any comments on this?
>
> Also, are those loading coils or traps on this antenna? If loading coils, how do they make the antenna resonate on 40 and 80 without trap capacitors?
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>
> Best Regards
> Dan Schaaf
> K3ZXL www.k3zxl.com "In the Beginning, there was Spark Gap"

--
Leonard K. Pennock
AD7AS

Those who walk bravely through life, unafraid of loss or failure, find that they very rarely lose or fail.

5403. Re: [ham-antennas] RFI in the shack with Alpha-Delta DX-LB Plus

Yahoo group: ham-antennas (2008)
Date: 2008-07-23 21:56:07 UTC
From: Dan Schaaf
Topic: 5393 Message: 5403

Thanks. When I buy one of these, I will immediately remove the arc / static plug. I use a tuner and I don't want to lower the antenna in teh middle of a pileup or contest to remove the plug if it shorts in teh heat of battle.

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com "In the Beginning, there was Spark Gap"
==========
NOBSKA
www.nobska.net
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Cape Cod Instruments
www.oceanbiz.net
==========
----- Original Message -----
From: Leonard K. Pennock
To: ham-antennas@yahoogroups.com
Sent: Wednesday, July 23, 2008 5:49 PM
Subject: Re: [ham-antennas] RFI in the shack with Alpha-Delta DX-LB Plus

If the static plug has blown the antenna will not function since it shorts both sides together. Also if you operate at high SWR using a tuner you need to remove the plug as that will blow it.

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[Non-text portions of this message have been removed]

5404. Re: RFI in the shack with Alpha-Delta DX-LB Plus

Yahoo group: ham-antennas (2008)
Date: 2008-07-23 22:09:45 UTC
From: Darryl
Topic: 5393 Message: 5404

Hi Stan and the group,

No, before I put the RF Choke on it was working almost as good as my beam on 20 meters. I was surprized on how well it did work. I was a happy camper until the COOP members started to call to say the Internet was down.

Do I know the problem is either the choke or the cable. From the responses from Dan and others I think it is the cable.
Of all the dipoles I have run, this one worked the best!

I have an Ameritron 811H which push about 500-550 Watts CW.
What size of coax do I need?

thanks & 73
-darryl

--- In ham-antennas@yahoogroups.com, "Stan Labinsky Jr." <stanbarb@...> wrote:
>
> While I don't know the antenna you mentioned, may it just be that it's working more like should?

5405. Pawsey Stub ... Two Pawsey Stubs? (Antenna balancing)

Yahoo group: ham-antennas (2008)
Date: 2008-07-23 22:22:19 UTC
From: AndreyGleener
Topic: 5405 Message: 5405

When I need to feed a dipole from 50 Ohm coax I attach quarter wave coaxial cable section (so-called Pawsey stub) to make my feed balanced. This is common knowledge, works great, described in every antenna book.

Now I need to feed dual band dipole from 50 Ohm coax and bandwidth of Pawsey stub balun is much too narrow to cover both bands. If I attach two Pawsey stubs, one per each band, will I get dual band balun?

5406. Re: Wire

Yahoo group: ham-antennas (2008)
Date: 2008-07-23 22:27:37 UTC
From: w8nf
Topic: 5397 Message: 5406

--- In ham-antennas@yahoogroups.com, "Rich Schmuke" <rdj@...> wrote:
>
> I often see a note about the use of Teflon wire for baluns . Does
any know
> a reason why TefzelR ETFE insulated wire would not be as good or better
> because the dielectric strength is even higher and the main reason it I
> have some wire on hand. Ref wire type M22759/16 (12ga)
>
>
>
> Rich , Kd0zz

The primary reason for using teflon insulation in smallish baluns is
because of the heat resistance. When you solder the wires in a balun,
the heat travels rapidly up into the balun core, where visual
inspection is exceptionally difficult to accomplish. Thus, the use of
teflon insulation, which expands but does not melt away when heated,
makes for less possibility of an un-inspectable short circuit.

If the TefzelR ETFE wire has the same characteristics, then you'd be
fine to use it.

Dave W8NF

5407. Re: [ham-antennas] Pawsey Stub ... Two Pawsey Stubs? (Antenna balancing)

Yahoo group: ham-antennas (2008)
Date: 2008-07-23 22:27:55 UTC
From: Electronic Battle
Topic: 5405 Message: 5407

> When I need to feed a dipole from 50 Ohm coax I attach quarter wave
> coaxial cable section (so-called Pawsey stub) to make my feed balanced.
> This is common knowledge, works great, described in every antenna book.
>
> Now I need to feed dual band dipole from 50 Ohm coax and bandwidth of
> Pawsey stub balun is much too narrow to cover both bands. If I attach
> two Pawsey stubs, one per each band, will I get dual band balun?

Yes. Both sections only look a quartewave long at the design frequency and hence the transforming action you require (unbalanced to balanced) is achieved at those two discrete frequencies where the length is a quarter of a wavelength .

Richard, M1JKL

5408. Re: [ham-antennas] RFI in the shack with Alpha-Delta DX-LB Plus

Yahoo group: ham-antennas (2008)
Date: 2008-07-23 22:34:09 UTC
From: Leonard K. Pennock
Topic: 5393 Message: 5408

Just checked the manual on a DX-LB/DX-LB+ and it shouldn't even have the static protector as the antenna is assumed to be used with a wide band tuner.

Leonard K. Pennock wrote:
> If the static plug has blown the antenna will not function since it
> shorts both sides together. Also if you operate at high SWR using a
> tuner you need to remove the plug as that will blow it.
>
> They use stray capacitance in the coils to form a trap circuit, hence,
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>> Best Regards
>> Dan Schaaf
>> K3ZXL www.k3zxl.com "In the Beginning, there was Spark Gap"
>

--
Leonard K. Pennock
AD7AS

Those who walk bravely through life, unafraid of loss or failure,
find that they very rarely lose or fail.

5409. Re: [ham-antennas] RFI in the shack with Alpha-Delta DX-LB Plus

Yahoo group: ham-antennas (2008)
Date: 2008-07-24 00:27:05 UTC
From: Dan Schaaf
Topic: 5393 Message: 5409

Why does the plug short when using a tuner?

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com "In the Beginning, there was Spark Gap"
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Cape Cod Instruments
www.oceanbiz.net
==========
----- Original Message -----
From: Leonard K. Pennock
To: ham-antennas@yahoogroups.com
Sent: Wednesday, July 23, 2008 6:34 PM
Subject: Re: [ham-antennas] RFI in the shack with Alpha-Delta DX-LB Plus

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static protector as the antenna is assumed to be used with a wide band
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[Non-text portions of this message have been removed]

5410. Re: [ham-antennas] RFI in the shack with Alpha-Delta DX-LB Plus

Yahoo group: ham-antennas (2008)
Date: 2008-07-24 00:53:58 UTC
From: jim burns
Topic: 5393 Message: 5410

Hi Dan,
Yes, I know a little about this antenna as I have worked for Alpha Delta for 15 years now. I'm sorry if my response sounded like an advertisement; it wasn't meant to be.
The SEP cartridge which is located in the center insulator contains a gas tube which will drain off a static charge once it reaches a critical level. Also, it could be argued that the device provides some degree of protection from lightning induced surges although since there is a relatively long path to ground through the coax shield and since that ground may be your radio's chassis, lightning protection should be provided nearer to a heavy grounded point such as at the point where the coax enters the shack. The problem sometimes encountered with the SEP is that many hams use tuners to feed the antenna and thus get power into the antenna at relatively high SWR's at the feedpoint. If you can tolerate the feedline losses at these elevated SWR levels all is OK unless the high SWR causes the RF voltage at the feedpoint to exceed the breakdown voltage of the SEP cartridge which is 1KVDC. At transciever power levels (100W - 200W) this is not a problem even with moderate SWR but, as power and SWR increase, the gas tube can go into conduction which produces a "short" at the antenna feedpoint. This, of course, isn't good but the tube quinches as soon as the power is removed. This sometimes happens only on modulation peaks. Since the DXLB and DXLB+ cover 160M with a narrow 2:1 bandwidth (typically 20 KHz) most operators are using a tuner to get some extra bandwidth. Considering that the SEP was being driven into conduction quite often on the DXLB and DXLB+ due to a combination of power and SWR from the use of tuners, the LB series is no longer shipped from the factory with the SEP installed. It's an easy job to remove the SEP on earlier models but there is no reason to do so at moderate power and SWR levels where the problem has not been observed.
Regarding the inductors as to whether they are loading coils or traps, the answer is simple, they are both. The inductors act as loading coils to make an electrically short section of wire resonate at the desired frequency. Also, at another range of frequencies, for instance 7 MHz to 7.3 MHz (40M trap, 80M/160M loading coil), they act as traps, actually resonating with the distributed capactance of the inductor's windings. No trap capacitor to blow !
I hope this explanation is helpful and I apologize for being "longwinded".
Jim, WB4ILP

----- Original Message -----
From: Dan Schaaf
To: ham-antennas@yahoogroups.com
Sent: Wednesday, July 23, 2008 6:15 PM
Subject: Re: [ham-antennas] RFI in the shack with Alpha-Delta DX-LB Plus

Jim

Sounds like you are technically savvy on this antenna. I read a post where a ham had problems with the DX-LB and when he removed the arc plug, it worked great. Any comments on this?

Also, are those loading coils or traps on this antenna? If loading coils, how do they make the antenna resonate on 40 and 80 without trap capacitors?

Best Regards
Dan Schaaf
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----- Original Message -----
From: jim burns
To: ham-antennas@yahoogroups.com
Cc: don tyrrell
Sent: Wednesday, July 23, 2008 3:36 PM
Subject: Re: [ham-antennas] RFI in the shack with Alpha-Delta DX-LB Plus

Hi Dan,
The DXLB is a shortened dipole for 160, 80, 40M and does have a higher "Q" and thus a narrower BW than full length dipoles. Typical 2:1 SWR BW is 160M/20Khz, 80M/50 Khz and 40M/75Khz and, of course, this varies with installation and site. The various elements starting with 40M may be tuned (length adjusted) to center the <2:1 SWR segment on your preferred operating range and, of course, a tuner, either wide range outboard or 3:1 built-in, may be used to increase the usable BW. Any convenient 1:1 balun or current choke such as 8 turns X 8" of the coax can be used effectively to decouple the feedline from the antenna if this is deemed necessary (not always required but never a bad idea). For coverage of 20, 15 and 10M there is the DX-LB Plus; same as the DX-LB but with two (2) underslung elements to cover these additional bands.
Jim, WB4ILP

----- Original Message -----
From: Dan Schaaf
To: ham-antennas@yahoogroups.com
Sent: Wednesday, July 23, 2008 4:04 PM
Subject: Re: [ham-antennas] RFI in the shack with Alpha-Delta DX-LB Plus

Hello all,

I have been looking at the LB with great interest, but as I understand:

1) it is a tuned dipole
2) It is designed for 160, 80 and 40 meters, not 20 m.
3) Since it is a shortened dipole, the bandwidth ought to be narrow.
4) Since it is coax fed, the shield should not be part of the antenna.

Please tell me if I misunderstand this antenna design.

BTW, My 102 ft G5RV crashes my Internet Wireless router when I operate on 160 meters. It was not meant to operate on 160. It is half the length of the 160 m version of G5RV.

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com "In the Beginning, there was Spark Gap"

----- Original Message -----
From: Stan Labinsky Jr.
To: ham-antennas@yahoogroups.com
Sent: Wednesday, July 23, 2008 2:28 PM
Subject: Re: [ham-antennas] RFI in the shack with Alpha-Delta DX-LB Plus

While I don't know the antenna you mentioned, may it just be that it's working more like should?

Adding that choke removed the feed line from being part of "the" antenna as witnessed by your T1 not being RFI'd anymore.

Just for chuckles, try moving the balun loser to the shack, that way you might be able to reintroduce some of the shield back into functioning as part of the antenna while still keeping the rf from getting to the T1 line. I know, it sounds a bit like witchcraft, but isn't that what being a ham is about? Messing around with something till it works the way we want? Or until we learn, "that it just ain't gonna work that way".

Just a thought, or two.

Stan

----- Original Message -----
From: Darryl Wagoner
To: ham-antennas@yahoogroups.com
Sent: Wednesday, July 23, 2008 11:47 AM
Subject: [ham-antennas] RFI in the shack with Alpha-Delta DX-LB Plus

Greetings,

I just picked up an Alpha-Delta DX-LB Plus dipole. This dipole is a
coax center feed.

Based upon information from http://www.k8dns.com/balun.html I created
a RF air core choke with an 8" sonan(sp) tube and wrapped about 15 feet
around it or about 8 turns.

It cleared up the RFI problem that was causing my T1 Internet line to
crash, but now I have 2 new problems:

1. It is deaf on 20 and above and not great on 80 & 40.
2. Tunning range is very short, maybe 25-50 kc and I have to retune.

One guess I have is the choke is too close to the dipole.

Suggestions? Ideas?

thanks and 73
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Darryl Wagoner
DE WA1GON

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5411. Re: [ham-antennas] RFI in the shack with Alpha-Delta DX-LB Plus

Yahoo group: ham-antennas (2008)
Date: 2008-07-24 01:17:19 UTC
From: Dan Schaaf
Topic: 5393 Message: 5411

Jim

Thanks for the info.

Presently I use the 102 ft G5RV on 80 and 160. Too short for 160 but it works well enuf to get a clean sweep on VP6DX. The short lengtrh on 160 means a lot of tuner adjustements. I also use teh G5RV on 60 meters with the tuner.

My plan is to use the DXLB on 160, 80 and 60 meters. I plan to use a tuner again on teh LB and am hoping that it will perform equally well on 60 as the G5RV does. (Worled AH2L on teh g5rv on 60 m.

The G5RV is mounted as inverted V 30 ft at teh apex. Plan is same for the LB. Do you see any problems with this arrangement? I want to use the MFJ auto tuner on the LB and eliminate the manual Versa Tuner completely. The MFJ auto tuner is supposed to be able to handle a huge range of impedance up to 3200 ohms.

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com "In the Beginning, there was Spark Gap"
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----- Original Message -----
From: jim burns
To: ham-antennas@yahoogroups.com
Sent: Wednesday, July 23, 2008 8:53 PM
Subject: Re: [ham-antennas] RFI in the shack with Alpha-Delta DX-LB Plus

Hi Dan,
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To: ham-antennas@yahoogroups.com
Sent: Wednesday, July 23, 2008 6:15 PM
Subject: Re: [ham-antennas] RFI in the shack with Alpha-Delta DX-LB Plus

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From: jim burns
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Cc: don tyrrell
Sent: Wednesday, July 23, 2008 3:36 PM
Subject: Re: [ham-antennas] RFI in the shack with Alpha-Delta DX-LB Plus

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From: Stan Labinsky Jr.
To: ham-antennas@yahoogroups.com
Sent: Wednesday, July 23, 2008 2:28 PM
Subject: Re: [ham-antennas] RFI in the shack with Alpha-Delta DX-LB Plus

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----- Original Message -----
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To: ham-antennas@yahoogroups.com
Sent: Wednesday, July 23, 2008 11:47 AM
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5412. Re: [ham-antennas] RFI in the shack with Alpha-Delta DX-LB Plus

Yahoo group: ham-antennas (2008)
Date: 2008-07-24 03:43:07 UTC
From: Leonard K. Pennock
Topic: 5393 Message: 5412

When operating at high antenna SWR the voltages that can be produced can exceed the break down voltage of capsule. The tuner allows the radio to deliver full power when the antenna SWR is high.

Dan Schaaf wrote:
> Why does the plug short when using a tuner?
>
> Best Regards
> Dan Schaaf
> K3ZXL www.k3zxl.com "In the Beginning, there was Spark Gap"
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> NOBSKA
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> ----- Original Message -----
> From: Leonard K. Pennock
> To: ham-antennas@yahoogroups.com
> Sent: Wednesday, July 23, 2008 6:34 PM
> Subject: Re: [ham-antennas] RFI in the shack with Alpha-Delta DX-LB Plus
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> >
> > They use stray capacitance in the coils to form a trap circuit, hence,
> > they have no caps but are still a trap.
> >
> > Dan Schaaf wrote:
> >> Jim
> >>
> >> Sounds like you are technically savvy on this antenna. I read a post where a ham had problems with the DX-LB and when he removed the arc plug, it worked great. Any comments on this?
> >>
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> >>
> >>
> >> Best Regards
> >> Dan Schaaf
> >> K3ZXL www.k3zxl.com "In the Beginning, there was Spark Gap"
> >
>
> --
> Leonard K. Pennock
> AD7AS
>
> Those who walk bravely through life, unafraid of loss or failure,
> find that they very rarely lose or fail.
>
>
>
>
> [Non-text portions of this message have been removed]
>
>
> ----------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 974 members (as of 11/07/07, and attachments are NOT permitted.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
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5413. RE: [ham-antennas] Wire

Yahoo group: ham-antennas (2008)
Date: 2008-07-24 13:32:07 UTC
From: G B
Topic: 5397 Message: 5413

Rich,

In fact many toroid balun designs specify Teflon sleeving over solid wire. One, for the
correct impedance, and two, for the higher breakdown voltage.

73's

Glen K4KV

-----Original Message-----
From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]On Behalf Of Rich Schmuke
Sent: Wednesday, July 23, 2008 4:21 PM
To: Rich Schmuke
Subject: [ham-antennas] Wire

I often see a note about the use of Teflon wire for baluns . Does any know a reason why TefzelR ETFE insulated wire would not be as good or better because the dielectric strength is even higher and the main reason it I have some wire on hand. Ref wire type M22759/16 (12ga)

Rich , Kd0zz

As an act of plagiarism . Disclaimer: Any errors in spelling or facts are transmission errors.

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

5414. Re: [ham-antennas] RFI in the shack with Alpha-Delta DX-LB Plus

Yahoo group: ham-antennas (2008)
Date: 2008-07-24 14:20:12 UTC
From: jim burns
Topic: 5393 Message: 5414

Dan,
I think your planned system as described should work very well for you. Good luck with it !
Jim, WB4ILP

----- Original Message -----
From: Dan Schaaf
To: ham-antennas@yahoogroups.com
Sent: Wednesday, July 23, 2008 10:17 PM
Subject: Re: [ham-antennas] RFI in the shack with Alpha-Delta DX-LB Plus

Jim

Thanks for the info.

Presently I use the 102 ft G5RV on 80 and 160. Too short for 160 but it works well enuf to get a clean sweep on VP6DX. The short lengtrh on 160 means a lot of tuner adjustements. I also use teh G5RV on 60 meters with the tuner.

My plan is to use the DXLB on 160, 80 and 60 meters. I plan to use a tuner again on teh LB and am hoping that it will perform equally well on 60 as the G5RV does. (Worled AH2L on teh g5rv on 60 m.

The G5RV is mounted as inverted V 30 ft at teh apex. Plan is same for the LB. Do you see any problems with this arrangement? I want to use the MFJ auto tuner on the LB and eliminate the manual Versa Tuner completely. The MFJ auto tuner is supposed to be able to handle a huge range of impedance up to 3200 ohms.

Best Regards
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NOBSKA
www.nobska.net
==========
Cape Cod Instruments
www.oceanbiz.net
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----- Original Message -----
From: jim burns
To: ham-antennas@yahoogroups.com
Sent: Wednesday, July 23, 2008 8:53 PM
Subject: Re: [ham-antennas] RFI in the shack with Alpha-Delta DX-LB Plus

Hi Dan,
Yes, I know a little about this antenna as I have worked for Alpha Delta for 15 years now.
I'm sorry if my response sounded like an advertisement; it wasn't meant to be.
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drain off a static charge once it reaches a critical level. Also, it could be argued that the device provides some degree of protection from lightning induced surges although since there is a relatively long path to ground through the coax shield and since that ground may be your radio's chassis, lightning protection should be provided nearer to a heavy grounded point such as at the point where the coax enters the shack. The problem sometimes encountered with the SEP is that many hams use tuners to feed the antenna and thus get power into the antenna at relatively high SWR's at the feedpoint. If you can tolerate the feedline losses at these elevated SWR levels all is OK unless the high SWR causes the RF voltage at the feedpoint to exceed the breakdown voltage of the SEP cartridge which is 1KVDC. At transciever power levels (100W - 200W) this is not a problem even with moderate SWR but, as power and SWR increase, the gas tube can go into conduction which produces a "short" at the antenna feedpoint. This, of course, isn't good but the tube quinches as soon as the power is removed. This sometimes happens only on modulation peaks. Since the DXLB and DXLB+ cover 160M with a narrow 2:1 bandwidth (typically 20 KHz) most operators are using a tuner to get some extra bandwidth. Considering that the SEP was being driven into conduction quite often on the DXLB and DXLB+ due to a combination of power and SWR from the use of tuners, the LB series is no longer shipped from the factory with the SEP installed. It's an easy job to remove the SEP on earlier models but there is no reason to do so at moderate power and SWR levels where the problem has not been observed.
Regarding the inductors as to whether they are loading coils or traps, the answer is simple, they are both. The inductors act as loading coils to make an electrically short section of wire resonate at the desired frequency. Also, at another range of frequencies, for instance 7 MHz to 7.3 MHz (40M trap, 80M/160M loading coil), they act as traps, actually resonating with the distributed capactance of the inductor's windings. No trap capacitor to blow !
I hope this explanation is helpful and I apologize for being "longwinded".
Jim, WB4ILP

----- Original Message -----
From: Dan Schaaf
To: ham-antennas@yahoogroups.com
Sent: Wednesday, July 23, 2008 6:15 PM
Subject: Re: [ham-antennas] RFI in the shack with Alpha-Delta DX-LB Plus

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From: jim burns
To: ham-antennas@yahoogroups.com
Cc: don tyrrell
Sent: Wednesday, July 23, 2008 3:36 PM
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From: Dan Schaaf
To: ham-antennas@yahoogroups.com
Sent: Wednesday, July 23, 2008 4:04 PM
Subject: Re: [ham-antennas] RFI in the shack with Alpha-Delta DX-LB Plus

Hello all,

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1) it is a tuned dipole
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3) Since it is a shortened dipole, the bandwidth ought to be narrow.
4) Since it is coax fed, the shield should not be part of the antenna.

Please tell me if I misunderstand this antenna design.

BTW, My 102 ft G5RV crashes my Internet Wireless router when I operate on 160 meters. It was not meant to operate on 160. It is half the length of the 160 m version of G5RV.

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----- Original Message -----
From: Stan Labinsky Jr.
To: ham-antennas@yahoogroups.com
Sent: Wednesday, July 23, 2008 2:28 PM
Subject: Re: [ham-antennas] RFI in the shack with Alpha-Delta DX-LB Plus

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Adding that choke removed the feed line from being part of "the" antenna as witnessed by your T1 not being RFI'd anymore.

Just for chuckles, try moving the balun loser to the shack, that way you might be able to reintroduce some of the shield back into functioning as part of the antenna while still keeping the rf from getting to the T1 line. I know, it sounds a bit like witchcraft, but isn't that what being a ham is about? Messing around with something till it works the way we want? Or until we learn, "that it just ain't gonna work that way".

Just a thought, or two.

Stan

----- Original Message -----
From: Darryl Wagoner
To: ham-antennas@yahoogroups.com
Sent: Wednesday, July 23, 2008 11:47 AM
Subject: [ham-antennas] RFI in the shack with Alpha-Delta DX-LB Plus

Greetings,

I just picked up an Alpha-Delta DX-LB Plus dipole. This dipole is a coax center feed.

Based upon information from http://www.k8dns.com/balun.html I created a RF air core choke with an 8" sonan(sp) tube and wrapped about 15 feet around it or about 8 turns.

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1. It is deaf on 20 and above and not great on 80 & 40.
2. Tunning range is very short, maybe 25-50 kc and I have to retune.

One guess I have is the choke is too close to the dipole.

Suggestions? Ideas?

thanks and 73
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Darryl Wagoner
DE WA1GON

LoTW DX/WAS nets - Easy way to chase paper

http://groups.yahoo.com/group/LoTW-Nets/join

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5415. Re: [ham-antennas] RFI in the shack with Alpha-Delta DX-LB Plus

Yahoo group: ham-antennas (2008)
Date: 2008-07-24 15:14:09 UTC
From: Dan Schaaf
Topic: 5393 Message: 5415

Well, Jim, if Alpha Delta ever wants someone to Beta Test a 160/80/60 and possibly 40 m DX-LB, I will be happy to do it.
I have 35 countries on 60 meters since last September and popularity worldwide is growing.

Best Regards
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----- Original Message -----
From: jim burns
To: ham-antennas@yahoogroups.com
Sent: Thursday, July 24, 2008 10:20 AM
Subject: Re: [ham-antennas] RFI in the shack with Alpha-Delta DX-LB Plus

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Sent: Wednesday, July 23, 2008 10:17 PM
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From: Dan Schaaf
To: ham-antennas@yahoogroups.com
Sent: Wednesday, July 23, 2008 6:15 PM

Subject: Re: [ham-antennas] RFI in the shack with Alpha-Delta DX-LB Plus

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Sent: Wednesday, July 23, 2008 3:36 PM
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5416. Re: [ham-antennas] RFI in the shack with Alpha-Delta DX-LB Plus

Yahoo group: ham-antennas (2008)
Date: 2008-07-24 17:49:26 UTC
From: jim burns
Topic: 5393 Message: 5416

Hey Dan,
I'll keep that in mind.
Jim

----- Original Message -----
From: Dan Schaaf
To: ham-antennas@yahoogroups.com
Sent: Thursday, July 24, 2008 12:14 PM
Subject: Re: [ham-antennas] RFI in the shack with Alpha-Delta DX-LB Plus

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2) It is designed for 160, 80 and 40 meters, not 20 m.
3) Since it is a shortened dipole, the bandwidth ought to be narrow.
4) Since it is coax fed, the shield should not be part of the antenna.

Please tell me if I misunderstand this antenna design.

BTW, My 102 ft G5RV crashes my Internet Wireless router when I operate on 160 meters. It was not meant to operate on 160. It is half the length of the 160 m version of G5RV.

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com "In the Beginning, there was Spark Gap"

----- Original Message -----
From: Stan Labinsky Jr.
To: ham-antennas@yahoogroups.com
Sent: Wednesday, July 23, 2008 2:28 PM
Subject: Re: [ham-antennas] RFI in the shack with Alpha-Delta DX-LB Plus

While I don't know the antenna you mentioned, may it just be that it's working more like should?

Adding that choke removed the feed line from being part of "the" antenna as witnessed by your T1 not being RFI'd anymore.

Just for chuckles, try moving the balun loser to the shack, that way you might be able to reintroduce some of the shield back into functioning as part of the antenna while still keeping the rf from getting to the T1 line. I know, it sounds a bit like witchcraft, but isn't that what being a ham is about? Messing around with something till it works the way we want? Or until we learn, "that it just ain't gonna work that way".

Just a thought, or two.

Stan

----- Original Message -----
From: Darryl Wagoner
To: ham-antennas@yahoogroups.com
Sent: Wednesday, July 23, 2008 11:47 AM
Subject: [ham-antennas] RFI in the shack with Alpha-Delta DX-LB Plus

Greetings,

I just picked up an Alpha-Delta DX-LB Plus dipole. This dipole is a
coax center feed.

Based upon information from http://www.k8dns.com/balun.html I created a RF air core choke with an 8" sonan(sp) tube and wrapped about 15 feet around it or about 8 turns.

It cleared up the RFI problem that was causing my T1 Internet line to crash, but now I have 2 new problems:

1. It is deaf on 20 and above and not great on 80 & 40.
2. Tunning range is very short, maybe 25-50 kc and I have to retune.

One guess I have is the choke is too close to the dipole.

Suggestions? Ideas?

thanks and 73
--

Darryl Wagoner
DE WA1GON

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http://www.secretsofthemillionairemind.com/a/?wid=603891

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5417. Alpha Delta DX-EE

Yahoo group: ham-antennas (2008)
Date: 2008-07-24 18:28:26 UTC
From: Kurt
Topic: 5417 Message: 5417

Hello to All;
Looking for information on the DX-EE, the good/bad and ugly. I have read the reviews on eham and QRZ, just looking to a little more insite to this antenna, as I am thinking of getting one.

73
Kurt
K8YZK

5418. Re: [ham-antennas] Alpha Delta DX-EE

Yahoo group: ham-antennas (2008)
Date: 2008-07-24 18:59:58 UTC
From: Darryl Wagoner
Topic: 5417 Message: 5418

I don't know about the DX-EE, but I was amazed at how well my DX-LB+ did when I got it. I had a Van Gordon all bander which didn't perform 1/4 as well. This may have been due to the window line running too near metal or other stuff. Which is one of the reasons I switched to Alpha-Delta. I wanted to get away from the window line. Window/ladder line seems too much like black magic to me.

When I went to HRO to buy my amp and dipole, my intent was to get a B&W folding dipole. I guess B&W no longer sales thur HRO and one of the sales people there had high praise for A/D dipoles. I think he had a DX-EE and was working QRP DX. This was my first Alpha-Delta produce, but I don't think it is going to be my last.

Hope this helps.

73
--

Darryl Wagoner
DE WA1GON

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Kurt wrote:
>
>
> Hello to All;
> Looking for information on the DX-EE, the good/bad and ugly. I have
> read the reviews on eham and QRZ, just looking to a little more insite
> to this antenna, as I am thinking of getting one.
>
> 73
> Kurt
> K8YZK
>

5419. New file uploaded to ham-antennas

Yahoo group: ham-antennas (2008)
Date: 2008-07-24 21:26:09 UTC
From: ham-antennas@yahoogroups.com
Topic: 389 Message: 5419

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the ham-antennas
group.

File : /ptonants.pdf
Uploaded by : k5jxl <k5jxl@...>
Description : Straight Talk About Gain

You can access this file at the URL:
http://groups.yahoo.com/group/ham-antennas/files/ptonants.pdf

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/members/web/index.htmlfiles

Regards,

k5jxl <k5jxl@...>

5420. 80mtr vertical out od a silver rod

Yahoo group: ham-antennas (2008)
Date: 2008-07-24 21:40:30 UTC
From: brendan4933
Topic: 5420 Message: 5420

Hi group

I would like to try and make a 80mtr vertical out of a silver rod.
Has anyone tried this, if so what was there results, and how did you
do it.
For example: how long was the vertical,what was the coil spec, and
did you leave the 50om matching coil in line. Could you work 40 and
20 mtr though a tuner.

Thanks group

Brendan 2E0BDS (Sunny England for once)

5421. Re: [ham-antennas] RFI in the shack with Alpha-Delta DX-LB Plus

Yahoo group: ham-antennas (2008)
Date: 2008-07-24 22:23:38 UTC
From: Pat Turner
Topic: 5393 Message: 5421

Dan, are you using the Alpha Delta? Or some other antenna ? Just a little confused and wondering.
thanks
Pat Turner, AJ4II

--- On Thu, 7/24/08, Dan Schaaf <dan-schaaf@...> wrote:

From: Dan Schaaf <dan-schaaf@...>
Subject: Re: [ham-antennas] RFI in the shack with Alpha-Delta DX-LB Plus
To: ham-antennas@yahoogroups.com
Date: Thursday, July 24, 2008, 3:14 PM

Well, Jim, if Alpha Delta ever wants someone to Beta Test a 160/80/60 and possibly 40 m DX-LB, I will be happy to do it.
I have 35 countries on 60 meters since last September and popularity worldwide is growing.

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com "In the Beginning, there was Spark Gap"
==========
NOBSKA
www.nobska.net
==========
Cape Cod Instruments
www.oceanbiz.net
==========
----- Original Message -----
From: jim burns
To: ham-antennas@yahoogroups.com
Sent: Thursday, July 24, 2008 10:20 AM
Subject: Re: [ham-antennas] RFI in the shack with Alpha-Delta DX-LB Plus

Dan,
I think your planned system as described should work very well for you. Good luck with it !
Jim, WB4ILP

----- Original Message -----
From: Dan Schaaf
To: ham-antennas@yahoogroups.com
Sent: Wednesday, July 23, 2008 10:17 PM
Subject: Re: [ham-antennas] RFI in the shack with Alpha-Delta DX-LB Plus

Jim

Thanks for the info.

Presently I use the 102 ft G5RV on 80 and 160. Too short for 160 but it works well enuf to get a clean sweep on VP6DX. The short lengtrh on 160 means a lot of tuner adjustements. I also use teh G5RV on 60 meters with the tuner.

My plan is to use the DXLB on 160, 80 and 60 meters. I plan to use a tuner again on teh LB and am hoping that it will perform equally well on 60 as the G5RV does. (Worled AH2L on teh g5rv on 60 m.

The G5RV is mounted as inverted V 30 ft at teh apex. Plan is same for the LB. Do you see any problems with this arrangement? I want to use the MFJ auto tuner on the LB and eliminate the manual Versa Tuner completely. The MFJ auto tuner is supposed to be able to handle a huge range of impedance up to 3200 ohms.

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com "In the Beginning, there was Spark Gap"
==========
NOBSKA
www.nobska.net
==========
Cape Cod Instruments
www.oceanbiz.net
==========
----- Original Message -----
From: jim burns
To: ham-antennas@yahoogroups.com
Sent: Wednesday, July 23, 2008 8:53 PM
Subject: Re: [ham-antennas] RFI in the shack with Alpha-Delta DX-LB Plus

Hi Dan,
Yes, I know a little about this antenna as I have worked for Alpha Delta for 15 years now. I'm sorry if my response sounded like an advertisement; it wasn't meant to be.
The SEP cartridge which is located in the center insulator contains a gas tube which will drain off a static charge once it reaches a critical level. Also, it could be argued that the device provides some degree of protection from lightning induced surges although since there is a relatively long path to ground through the coax shield and since that ground may be your radio's chassis, lightning protection should be provided nearer to a heavy grounded point such as at the point where the coax enters the shack. The problem sometimes encountered with the SEP is that many hams use tuners to feed the antenna and thus get power into the antenna at relatively high SWR's at the feedpoint. If you can tolerate the feedline losses at these elevated SWR levels all is OK unless the high SWR causes the RF voltage at the feedpoint to exceed the breakdown voltage of the SEP cartridge which is 1KVDC. At transciever power levels (100W - 200W) this is not a problem even with moderate SWR but, as power and SWR increase, the gas tube can go into conduction which produces a "short" at the antenna feedpoint. This, of course, isn't good but the tube quinches as soon as the power is removed. This sometimes happens only on modulation peaks. Since the DXLB and DXLB+ cover 160M with a narrow 2:1 bandwidth (typically 20 KHz) most operators are using a tuner to get some extra bandwidth. Considering that the SEP was being driven into conduction quite often

on the DXLB and DXLB+ due to a combination of power and SWR from the use of tuners, the LB series is no longer shipped from the factory with the SEP installed. It's an easy job to remove the SEP on earlier models but there is no reason to do so at moderate power and SWR levels where the problem has not been observed.
Regarding the inductors as to whether they are loading coils or traps, the answer is simple, they are both. The inductors act as loading coils to make an electrically short section of wire resonate at the desired frequency. Also, at another range of frequencies, for instance 7 MHz to 7.3 MHz (40M trap, 80M/160M loading coil), they act as traps, actually resonating with the distributed capactance of the inductor's windings. No trap capacitor to blow !
I hope this explanation is helpful and I apologize for being "longwinded".
Jim, WB4ILP

----- Original Message -----
From: Dan Schaaf
To: ham-antennas@yahoogroups.com
Sent: Wednesday, July 23, 2008 6:15 PM
Subject: Re: [ham-antennas] RFI in the shack with Alpha-Delta DX-LB Plus

Jim

Sounds like you are technically savvy on this antenna. I read a post where a ham had problems with the DX-LB and when he removed the arc plug, it worked great. Any comments on this?

Also, are those loading coils or traps on this antenna? If loading coils, how do they make the antenna resonate on 40 and 80 without trap capacitors?

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com "In the Beginning, there was Spark Gap"
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www.nobska.net
==========
Cape Cod Instruments
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==========
----- Original Message -----
From: jim burns
To: ham-antennas@yahoogroups.com
Cc: don tyrrell
Sent: Wednesday, July 23, 2008 3:36 PM
Subject: Re: [ham-antennas] RFI in the shack with Alpha-Delta DX-LB Plus

Hi Dan,
The DXLB is a shortened dipole for 160, 80, 40M and does have a higher "Q" and thus a narrower BW than full length dipoles. Typical 2:1 SWR BW is 160M/20Khz, 80M/50 Khz and 40M/75Khz and, of course, this varies with installation and site. The various elements starting with 40M may be tuned

(length adjusted) to center the <2:1 SWR segment on your preferred operating range and, of course, a tuner, either wide range outboard or 3:1 built-in, may be used to increase the usable BW. Any convenient 1:1 balun or current choke such as 8 turns X 8" of the coax can be used effectively to decouple the feedline from the antenna if this is deemed necessary (not always required but never a bad idea). For coverage of 20, 15 and 10M there is the DX-LB Plus; same as the DX-LB but with two (2) underslung elements to cover these additional bands.
Jim, WB4ILP

----- Original Message -----
From: Dan Schaaf
To: ham-antennas@yahoogroups.com
Sent: Wednesday, July 23, 2008 4:04 PM
Subject: Re: [ham-antennas] RFI in the shack with Alpha-Delta DX-LB Plus

Hello all,

I have been looking at the LB with great interest, but as I understand:

1) it is a tuned dipole
2) It is designed for 160, 80 and 40 meters, not 20 m.
3) Since it is a shortened dipole, the bandwidth ought to be narrow.
4) Since it is coax fed, the shield should not be part of the antenna.

Please tell me if I misunderstand this antenna design.

BTW, My 102 ft G5RV crashes my Internet Wireless router when I operate on 160 meters. It was not meant to operate on 160. It is half the length of the 160 m version of G5RV.

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com "In the Beginning, there was Spark Gap"

----- Original Message -----
From: Stan Labinsky Jr.
To: ham-antennas@yahoogroups.com
Sent: Wednesday, July 23, 2008 2:28 PM
Subject: Re: [ham-antennas] RFI in the shack with Alpha-Delta DX-LB Plus

While I don't know the antenna you mentioned, may it just be that it's working more like should?

Adding that choke removed the feed line from being part of "the" antenna as witnessed by your T1 not being RFI'd anymore.

Just for chuckles, try moving the balun loser to the shack, that way you might be able to reintroduce some of the shield back into functioning as part of the antenna while still keeping the rf from getting to the T1 line. I know, it sounds a bit like witchcraft, but isn't that what being a ham is about? Messing around with something till it works the way we want? Or until we learn, "that it just ain't gonna work that way".

Just a thought, or two.

Stan

----- Original Message -----
From: Darryl Wagoner
To: ham-antennas@yahoogroups.com
Sent: Wednesday, July 23, 2008 11:47 AM
Subject: [ham-antennas] RFI in the shack with Alpha-Delta DX-LB Plus

Greetings,

I just picked up an Alpha-Delta DX-LB Plus dipole. This dipole is a coax center feed.

Based upon information from http://www.k8dns.com/balun.html I created a RF air core choke with an 8" sonan(sp) tube and wrapped about 15 feet around it or about 8 turns.

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1. It is deaf on 20 and above and not great on 80 & 40.
2. Tunning range is very short, maybe 25-50 kc and I have to retune.

One guess I have is the choke is too close to the dipole.

Suggestions? Ideas?

thanks and 73
--

Darryl Wagoner
DE WA1GON

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ALL 974 members (as of 11/07/07, and attachments are NOT permitted.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

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5422. Of

Yahoo group: ham-antennas (2008)
Date: 2008-07-25 07:30:28 UTC
From: Ken Kaelin
Topic: 5422 Message: 5422

Ken Kaelin
KC9NSP
kc9nsp@...
kc9nsp@...
630-546-9545

5423. Re: 80mtr vertical out od a silver rod

Yahoo group: ham-antennas (2008)
Date: 2008-07-25 14:08:49 UTC
From: billncolo36
Topic: 5420 Message: 5423

Why silver?? Seems like a very expensive way to build a verticle. The difference in resistivity (Silver=1.59 vs Copper=1.72) is negligible. I think you would have much better efficiency and bandwidth if you used large diameter metal tubing and not worry about the small difference in resistance of the material used.
Bill
N0CU

--- In ham-antennas@yahoogroups.com, "brendan4933" <familysykes@...>
wrote:
>
> Hi group
>
> I would like to try and make a 80mtr vertical out of a silver rod.
> Has anyone tried this, if so what was there results, and how did you
> do it.
> For example: how long was the vertical,what was the coil spec, and
> did you leave the 50om matching coil in line. Could you work 40 and
> 20 mtr though a tuner.
>
> Thanks group
>
> Brendan 2E0BDS (Sunny England for once)
>

5424. Re: DX-LB Plus with RF choke

Yahoo group: ham-antennas (2008)
Date: 2008-07-25 18:32:04 UTC
From: Darryl Wagoner
Topic: 5424 Message: 5424

Don and the group,

I just switched coax and as expected the DX-LB Plus is no longer deaf on 20 meters. Before I changed the coax I could switch from the beam to the dipole and I wouldn't hear anything. Now I can switch from the beam to the dipole and I am now hard press to tell the difference.

I still have some RFI in the shack. It is down a lot, but still on 75 and 40 meters. The RF choke is now only about 6" in dia. I don't know if that makes a difference or not.

I am going to try to shorting the run from the T1 smartjack to router which I hope will help in two ways, 1) It will get the router farther away from the feed line and two it will shorting the cat5 length.

Any other suggests would be welcome.

thanks and 73

--

Darryl Wagoner
DE WA1GON

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5425. Re: [ham-antennas] Re: DX-LB Plus with RF choke

Yahoo group: ham-antennas (2008)
Date: 2008-07-25 19:38:48 UTC
From: Dan Schaaf
Topic: 5424 Message: 5425

If you still have RF in the shack, take a look at your grounding scheme.

Invariably, RF in the shack will also get into your transmitted signal and you will get lousy reports on SSB and even CW and in digital modes you will clobber the band with spurious emissions.

I had RF in the shack once and instead of people being polite and informing me and maybe even offering advice, they would just call me a LID on SSB or on CW. This is infuriating. Makes my blood boil. One guy, a tech rep for Icom heard my signal and actually emailed me and discussed the problem, offered suggestions and ultimately I resolved the problem.

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com "In the Beginning, there was Spark Gap"

----- Original Message -----
From: Darryl Wagoner
To: Don Tyrrell ; ham-antennas@yahoogroups.com
Cc: Jim burns
Sent: Friday, July 25, 2008 2:32 PM
Subject: [ham-antennas] Re: DX-LB Plus with RF choke

Don and the group,

I just switched coax and as expected the DX-LB Plus is no longer deaf on 20 meters. Before I changed the coax I could switch from the beam to the dipole and I wouldn't hear anything. Now I can switch from the beam to the dipole and I am now hard press to tell the difference.

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thanks and 73

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Darryl Wagoner
DE WA1GON

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[Non-text portions of this message have been removed]

5426. Re: [ham-antennas] Re: DX-LB Plus with RF choke

Yahoo group: ham-antennas (2008)
Date: 2008-07-25 20:08:17 UTC
From: Darryl Wagoner
Topic: 5424 Message: 5426

Hi Dan and the group,

I am getting good signal reports. I have 8 ga aluminum wire running to
a ground rod outside my shack and 12 ga copper wire from my equipment to
the grounding bar that the aluminum wire is connected.

Even the computer speaks aren't picking up the RFI, just the T1 line.
Would making another rf choke with the coax closer to the shack help?

What about putting foil around the coax in the shack and grounding it help?

thanks

--

Darryl Wagoner
DE WA1GON

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5427. Re: [ham-antennas] Re: DX-LB Plus with RF choke

Yahoo group: ham-antennas (2008)
Date: 2008-07-25 20:15:18 UTC
From: Dan Schaaf
Topic: 5424 Message: 5427

Is it the T1 line itself that is picking up RF or is it a wireless hub? If you connect the LAN cable direct from T1 to PC and turn off power to the wireless hub, does the problem go away?

Maybe the AC/DC Wall Wart on the T1 or Wireless hub is picking up RF. Maybe some Ferrite clamp on cores on the Wall Wart cord will fix it. I saw an article in QST where a Wall Wart was radiating trash into the author's rig. But maybe the reverse can happen also.

My problem only occurs on 160 meters using a G5RV. 80 and 60 meters are OK on the same antenna. I Never use the G5RV on any other band.

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com "In the Beginning, there was Spark Gap"

----- Original Message -----
From: Darryl Wagoner
To: ham-antennas@yahoogroups.com
Sent: Friday, July 25, 2008 4:08 PM
Subject: Re: [ham-antennas] Re: DX-LB Plus with RF choke

Hi Dan and the group,

I am getting good signal reports. I have 8 ga aluminum wire running to
a ground rod outside my shack and 12 ga copper wire from my equipment to
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--

Darryl Wagoner
DE WA1GON

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[Non-text portions of this message have been removed]

5428. Re: [ham-antennas] Re: DX-LB Plus with RF choke

Yahoo group: ham-antennas (2008)
Date: 2008-07-25 20:22:35 UTC
From: Dan Schaaf
Topic: 5424 Message: 5428

BTW, 8 ga aluminum wire may not be good enough for RF grounding. The recommendations seem to be tin plated copper flat braid 1 1/2 inches wide. Remember that RF travels on the outside of a conductor and copper is a better conductor that aluminum for RF. Braid has many conductors, better for moving RF to ground.
Is the outside ground rod also connected to the ground rod where the AC mains come into the house? It should be but not always convenient.

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com "In the Beginning, there was Spark Gap"

----- Original Message -----
From: Darryl Wagoner
To: ham-antennas@yahoogroups.com
Sent: Friday, July 25, 2008 4:08 PM
Subject: Re: [ham-antennas] Re: DX-LB Plus with RF choke

Hi Dan and the group,

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Darryl Wagoner
DE WA1GON

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[Non-text portions of this message have been removed]

5429. RE: [ham-antennas] Re: DX-LB Plus with RF choke

Yahoo group: ham-antennas (2008)
Date: 2008-07-25 20:31:14 UTC
From: James M.(Jim) Geidl
Topic: 5424 Message: 5429

Darryl,

In another life I was VP of Ops for a couple phone companies. At some locations we would encounter stray RF on T1's. WE use ferrite beads on both ends of the T1 lines and the problem went away...with one exception. At one location we discovered a bad MUX. We changed it and added the beads and all was well.

Jim, K6JMG
//

> [mailto:ham-antennas@yahoogroups.com] On Behalf Of Darryl Wagoner
> Sent: Friday, July 25, 2008 1:08 PM
> To: ham-antennas@yahoogroups.com
> Subject: Re: [ham-antennas] Re: DX-LB Plus with RF choke
>
> Hi Dan and the group,
>
> I am getting good signal reports. I have 8 ga aluminum wire
> running to
> a ground rod outside my shack and 12 ga copper wire from my
> equipment to the grounding bar that the aluminum wire is connected.
>
> Even the computer speaks aren't picking up the RFI, just the T1 line.
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>
> What about putting foil around the coax in the shack and
> grounding it help?
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> thanks
>
> --
>
> Darryl Wagoner
> DE WA1GON

5430. Re: [ham-antennas] Re: DX-LB Plus with RF choke

Yahoo group: ham-antennas (2008)
Date: 2008-07-25 20:51:44 UTC
From: Darryl Wagoner
Topic: 5424 Message: 5430

It is the T1 line itself. I have 2 wireless routers, but is being feed via ethernet. On a side note, when I tune to 6 meters on my A3S it will crash the wireless router which is about 30 ft above the A3S beam.

I put shielded cat5 cable between the T1 Smart jack and the router CSU port.

I will try the ferrite beads next. It is like 95% fixed. Before when it hit the autotune on the 746 it would crash the T1, sometimes hard enough to require a router reboot to solve the problem.

Now it just seems to drop carrier and come right back up.

Thanks for all your help!

-darryl

Dan Schaaf wrote:

> Is it the T1 line itself that is picking up RF or is it a wireless hub?
> If you connect the LAN cable direct from T1 to PC and turn off power to
> the wireless hub, does the problem go away?

5431. Re: [ham-antennas] Re: DX-LB Plus with RF choke

Yahoo group: ham-antennas (2008)
Date: 2008-07-25 21:19:44 UTC
From: Dan Schaaf
Topic: 5424 Message: 5431

Almost sounds like another bad RF connection. Maybe a cold solder joint on a coax connector. The cold joint will have an impedance which will develop RF voltage across it.

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com "In the Beginning, there was Spark Gap"

----- Original Message -----
From: Darryl Wagoner
To: ham-antennas@yahoogroups.com
Sent: Friday, July 25, 2008 4:51 PM
Subject: Re: [ham-antennas] Re: DX-LB Plus with RF choke

It is the T1 line itself. I have 2 wireless routers, but is being feed via ethernet. On a side note, when I tune to 6 meters on my A3S it will crash the wireless router which is about 30 ft above the A3S beam.

I put shielded cat5 cable between the T1 Smart jack and the router CSU port.

I will try the ferrite beads next. It is like 95% fixed. Before when it hit the autotune on the 746 it would crash the T1, sometimes hard enough to require a router reboot to solve the problem.

Now it just seems to drop carrier and come right back up.

Thanks for all your help!

-darryl

Dan Schaaf wrote:

> Is it the T1 line itself that is picking up RF or is it a wireless hub?
> If you connect the LAN cable direct from T1 to PC and turn off power to
> the wireless hub, does the problem go away?

[Non-text portions of this message have been removed]

5432. Re: [ham-antennas] Re: DX-LB Plus with RF choke

Yahoo group: ham-antennas (2008)
Date: 2008-07-25 21:20:46 UTC
From: Dan Schaaf
Topic: 5424 Message: 5432

What you want to do is get to the root of the problem, whereas using ferrites may be a bandaid rather than a cure.

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com "In the Beginning, there was Spark Gap"
==========
NOBSKA
www.nobska.net
==========
Cape Cod Instruments
www.oceanbiz.net
==========
----- Original Message -----
From: Darryl Wagoner
To: ham-antennas@yahoogroups.com
Sent: Friday, July 25, 2008 4:51 PM
Subject: Re: [ham-antennas] Re: DX-LB Plus with RF choke

It is the T1 line itself. I have 2 wireless routers, but is being feed via ethernet. On a side note, when I tune to 6 meters on my A3S it will crash the wireless router which is about 30 ft above the A3S beam.

I put shielded cat5 cable between the T1 Smart jack and the router CSU port.

I will try the ferrite beads next. It is like 95% fixed. Before when it hit the autotune on the 746 it would crash the T1, sometimes hard enough to require a router reboot to solve the problem.

Now it just seems to drop carrier and come right back up.

Thanks for all your help!

-darryl

Dan Schaaf wrote:

> Is it the T1 line itself that is picking up RF or is it a wireless hub?
> If you connect the LAN cable direct from T1 to PC and turn off power to
> the wireless hub, does the problem go away?

[Non-text portions of this message have been removed]

5433. Re: [ham-antennas] Re: DX-LB Plus with RF choke

Yahoo group: ham-antennas (2008)
Date: 2008-07-25 21:30:50 UTC
From: Leonard K. Pennock
Topic: 5424 Message: 5433

Why don't you get some clamp on ferrites? Should dampen the RF coming
down the coax.

Darryl Wagoner wrote:
> Hi Dan and the group,
>
> I am getting good signal reports. I have 8 ga aluminum wire running to
> a ground rod outside my shack and 12 ga copper wire from my equipment to
> the grounding bar that the aluminum wire is connected.
>
> Even the computer speaks aren't picking up the RFI, just the T1 line.
> Would making another rf choke with the coax closer to the shack help?
>
> What about putting foil around the coax in the shack and grounding it help?
>
> thanks
>
> --
>
> Darryl Wagoner
> DE WA1GON
>
>
> LoTW DX/WAS nets - Easy way to chase paper
>
> http://groups.yahoo.com/group/LoTW-Nets/join
>
>
> Want a scholarship into the Millionaire Mind Intensive worth $2590?
> http://www.secretsofthemillionairemind.com/a/?wid=603891
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 974
members (as of 11/07/07, and attachments are NOT permitted.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>

--
Leonard K. Pennock
AD7AS

Those who walk bravely through life, unafraid of loss or failure,
find that they very rarely lose or fail.

5434. Re: [ham-antennas] Re: DX-LB Plus with RF choke

Yahoo group: ham-antennas (2008)
Date: 2008-07-25 21:49:21 UTC
From: Stan Labinsky Jr.
Topic: 5424 Message: 5434

You'd be much better off with 1.5" to 3" copper strap, or flashing. Over time, the strands of the braided cable can become dirty (for want of a better term) and begin to act like many fine wires in parallel, with an attendant rise in self inductance. The copper strap will have much more capacitance because of the large surface area which makes it a better low impedance conductor. See this all the time in lightning protection.
Aluminum should work just about as well, as long as you make sure it is well bonded and stays that way.

Another consideration, is the length of the grounding run. If the lead is a quarter wave long (or any odd quarter wavelength) at any of the frequencies you use, it will act more like an open circuit for RF. The inverse of that has been used to clean up hot transmitter chassis' by connecting a quarter wave length of wire to it, the far end left open. The chassis end actually forms a low impedance and can relieve some problems. Think of it as a single radial.

Stan

----- Original Message -----
From: Dan Schaaf
To: ham-antennas@yahoogroups.com
Sent: Friday, July 25, 2008 4:22 PM
Subject: Re: [ham-antennas] Re: DX-LB Plus with RF choke

BTW, 8 ga aluminum wire may not be good enough for RF grounding. The recommendations seem to be tin plated copper flat braid 1 1/2 inches wide. Remember that RF travels on the outside of a conductor and copper is a better conductor that aluminum for RF. Braid has many conductors, better for moving RF to ground.
Is the outside ground rod also connected to the ground rod where the AC mains come into the house? It should be but not always convenient.

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com "In the Beginning, there was Spark Gap"

----- Original Message -----
From: Darryl Wagoner
To: ham-antennas@yahoogroups.com
Sent: Friday, July 25, 2008 4:08 PM
Subject: Re: [ham-antennas] Re: DX-LB Plus with RF choke

Hi Dan and the group,

I am getting good signal reports. I have 8 ga aluminum wire running to
a ground rod outside my shack and 12 ga copper wire from my equipment to
the grounding bar that the aluminum wire is connected.

Even the computer speaks aren't picking up the RFI, just the T1 line.
Would making another rf choke with the coax closer to the shack help?

What about putting foil around the coax in the shack and grounding it help?

thanks

--

Darryl Wagoner
DE WA1GON

LoTW DX/WAS nets - Easy way to chase paper

http://groups.yahoo.com/group/LoTW-Nets/join

Want a scholarship into the Millionaire Mind Intensive worth $2590?
http://www.secretsofthemillionairemind.com/a/?wid=603891

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

5435. Extensive list of HT and HT related accessories FS

Yahoo group: ham-antennas (2008)
Date: 2008-07-26 13:02:50 UTC
From: Ken Simpson, W8EK
Topic: 5435 Message: 5435

Extensive list of HT and HT related accessories For Sale:

I know this is a long list; I have tried to group similar items together.

Alinco DJ-191, 2 meter HT
This unit has about everything except the kitchen sink in it. It has a very large, readable LCD display that I can read without my glasses! It has about 7 watts max output, and the receiver is great. It covers from 136 to 174 MHz, so it covers all of the weather and VHF public service frequencies. Of course it has memories and all sorts of scan features. Touchtones (DTMF) and PL (subaudible) tones are included.
This unit works 100% and looks extremely nice. It includes a good battery pack, belt clip, rubber duck, and paper work for $100.

Radio Shack 19-300 Battery pack for HT-202 and HTX-404
This is a good battery pack for the Realistic HTs. It also fits some of the Icom HTs such as the IC-2 AT, IC-02 AT, IC-4 AT, etc.
This is the 7.2 volt, 600 ma hour NiCad pack.
It works fine and looks great. $25

Icom BP-3 battery packs
I found four of the BP-3 battery packs that are all dead. These packs were used on the IC-2 AT, 3 AT, 4 AT, 02 AT, 03 AT, 04 AT, and maybe some others. They can also be used on the Radio Shack HT-202 and HTX-404, and maybe others.
All of these are dead, but if you need a battery shell, to put a new "insert" in to, it would be ideal. $8 each

Kenwood SMC-24 speaker microphone
Fits Kenwood TR-2400 HTs. $18

Hustler SF-2 antenna for 2 meters
This is a 5/8 wave antenna with about 3 db gain over a quarter wave antenna. It is about 4 feet long, and is made to screw into a standard 3/8 inch 24 thread mount.
It works fine and looks fine. $15

Hustler RSS-2 stainless steel resonator spring
Recommended by Hustler to go at the top of the masts used with HF resonators, and below the resonator, to prevent breakage, in case the resonator hits a tree limb.
This one looks very close to new. $10

Larsen VHF and UHF Mobile Antennas:

Larsen NLA-150, 2 meter antenna, for Larsen NLA mount
Has about 3 db gain on 2 m; includes whip. $16
As above, but without whip. $10

Larsen NLA-450 coil and "stacked" whip for 440 MHz
Fits the Larsen NLA mount, and has about 5 db gain on the
70 cm band. Stacked whip is included. $12

Larsen NLA-Q
Fits the Larsen NLA mount, but is a quarter wave antenna.
Can be cut for 2 m, 220 MHz, or 440 MHz. $7

Larsen Q
Fits a 5/16 inch stud, such as the Larsen LM mount, and others.
It can be cut for 2 meters, 220 MHz, or 450 MHz bands. $6

Larsen NMO-Q
Precut for 450 MHz. New, still in bag. $8

Larsen OM-450 coil, mount, and whip for 440 MHz
Made to mount on a flat surface
Includes "stacked" whip for 5 db gain on 450 MHz. $18

Avanti / Antenna Specialists "On Glass" antennas:

These antennas were made by Avanti, and then later by
Antenna Specialists, to mount on a windshield, or other
glass. They do not require a ground plane, as they are
1/2 wave antennas, rated to have 3 db gain. They are
ideal for places where a ground plane is not available,
such as a boat or motor home, in addition to cars. A
special tuning box is included to match to your particular
situation.

Antenna for 2 meters
This one is in extremely nice condition, with a new packet
of the special mounting glue that is furnished by Antenna
Specialists. $28

Avanti Antenna for 440 MHz
Still in its original tube, unopened. $33

Rubber Duck and telescoping antennas for your HT.
All are for 2 meters, are in good condition, and are $10
each, unless stated otherwise.

5/16 inch threaded, like used by Motorola and others - $10 each
Regular - 5.7 inches long
Stubby - 4 inches long

Type F connector - 6.5 inches long - $10

PL-259 connector - 6.5 inches long - $10
HyGain 275, still in original packaging

PL-259 connector - Stubby - 4.6 inches long - $10
Centurion, still in original package

Special for Kenwood TH-21 HT threaded connector
Aftermarket stubby, 3.5 inches long - $10
Kenwood RA-6 regular, 6.6 inches long - $12

Telescoping quarter wave antenna
This antenna extends to a full 19 inches, but telescopes down
to about 4 inches. It has about 6 db gain over the typical rubber
duck antenna, and has a PL-259 connector. $12

Quarter wave telescoping antenna
As above, but with a right angle bend in it, and PL-259
connector. $15

Belt Clips for various HTs
$8 each
Motorola, with hardware
Kenwood TR-2400, with hardware
Yaesu FT-209, with hardware

Wrist Straps for various HTs
$4 each
Kenwood TR-2400
Kenwood TH-21/31/41
Yaesu FT-209

Santec HT Accessories For Sale:

Leather Case for Santec HT
This is a real Bianchi Leather case -- not a vinyl case.
It fits most of the Santec HTs, such as the HT-1200,
ST-142, ST-144, ST-440, etc. The real leather case
includes a built in belt clip, plus a removable leather
shoulder strap.
The case itself is in very nice shape. The leather
shoulder strap has not been used. $25

Santec ST-142/144 "Service Pack"
This is similar to a service manual, but Santec calls it a
service pack. It has schematics, circuit explanations,
voltages, etc. $18

Kantronics Cable
This cable is made to plug in to the 9 pin DB-9 connector
that is on the back of many of Kantronics TNCs and other digital
units (KAM, KPC-3, and others), and is made to interface it to
the radio.
It has a DB-9 connector on one end, and is in extremely good condition.
The connectors are labeled "1" and "2", with "1" having a red 3.5

mm plug, a white 3.5 mm plug, and a black 2.5 mm plug. The "2" is the same as "1" except it does not have the white 3.5 mm plug. It is $20

Battery charge cable for Kenwood TR-2400 HT
This is an adapter that permits one to charge the battery of the Kenwood TR-2400, 2 meter HT, outside of the HT itself. Usually, one must have the battery inside the HT, but this lets you charge a second battery outside of the HT. The original charger is used. It is in good shape, and works fine. $3

BNC to PL-259 antenna adapter
For use with any HT that has a BNC connector (such as the DJ-191 above, but many others). It will convert the BNC connector on the HT, so that you can use a normal antenna with a PL-259 connector. Like new. $5

Antenna adapter for Kenwood TH-21 / 31 / 41 HTs
This adapts the antenna connector found on these HTs to a standard BNC connector. $4

Coax connectors and adapters:
Prices are per connector. Several of each are available. These are NOS (have not been used).

BNC male
standard type - $2
crimp on type - $3

Chassis mount BNC female
square mount (uses 4 screws) - $3
screw in type - $4

BNC 90 degree - female to male - $3

BNC "T" - two female and one male - $4

Antenna adapter to fit the BNC connector on the HT and provide an SO-239 connector that will permit a PL-259 to be attached. (BNC male to UHF female) $5

UHF Male (PL-259) to BNC female (opposite of above) $5

UHF double female "Barrel connector" (two SO-239 together) $3

UHF "T" connector with two female (SO-239) and one male (PL-259) connection - $5

Original Kenwood Operating Manuals For Sale:

All are original operating manuals in very nice, close to new condition, for Kenwood radios, unless stated otherwise.

Operating manual for TH-41A/BT/E, TH-31A/BT, TH-21A/BT/E
HTs for 440 MHz, 220 MHz and 2 meters $10

Operating manual for TH-225, 2 meter HT - Good condition $12

Operating manual for TM-221/421 2 m mobile $15

Operating manual for TR-2200, 2 meter "portable"
This is very similar to the Drake TR-22. $15

Operating manual for TR-2400, 2 meter HT $12

Operating manual for TR-2500, 2 meter HT $14

Operating manual for TR-2600, 2 meter HT $12

Service manual for Kenwood TR-2600 HT - $10

Operating manual for TW-4000 dual bander $15

Heavy duty power supply
Pyramid PS-35
This supply is good for 32 Amps Constant or 35 Amps Surge.
The output voltage is adjustable over a 12 to 15 volt range
with a multi turn pot. It has crowbar over voltage protection,
short circuit & thermal protection and features a pair of nice
large edgewise meters to measure output voltage and output
current. There is an internal fan. This is a very healthy, heavy
duty supply!
This particular unit works 100% and looks very close to new.
$135

Prices do not include shipping from Florida.

Thanks.

73,

Ken, W8EK

Ken Simpson
E-mail to W8EK@... or W8EK@...
Voice Phone (352) 732-8400

5436. Re: [ham-antennas] Re: 80mtr vertical out od a silver rod

Yahoo group: ham-antennas (2008)
Date: 2008-07-26 21:56:34 UTC
From: Phil Bader
Topic: 5420 Message: 5436

Resistance in material? RF uses "skin effect". Not DC current passing thru the rod. In survival situations even rope soaked in saltwater made an antenna. I agree with this respondent,use a larger diameter metalic tube for a good, wider band radiator and save the silver for the family cutlery!
Phil B
Philip Bader
Polk County School Board
Intercom & Fire Alarm Electronics Systems Tech
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakelandarc.org/
pbader@...

----- Original Message -----
From: billncolo36
To: ham-antennas@yahoogroups.com
Sent: Friday, July 25, 2008 10:08 AM
Subject: [ham-antennas] Re: 80mtr vertical out od a silver rod

Why silver?? Seems like a very expensive way to build a verticle. The difference in resistivity (Silver=1.59 vs Copper=1.72) is negligible. I think you would have much better efficiency and bandwidth if you used large diameter metal tubing and not worry about the small difference in resistance of the material used.
Bill
N0CU

--- In ham-antennas@yahoogroups.com, "brendan4933" <familysykes@...>
wrote:
>
> Hi group
>
> I would like to try and make a 80mtr vertical out of a silver rod.
> Has anyone tried this, if so what was there results, and how did you
> do it.
> For example: how long was the vertical,what was the coil spec, and
> did you leave the 50om matching coil in line. Could you work 40 and
> 20 mtr though a tuner.
>
> Thanks group
>
> Brendan 2E0BDS (Sunny England for once)
>

No virus found in this incoming message.
Checked by AVG - http://www.avg.com
Version: 8.0.138 / Virus Database: 270.5.3/1565 - Release Date: 7/21/2008 6:36 PM

Internal Virus Database is out of date.
Checked by AVG - http://www.avg.com
Version: 8.0.138 / Virus Database: 270.5.3/1565 - Release Date: 7/21/2008 6:36 PM

[Non-text portions of this message have been removed]

5437. Re: 80mtr vertical out od a silver rod

Yahoo group: ham-antennas (2008)
Date: 2008-07-27 15:41:11 UTC
From: Stewart
Topic: 5420 Message: 5437

Brendan,
It would seem that the replies so far are from Hams who weren't ever CB'ers or they would have known that a "silver rod" is a famous CB antenna that has been around for a long time & still manufactured.
Guys for your benefit, the silver rod antenna is made from aluminium tube in 1/2 & 5/8 Wave versions so around 20ft long?, with a base matching network.
Anyway at approx. 5 1/2 metres long you are in the ballpark for a 1/4 wave on 20M, but for 80M a little short bearing in mind that a 1/4 wave on 80M is 20Metres long. It is doable with a loading coil at the base or even in the centre if you split the antenna & fit a length of insulating rod to join the 2 halves & also to wind the coil on to, but how efficient would it be? Methinks not very & you will still need radials 1/4 wavelength long (20Metres) or a very good ground connection i.e. salt marsh.
You didn't mention if you want to make a base station antenna or a portable?
There are some designs built using fibre glass fishing poles with the coil wound on to the pole (Sandpiper do one), but again even a 10 metre long vertical on 80M is short, will have low radiation resistance, & narrow bandwidth. Sure, it will radiate, but not very well & you will need a very good ground or full-length radials. Now if you have any tall trees on your property then you could make a top-loaded vertical i.e. T-shape, suspended between the trees.
As for making it multi-band, that is a totally different ball-game that I won't get in to at the moment.

73, Stewart GM0GTU

5438. Re: 80mtr vertical out od a silver rod

Yahoo group: ham-antennas (2008)
Date: 2008-07-27 18:16:55 UTC
From: billncolo36
Topic: 5420 Message: 5438

Skin effect doesn't negate the importance of the material's conductivity. Try making a verticle out of a 2 inch diameter carbon tube!

--- In ham-antennas@yahoogroups.com, "Phil Bader" <PBADER@...> wrote:
>
> Resistance in material? RF uses "skin effect". Not DC current passing thru the rod. In survival situations even rope soaked in saltwater made an antenna. I agree with this respondent,use a larger diameter metalic tube for a good, wider band radiator and save the silver for the family cutlery!
> Phil B
> Philip Bader
> Polk County School Board
> Intercom & Fire Alarm Electronics Systems Tech
> Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006
> Amateur call: KI4NUC, Winter Haven, Fl.
> Member: Lakeland Amateur Radio Club
> http://www.lakelandarc.org/
> pbader@...
>
> ----- Original Message -----
> From: billncolo36
> To: ham-antennas@yahoogroups.com
> Sent: Friday, July 25, 2008 10:08 AM
> Subject: [ham-antennas] Re: 80mtr vertical out od a silver rod
>
>
> Why silver?? Seems like a very expensive way to build a verticle. The
> difference in resistivity (Silver=1.59 vs Copper=1.72) is negligible. I
> think you would have much better efficiency and bandwidth if you used
> large diameter metal tubing and not worry about the small difference in
> resistance of the material used.
> Bill
> N0CU
>
> --- In ham-antennas@yahoogroups.com, "brendan4933" <familysykes@>
> wrote:
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> > Hi group
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rod.
> > Has anyone tried this, if so what was there results, and how
did you
> > do it.
> > For example: how long was the vertical,what was the coil spec,
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> > did you leave the 50om matching coil in line. Could you work 40
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> > 20 mtr though a tuner.
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>
>
> [Non-text portions of this message have been removed]
>

5439. RE: [ham-antennas] Re: 80mtr vertical out od a silver rod

Yahoo group: ham-antennas (2008)
Date: 2008-07-27 22:48:41 UTC
From: Callum M0MCX
Topic: 5420 Message: 5439

Spiderbeam in Germany do an 18 meter long "fishing pole" which is full-sized on 80m (when you allow elevated radials to tune it).

I've personally tried an 80m vertical built onto a 10 meter pole - but with full-sized radials. I wasn't too impressed.

Callum McCormick

http://www.m0mcx.co.uk/

If you think education is expensive, try ignorance.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of billncolo36
Sent: 27 July 2008 19:17
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: 80mtr vertical out od a silver rod

Skin effect doesn't negate the importance of the material's conductivity. Try making a verticle out of a 2 inch diameter carbon tube!

--- In ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
, "Phil Bader" <PBADER@...> wrote:
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> Resistance in material? RF uses "skin effect". Not DC current passing thru the rod. In survival situations even rope soaked in saltwater made an antenna. I agree with this respondent,use a larger diameter metalic tube for a good, wider band radiator and save the silver for the family cutlery!
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> Amateur call: KI4NUC, Winter Haven, Fl.
> Member: Lakeland Amateur Radio Club
> http://www.lakelandarc.org/
> pbader@...
>
> ----- Original Message -----
> From: billncolo36
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Sent: Friday, July 25, 2008 10:08 AM
> Subject: [ham-antennas] Re: 80mtr vertical out od a silver rod
>
>

> Why silver?? Seems like a very expensive way to build a verticle.
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>
>
>

> [Non-text portions of this message have been removed]
>

[Non-text portions of this message have been removed]

5440. Re: [ham-antennas] Re: 80mtr vertical out od a silver rod

Yahoo group: ham-antennas (2008)
Date: 2008-07-28 01:03:54 UTC
From: Phil Bader
Topic: 5420 Message: 5440

Carbon surfaces absorb RF (see: stealth aircraft) But if that, or any surface had a thin conductive coating the skin effect would allow the RF to travel on it's surface .
PB
Philip Bader
Polk County School Board
Intercom & Fire Alarm Electronics Systems Tech
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakelandarc.org/
pbader@...

----- Original Message -----
From: billncolo36
To: ham-antennas@yahoogroups.com
Sent: Sunday, July 27, 2008 2:16 PM
Subject: [ham-antennas] Re: 80mtr vertical out od a silver rod

Skin effect doesn't negate the importance of the material's conductivity. Try making a verticle out of a 2 inch diameter carbon tube!

--- In ham-antennas@yahoogroups.com, "Phil Bader" <PBADER@...> wrote:
>
> Resistance in material? RF uses "skin effect". Not DC current passing thru the rod. In survival situations even rope soaked in saltwater made an antenna. I agree with this respondent,use a larger diameter metalic tube for a good, wider band radiator and save the silver for the family cutlery!
> Phil B
> Philip Bader
> Polk County School Board
> Intercom & Fire Alarm Electronics Systems Tech
> Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006
> Amateur call: KI4NUC, Winter Haven, Fl.
> Member: Lakeland Amateur Radio Club
> http://www.lakelandarc.org/
> pbader@...
>
> ----- Original Message -----
> From: billncolo36
> To: ham-antennas@yahoogroups.com
> Sent: Friday, July 25, 2008 10:08 AM
> Subject: [ham-antennas] Re: 80mtr vertical out od a silver rod
>
>

> Why silver?? Seems like a very expensive way to build a verticle.
The
> difference in resistivity (Silver=1.59 vs Copper=1.72) is
negligible. I
> think you would have much better efficiency and bandwidth if you
used
> large diameter metal tubing and not worry about the small
difference in
> resistance of the material used.
> Bill
> N0CU
>
> --- In ham-antennas@yahoogroups.com, "brendan4933" <familysykes@>
> wrote:
> >
> > Hi group
> >
> > I would like to try and make a 80mtr vertical out of a silver
rod.
> > Has anyone tried this, if so what was there results, and how
did you
> > do it.
> > For example: how long was the vertical,what was the coil spec,
and
> > did you leave the 50om matching coil in line. Could you work 40
and
> > 20 mtr though a tuner.
> >
> > Thanks group
> >
> > Brendan 2E0BDS (Sunny England for once)
> >
>
>
>
>
> No virus found in this incoming message.
> Checked by AVG - http://www.avg.com
> Version: 8.0.138 / Virus Database: 270.5.3/1565 - Release Date:
7/21/2008 6:36 PM
>
>
> Internal Virus Database is out of date.
> Checked by AVG - http://www.avg.com
> Version: 8.0.138 / Virus Database: 270.5.3/1565 - Release Date:
7/21/2008 6:36 PM
>
>
>
> [Non-text portions of this message have been removed]

>

Internal Virus Database is out of date.
Checked by AVG - http://www.avg.com
Version: 8.0.138 / Virus Database: 270.5.3/1565 - Release Date: 7/21/2008 6:36 PM

Internal Virus Database is out of date.
Checked by AVG - http://www.avg.com
Version: 8.0.138 / Virus Database: 270.5.3/1565 - Release Date: 7/21/2008 6:36 PM

[Non-text portions of this message have been removed]

5441. Jerry Here...from Oregon

Yahoo group: ham-antennas (2008)
Date: 2008-07-28 20:21:29 UTC
From: Gerald Gaule
Topic: 5441 Message: 5441

Had to post again...sorry..

Hello this is KE7GGV-Jerry from Oregon...I have been a HAM operator for two years..I am disabled and love the hobby..Here is my plan and scenario...I currently use a 5-BTV Vertical that is connected to my ICOM-IC 718 and I also use a MFJ VERSA TUNER III and I use a LOW-PASS Filter...I am looking at a Van Gorden G5RV Shorty Dipole w/ladder line..I have very limited space and plan to use it as a inverted V... (so far)my mast I have on the north side of the home/small lot..I mean SMALL...the mast is about 25' and How do I(the right way)drop the Ladder line???...or construct it right..I do need help...all info will be fine...now from what I understand with a tuner and like a marconi can be used at 160 meters..

Thank you for your advice.....

THX DE KE7GGV..73 TO ALL and taking the time to read this...all is very much appreciated...

www.qrz.com/callsign/ke7ggv

5442. Moxon rectangle phasing

Yahoo group: ham-antennas (2008)
Date: 2008-07-29 05:07:03 UTC
From: Ing. Mario Kapralik
Topic: 5442 Message: 5442

Hello.
I want to make an antenna system with 6moxon rectangles, and I don't know, what is the right distance between antennas for the higest gain.
They will be placed on one tower in vertical line.
Could you help me, please?

Mario OM4EA

5443. 2 meter mobile antenna for marine use

Yahoo group: ham-antennas (2008)
Date: 2008-07-29 16:32:18 UTC
From: Paul
Topic: 5443 Message: 5443

Can anyone recommend a 2 meter antenna suitable for use on a boat?

73,

Paul Edwards
N3IXZ
North Carolina, USA

5444. Re: [ham-antennas] 2 meter mobile antenna for marine use

Yahoo group: ham-antennas (2008)
Date: 2008-07-29 16:43:26 UTC
From: w8okn@charter.net
Topic: 5443 Message: 5444

I've seen hams use coaxial dipoles or J-Poles. No ground needed for those antennas.
--
From the desk of W8OKN, northern Michigan

---- Paul <rmsscotia@...> wrote:
> Can anyone recommend a 2 meter antenna suitable for use on a boat?
>
> 73,
>
> Paul Edwards
> N3IXZ
> North Carolina, USA
>

5445. Re: [ham-antennas] 2 meter mobile antenna for marine use

Yahoo group: ham-antennas (2008)
Date: 2008-07-29 18:20:25 UTC
From: Leonard K. Pennock
Topic: 5443 Message: 5445

Any of the mobile 1/2 wave (about 40") antennas will work. I use a dual band 1/2 on 2m stacked 5/8 on 440 on my fiberglass boat and they work fine. SWR is slightly higher than when on a car but still below 2:1.

I did ask diamond the same question and their response was the same about using the 1/2 wave antennas.

Paul wrote:
> Can anyone recommend a 2 meter antenna suitable for use on a boat?
>
> 73,
>
> Paul Edwards
> N3IXZ
> North Carolina, USA
>
>
> ---
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 974 members (as of 11/07/07, and attachments are NOT permitted.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
--
Leonard K. Pennock
AD7AS

Those who walk bravely through life, unafraid of loss or failure, find that they very rarely lose or fail.

5446. Re: Moxon rectangle phasing

Yahoo group: ham-antennas (2008)
Date: 2008-07-29 21:24:45 UTC
From: james27613
Topic: 5442 Message: 5446

hi Mario,

I like the 6m Moxon too !

take a look here

http://cebik.com/content/a10/moxon/moxstack.html

you will need to get a no cost login
(keeps out the bad guys !)

the you have full access to all the works from
Dr. Cebik W4RNL (SK).

73 james

5447. Re: [ham-antennas] Moxon rectangle phasing

Yahoo group: ham-antennas (2008)
Date: 2008-07-29 23:47:19 UTC
From: Barry Hoffman
Topic: 5442 Message: 5447

Check with PAR Electronics. http://www.parelectronics.com

They make a 6M Stressed Moxon Antenna and stacking kits.

The owner of the company is a HAM and is very helpfull.

73
K7BLH

--- On Mon, 7/28/08, Ing. Mario Kapralik <mario.kapralik@...> wrote:

From: Ing. Mario Kapralik <mario.kapralik@...>
Subject: [ham-antennas] Moxon rectangle phasing
To: ham-antennas@yahoogroups.com
Date: Monday, July 28, 2008, 10:07 PM

Hello.
I want to make an antenna system with 6moxon rectangles, and I don't
know, what is the right distance between antennas for the higest gain.
They will be placed on one tower in vertical line.
Could you help me, please?

Mario OM4EA

[Non-text portions of this message have been removed]

5448. Folded Dipole vs. Dipole

Yahoo group: ham-antennas (2008)
Date: 2008-07-31 12:24:43 UTC
From: ve2ztu
Topic: 5448 Message: 5448

Folded Dipole vs. Dipole ☐ I `m seeking info from people who have used theses antennas. I'm not seeking "copy & paste" help from internet websites. I need to connect with actual users who have experimented with both. Does the folded dipole perform better or vice versa? Do you find less man made noise on the folded dipole compared to a regular dipole? And what else is different, please only if you have used the antenna. Ok

Sean

5449. Re: [ham-antennas] Folded Dipole vs. Dipole

Yahoo group: ham-antennas (2008)
Date: 2008-07-31 12:59:05 UTC
From: Angus
Topic: 5448 Message: 5449

Hi Sean,
I have only ever had access to my homebrew antennas but have used both folded and split dipoles.
For what it is worth, my money goes on the regular split dipole.
I live in the worst area for VHF/UHF communications and thought 'aah split dipole less manmade noise'.
No didn't work any better than a regular dipole, also didn't get any greater bandwidth on the yagis, the gain was the same (well it would be).
It was also mechanically harder to produce a folded dipole, but is easy to build a good hard wearing split dipole.
A split dipole does need some form of balun, but that's no biggy, try a few ferrite rings on the coax at the feed point.
Or you could try wrapping the coax itself around the boom 6 or 7 times again at the feed point.
For me and possibly against what everyone else says (it is after all a personnel thing) go for a regular split dipole.
good luck
regards
Gus M0IKB
----- Original Message -----
From: ve2ztu
To: ham-antennas@yahoogroups.com
Sent: Thursday, July 31, 2008 1:24 PM
Subject: [ham-antennas] Folded Dipole vs. Dipole

Folded Dipole vs. Dipole - I `m seeking info from people who have used theses antennas. I'm not seeking "copy & paste" help from internet websites. I need to connect with actual users who have experimented with both. Does the folded dipole perform better or vice versa? Do you find less man made noise on the folded dipole compared to a regular dipole? And what else is different, please only if you have used the antenna. Ok

Sean

--
I am using the free version of SPAMfighter for private users.
It has removed 1509 spam emails to date.
Paying users do not have this message in their emails.
Get the free SPAMfighter here: http://www.spamfighter.com/len

[Non-text portions of this message have been removed]

5450. Re: [ham-antennas] Folded Dipole vs. Dipole

Yahoo group: ham-antennas (2008)
Date: 2008-07-31 13:52:54 UTC
From: Kenneth D. Grimm, K4XL
Topic: 5448 Message: 5450

ve2ztu wrote:
> Folded Dipole vs. Dipole – I `m seeking info from people who have used
> theses antennas. I'm not seeking "copy & paste" help from internet
> websites. I need to connect with actual users who have experimented
> with both. Does the folded dipole perform better or vice versa? Do you
> find less man made noise on the folded dipole compared to a regular
> dipole? And what else is different, please only if you have used the
> antenna. Ok
>
>
> Sean
>

Sean's questions are interesting. I have often wondered if the "closed loop" design of the folded dipole would exhibit the same resistance to "precipitation" static that I have observed when comparing a cubical quad with a plumbers delight yagi. I observed, more than once, that the corona (?) noise generated during approaching rain and snow storms was not noticeable on the quad while, at the same time, the noise masked everything on the yagi. These observations were made on 20 mx when I lived in Texas. I have not been plagued with this particular kind of noise in Virginia the way I was in Texas and so have not pursued the matter any further. If the folded dipole does behave the same way that quad loops do, it might make a very desirable alternative to the traditional split element dipole in areas where precipitation static is a problem.

73,

Ken - K4XL

--

Ken K4XL
k4xl@...

*** BoatAnchor Manual Archive ***
On the web at http://bama.sbc.edu and http://bama.edebris.com
FTP site info: bama.sbc.edu login: anonymous p/w: youremailadr

No virus found in this outgoing message.
Checked by AVG - http://www.avg.com
Version: 8.0.138 / Virus Database: 270.5.9/1583 - Release Date: 7/31/2008 6:17 AM

5451. Re: [ham-antennas] Folded Dipole vs. Dipole

Yahoo group: ham-antennas (2008)
Date: 2008-07-31 14:00:23 UTC
From: patrick.obrien47
Topic: 5448 Message: 5451

HI , Why not make a doublet , as its a radom length Dipole fed with twin feeder , or u could make the doublet out of 2 twin wires so that you dont have a center joint as both sides of the doublet will look like a invert left & right L shape. You can also if you have a half-size G5RV remove the coax connector and feed it with twin feeder. either 75 or 300 or 450 ohm thats what i have done with my 1/2 size g5rv
a mate has made his own feeder 3 inches wide with homebrew ladder supports.

Patrick GW1SXN
----- Original Message -----
From: "ve2ztu" <inlineskater19km@...>
To: <ham-antennas@yahoogroups.com>
Sent: Thursday, July 31, 2008 1:24 PM
Subject: [ham-antennas] Folded Dipole vs. Dipole

Folded Dipole vs. Dipole - I `m seeking info from people who have used theses antennas. I'm not seeking "copy & paste" help from internet websites. I need to connect with actual users who have experimented with both. Does the folded dipole perform better or vice versa? Do you find less man made noise on the folded dipole compared to a regular dipole? And what else is different, please only if you have used the antenna. Ok

Sean

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 974 members (as of 11/07/07, and attachments are NOT permitted.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

No virus found in this incoming message.
Checked by AVG - http://www.avg.com
Version: 8.0.138 / Virus Database: 270.5.9/1583 - Release Date: 31/07/2008 06:17

No virus found in this outgoing message.
Checked by AVG - http://www.avg.com
Version: 8.0.138 / Virus Database: 270.5.9/1583 - Release Date: 31/07/2008 06:17

5452. Re: [ham-antennas] Folded Dipole vs. Dipole

Yahoo group: ham-antennas (2008)
Date: 2008-07-31 15:36:54 UTC
From: Andy
Topic: 5448 Message: 5452

I'm not speaking from personal experience, but from theory here. So you may ignore it if you like. But I thought it is worth saying anyway.

As far as radio waves are concerned, a folded dipole is not supposed to work any differently than a normal dipole. It is not a loop antenna and does not behave like a loop, which can be quieter. A folded dipole is, after all, just a normal dipole with a built-in impedance transformer, making a better match to balanced feedline. It should have a little wider bandwidth, because it is fatter than an ordinary dipole.

On the other hand, static build-up is different, and Ken makes the good point that it has immunity to static, so this is one thing that should differentiate it from a normal dipole.

Andy

5453. Outbacker Perth Plus HF/2/6 meter antenna NEW

Yahoo group: ham-antennas (2008)
Date: 2008-07-31 18:41:23 UTC
From: seedster6943
Topic: 5453 Message: 5453

I have a NEW unused Perth Plus HF/ two meter/six meter for sale. It also includes the heavy duty OBSB spring mount and all the new stingers for HF and the vhf bands. Cost me $489k, but will let it go for $275 shipped. Great price on a great mobile/portable antenna.

seedster6943@...

5454. Re: Folded Dipole vs. Dipole

Yahoo group: ham-antennas (2008)
Date: 2008-07-31 21:06:56 UTC
From: co_farmer
Topic: 5448 Message: 5454

Hi, Sean.
A few years ago, when I decided to get back into ham radio, I put up a 40 meter dipole fed with 72 ohm twin lead. It was rather low, about 20 feet high on the ends. We have rather low juniper trees here in Central Oregon. An old antenna tuner matched the line to my Kenwood TS-520S. It worked, but we were living with several sets of high voltage transmission lines in front of the house. Quite noisy!

I determined to reduce the noise pickup and bought a full spool of 300 ohm TV twin lead from a seller on Ebay. I constructed an 80 meter folded dipole using the twin lead. When connected to the tuner in place of the dipole, I thought the antenna was shorted somewhere close to the garage where I had my shack. It wasn't. It was just so very quiet. I tuned around on 75 meters and heard several stations on during the day. It worked well for both transmitting and receiving.

My problem was induced noise from the power distribution lines and the folded dipole took care of it. Other types of noise, QRN, will not be reduced.

The twin lead antenna did not last through the winter, however. The wind whipped the feed line until it broke. I repaired and it broke again in a few weeks. I had to give up on it.

A later antenna, a 160 meter dipole fed with 450 window line also had feed line breakage due to the wind. It was also noisy!

My current antenna, at a different location, is a 160 meter lazy quad about 35 feet up. Fed at one corner with home made 600 ohm feed line. The wind is bad here, also, but the feed line has a very small wind resistance, so doesn't suffer damage.

The loop/quad picks up lots of QRN. Desired signals are strong, so I run my Icom 706MkII with the 20db pad turned on almost all the time.

In conclusion, the folded dipole will reduce your noise, if it is picked up from a local source, but not if it is the noise we all experience on the bands.

Good luck with your project.

Paul, KD7HB

--- In ham-antennas@yahoogroups.com, "ve2ztu" <inlineskater19km@...>
wrote:
>
> Folded Dipole vs. Dipole ☐ I `m seeking info from people who have used

> theses antennas. I'm not seeking "copy & paste" help from internet
> websites. I need to connect with actual users who have experimented
> with both. Does the folded dipole perform better or vice versa? Do you
> find less man made noise on the folded dipole compared to a regular
> dipole? And what else is different, please only if you have used the
> antenna. Ok
>
>
> Sean
>

5455. Half Square Antenna - Feed Point

Yahoo group: ham-antennas (2008)
Date: 2008-08-01 00:51:40 UTC
From: soona4sail
Topic: 5455 Message: 5455

Does anyone have experience with the Half Square antenna. I intend on trying one, feeding at one corner, but I cannot get a definitive answer, regarding the coax connection. Is the center of the coax to the horizontal section, or should the center of the coax go to the vertical section???
Thanks in advance
VE7MTW

5456. Re: [ham-antennas] Half Square Antenna - Feed Point

Yahoo group: ham-antennas (2008)
Date: 2008-08-01 01:36:05 UTC
From: w8okn@charter.net
Topic: 5455 Message: 5456

I used one for years and it was the best DX antenna I ever used, seriously. I really enjoyed the performance. I had an AH-4 at the base with a good radial system and it was effective for most bands.

W8OKN

----- Original Message -----
From: soona4sail
To: ham-antennas@yahoogroups.com
Sent: Thursday, July 31, 2008 8:51 PM
Subject: [ham-antennas] Half Square Antenna - Feed Point

Does anyone have experience with the Half Square antenna. I intend on trying one, feeding at one corner, but I cannot get a definitive answer, regarding the coax connection. Is the center of the coax to the horizontal section, or should the center of the coax go to the vertical section???
Thanks in advance
VE7MTW

No virus found in this incoming message.
Checked by AVG.
Version: 7.5.524 / Virus Database: 270.5.10/1584 - Release Date: 7/31/2008 12:00 PM

[Non-text portions of this message have been removed]

5457. Re: [ham-antennas] Folded Dipole vs. Dipole

Yahoo group: ham-antennas (2008)
Date: 2008-08-01 02:30:32 UTC
From: Kenneth D. Grimm, K4XL
Topic: 5448 Message: 5457

Andy wrote:
> <snip>
>
> As far as radio waves are concerned, a folded dipole is not supposed to work
> any differently than a normal dipole.
Granted, the folded dipole is a dipole and works like a dipole, in that
it has no gain over an ordinary dipole and has the radiation pattern of
an ordinary dipole but is distinguished from the ordinary dipole in that
it has a slightly broader bandwidth.

> It is not a loop antenna and does not
> behave like a loop, which can be quieter. A folded dipole is, after all,
> just a normal dipole with a built-in impedance transformer, making a better
> match to balanced feedline. It should have a little wider bandwidth,
> because it is fatter than an ordinary dipole.
>

Here we will have to disagree. While the folded dipole is only a dipole
in terms of its pattern and gain, in terms of its physical construction
it is a flattened full wave loop, fed in the center of one half wave
side. It is the fact that a folded dipole is a one wavelength loop of
wire that gives rise to my question as to whether it would exhibit the
same immunity to precipitation static that I have observed on one
wavelength cubical quad loops.
> On the other hand, static build-up is different, and Ken makes the good
> point that it has immunity to static, so this is one thing that should
> differentiate it from a normal dipole.
>
> Andy
>
>

So that I'm not misunderstood, the noise "immunity" that I observed was
limited to only the popping noise that starts out slowly and accelerates
to an almost buzz saw like sound and which ends suddenly with a corona
(?) discharge. I refer to this as precipitation static. Some folks who
live where the dust blows rather fiercely on occasions have also noticed
this effect on dry, dusty, windy days. So it isn't limited to rain and
snow. Ordinary static generated by lightning seems to me to be just as
loud and prevalent on the full wave quad loop as on the yagi. Others
may differ, saying that the quad loop is quieter in other ways too, but
that's not my assertion.

73,

Ken - K4XL

No virus found in this outgoing message.
Checked by AVG - http://www.avg.com
Version: 8.0.138 / Virus Database: 270.5.10/1584 - Release Date: 7/31/2008 12:00 PM

5458. Re: Folded Dipole vs. Dipole

Yahoo group: ham-antennas (2008)
Date: 2008-08-01 02:35:44 UTC
From: Alan Wilson
Topic: 5448 Message: 5458

--- In ham-antennas@yahoogroups.com, "ve2ztu" <inlineskater19km@...>
wrote:
>
> Folded Dipole vs. Dipole ☐ I `m seeking info from people who have used
> theses antennas. I'm not seeking "copy & paste" help from internet
> websites. I need to connect with actual users who have experimented
> with both. Does the folded dipole perform better or vice versa? Do you
> find less man made noise on the folded dipole compared to a regular
> dipole? And what else is different, please only if you have used the
> antenna. Ok
>
>
> Sean
>
Sean, I tried a folded dipole (B&W) for field day one year, it had
nice swr, but few contacts. After an hour or so we switched over to a
standard dipole and the contacts piled up. I can't say about noise as
we were miles from civilization. I can't recommend the B&W folded
dipole at all..hope this helps, 73 Alan

5459. Re: Half Square Antenna - Feed Point

Yahoo group: ham-antennas (2008)
Date: 2008-08-01 02:37:55 UTC
From: Alan Wilson
Topic: 5455 Message: 5459

--- In ham-antennas@yahoogroups.com, "soona4sail" <soona4sail@...> wrote:
>
> Does anyone have experience with the Half Square antenna. I intend on
> trying one, feeding at one corner, but I cannot get a definitive
> answer, regarding the coax connection. Is the center of the coax to the
> horizontal section, or should the center of the coax go to the vertical
> section???
> Thanks in advance
> VE7MTW
>
As I understand, the center should go to the nearest vertical section.
Let us know how it works for you, 73, Alan

5460. Re: Half Square Antenna - Feed Point

Yahoo group: ham-antennas (2008)
Date: 2008-08-01 02:50:32 UTC
From: soona4sail
Topic: 5455 Message: 5460

-Thanks for the info. I was feeling that the vertical section was the
correct hookup. Thanks for a confirmation.
73 VE7MTW

-- In ham-antennas@yahoogroups.com, "Alan Wilson" <ke4nu7@...> wrote:
>
> --- In ham-antennas@yahoogroups.com, "soona4sail" <soona4sail@> wrote:
> >
> > Does anyone have experience with the Half Square antenna. I intend
on
> > trying one, feeding at one corner, but I cannot get a definitive
> > answer, regarding the coax connection. Is the center of the coax to
the
> > horizontal section, or should the center of the coax go to the
vertical
> > section???
> > Thanks in advance
> > VE7MTW
> >
> As I understand, the center should go to the nearest vertical section.
> Let us know how it works for you, 73, Alan
>

5461. Re: Half Square Antenna - Feed Point

Yahoo group: ham-antennas (2008)
Date: 2008-08-01 02:57:31 UTC
From: Alan Wilson
Topic: 5455 Message: 5461

--- In ham-antennas@yahoogroups.com, "soona4sail" <soona4sail@...> w

- Glad to help, please let us know how it works..I've read up on them but haven't tried one yet. Actually, I was going to try the top corner feed bobtail curtain but I got involved building a hexbeam which turns out to be a heck of an antenna...73, Alan

5462. Re: [ham-antennas] Re: Half Square Antenna - Feed Point

Yahoo group: ham-antennas (2008)
Date: 2008-08-01 06:01:58 UTC
From: jerry
Topic: 5455 Message: 5462

i have on set for 40 meters it took a bit to get the vertical wires tuned here but works well for 40 meter contesting unfortuneitely it runs east and west so works north and south . from alaska to south america anything i hear i can work ,, i just did the corner connection like a dipole shield to the vertical and center of the coax to the hortozonial wire.. use it with 100 watts and get good signal reports ,,
jerry wi7f

----- Original Message ----
From: soona4sail <soona4sail@...>
To: ham-antennas@yahoogroups.com
Sent: Thursday, July 31, 2008 7:50:32 PM
Subject: [ham-antennas] Re: Half Square Antenna - Feed Point

-Thanks for the info. I was feeling that the vertical section was the
correct hookup. Thanks for a confirmation.
73 VE7MTW

-- In ham-antennas@ yahoogroups. com, "Alan Wilson" <ke4nu7@...> wrote:
>
> --- In ham-antennas@ yahoogroups. com, "soona4sail" <soona4sail@ > wrote:
> >
> > Does anyone have experience with the Half Square antenna. I intend
on
> > trying one, feeding at one corner, but I cannot get a definitive
> > answer, regarding the coax connection. Is the center of the coax to
the
> > horizontal section, or should the center of the coax go to the
vertical
> > section???
> > Thanks in advance
> > VE7MTW
> >
> As I understand, the center should go to the nearest vertical section.
> Let us know how it works for you, 73, Alan
>

[Non-text portions of this message have been removed]

5463. Re: Half Square Antenna - Feed Point

Yahoo group: ham-antennas (2008)
Date: 2008-08-01 20:45:23 UTC
From: james27613
Topic: 5455 Message: 5463

hi,

I like this design too, use one for 2m and bring it
to club meetings once in a while....
it gets a few funny looks until they figure out what it is.

73 james ke4drn

5464. My Horizontal Half Wave Open Loop - Performance questions

Yahoo group: ham-antennas (2008)
Date: 2008-08-02 01:56:19 UTC
From: Jonathan Helis KB5IAV
Topic: 5464 Message: 5464

For the last several months, I've been experimenting with a horizontal half wave open loop in the attic of my 1 story house. It's basically a dipole in the shape of a horizontal loop 25ft x 5ft, for a total of 60 feet of wire. It's fed with 300ohm TV Twinlead, a 4:1 balun, and it's tuned with an LDG Z-11 Pro autotuner.

I've been working alot of PSK31 not running more than 40 watts and here are the results I'm getting:

On 20 meters, I've been able to work Alabama, Floriday, Georgia, Kansas, Kentucky, Michigan, Missouri, New Mexico, New York, Ohio, Pennsylvania, Tennessee, Texas, and Wisconsin. On the DX front, I've worked Guatemala, Cuba, Costa Rica, and Puerto Rico from my Louisiana QTH.

On 40, I've worked Florida, Indiana, Kentucky, and Oklahoma.

With some of those close in QSOs on 20, I wonder if my antenna is a cloud warmer.

I've tried loading on 17, 15, 12, and 10 and haven't made any PSK31 contacts.

I was wondering how that performance compares to what others are getting right now. I'm thinking of replacing the antenna once summer is over and I can get into the attic, possibly with an OCF dipole or something like that.

Any comments are welcome.

--
73,

Jonathan Helis, KB5IAV
Baton Rouge, Louisiana, USA

5465. 20m dipole

Yahoo group: ham-antennas (2008)
Date: 2008-08-02 10:23:32 UTC
From: Doug
Topic: 4417 Message: 5465

'Morning Group,

If I wanted to homebrew a 20m 1/4 wave dipole fed with 50 ohm coax what value of balun would I use?

Cheers!
Doug...

5466. Re: [ham-antennas] 20m dipole

Yahoo group: ham-antennas (2008)
Date: 2008-08-02 12:10:14 UTC
From: Kenneth D. Grimm, K4XL
Topic: 4417 Message: 5466

Doug wrote:
> 'Morning Group,
>
> If I wanted to homebrew a 20m 1/4 wave dipole fed with 50 ohm coax what
> value of balun would I use?
>
> Cheers!
> Doug...
>
>
A 1/4 wave dipole is going to be very reactive and will require a tuning network in order to work, and it will work rather poorly even then. So, I assume that you are talking about 1/2 wave dipole and a simple 1:1 current balun is all that you will need. In fact, a simple choke made of six turns of your 50 ohm coax feedline wound in a 4 inch coil should prove sufficient.

73,

--

Ken K4XL
k4xl@...

*** BoatAnchor Manual Archive ***
On the web at http://bama.sbc.edu and http://bama.edebris.com
FTP site info: bama.sbc.edu login: anonymous p/w: youremailadr

No virus found in this outgoing message.
Checked by AVG - http://www.avg.com
Version: 8.0.138 / Virus Database: 270.5.10/1586 - Release Date: 8/1/2008 6:59 PM

5467. Re: [ham-antennas] 20m dipole

Yahoo group: ham-antennas (2008)
Date: 2008-08-02 12:14:14 UTC
From: Forrest Plumstead
Topic: 4417 Message: 5467

On 8/2/08, Doug <dxreddog@...> wrote:
>
> 'Morning Group,
>
> If I wanted to homebrew a 20m 1/4 wave dipole fed with 50 ohm coax what
> value of balun would I use?
>
> Cheers!
> Doug...
>
>
>
Good Morning Doug!

I have built many dipoles according to the formula and attached the coax
straight to the radiating elements with great success.

--
Forrest Plumstead fplum1@...
PLUMSTEAD-L List master
http://lists.rootsweb.com/index/surname/p/plumstead.html
Plumstead and Associated Families:
http://freepages.genealogy.rootsweb.com/~fplum/
Military Kool Lynx: http://geocities.com/fplum/
Ham Radio WB5HQO http://forrest.3h.com/main.html
Photos: http://myspace.com/fplum7755

[Non-text portions of this message have been removed]

5468. Re: [ham-antennas] 20m dipole

Yahoo group: ham-antennas (2008)
Date: 2008-08-02 14:12:50 UTC
From: Doug Chlan
Topic: 4417 Message: 5468

Thanks Ken,

I wrote 1/4 wave but I meant 1/2. 1/4 each side. 1:1 balun or RF choke.
Thanks.

Cheers!
Doug...

_____
Instant Messaging, free SMS, sharing photos and more... Try the new Yahoo! Canada Messenger at http://ca.beta.messenger.yahoo.com/

[Non-text portions of this message have been removed]

5469. RE: [ham-antennas] 20m dipole

Yahoo group: ham-antennas (2008)
Date: 2008-08-02 14:15:50 UTC
From: Rich Schmuke
Topic: 4417 Message: 5469

!/4 wave each side , ½ wave over all??? OK , you can use a 1:1 , or a few turns of coax. If you can support it in the center and get the ends a little lower you can get the SWR down toward 1-to-1. Dipoles are closer to 70 ohms straight , towards a slight □V□ gets it closer to 50 Ohms

KD0ZZ , Rich

I am not getting older but having a propagation problem with the neurons in the grey matter.

Any errors in spelling or facts are tramsmission errors

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Doug
Sent: Saturday, August 02, 2008 5:24 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] 20m dipole

'Morning Group,

If I wanted to homebrew a 20m 1/4 wave dipole fed with 50 ohm coax what value of balun would I use?

Cheers!
Doug...

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Checked by AVG - http://www.avg.com
Version: 8.0.138 / Virus Database: 270.5.10/1586 - Release Date: 8/1/2008 6:59 PM

[Non-text portions of this message have been removed]

5470. Re: 20m dipole

Yahoo group: ham-antennas (2008)
Date: 2008-08-02 16:32:00 UTC
From: Doug
Topic: 4417 Message: 5470

Could or should an RF choke be used in conjunction with a balun. Any advantage or disadvantage to using both?

Cheers!
Doug...

> !/4 wave each side , ½ wave over all??? OK , you can use a 1:1 , or a few
> turns of coax.

5472. Re: 20m dipole

Yahoo group: ham-antennas (2008)
Date: 2008-08-02 18:56:16 UTC
From: Paul Williams
Topic: 4417 Message: 5472

--- In ham-antennas@yahoogroups.com, "Doug" <dxreddog@...> wrote:
>
> Could or should an RF choke be used in conjunction with a balun. Any
> advantage or disadvantage to using both?
>
> Cheers!
> Doug...

The only disadvantage of using both, that I can think of, is the added weight that the dipole will be supporting.

5473. RE: [ham-antennas] Re: 20m dipole

Yahoo group: ham-antennas (2008)
Date: 2008-08-02 19:24:49 UTC
From: Doug Chlan
Topic: 4417 Message: 5473

Good info folks. All questions were answered. Thanks to all!

Cheers!
Doug...

--- On Fri, 11/28/03, Rich Schmuke <rdj@...> wrote:

From: Rich Schmuke <rdj@...>
Subject: RE: [ham-antennas] Re: 20m dipole
To: ham-antennas@yahoogroups.com
Received: Friday, November 28, 2003, 1:10 AM

Doug , the books say all kinds of things ,choke , balun and/or what ever but
I have made just as many contacts on a plain dipole. When I make a J-Pole
for the club members I add a choke but if I put up a dipole for some one
its just a dipole , no choke or balun. I have a 5 band dipole up now at home
and it has no choke or balun on it. When I make the field day set up for the
club with more than one radio I use chokes and stubs to help with
interference. If you are doing this at home with one radio at a time, just a
wire will work fine.

Rich , Kd0zz

As an act of plagiarism . Disclaimer: Any errors in spelling or facts are
transmission errors.

From: ham-antennas@ yahoogroups. com [mailto:ham-antennas@ yahoogroups. com] On
Behalf Of Doug
Sent: Saturday, August 02, 2008 11:32 AM
To: ham-antennas@ yahoogroups. com
Subject: [ham-antennas] Re: 20m dipole

Could or should an RF choke be used in conjunction with a balun. Any
advantage or disadvantage to using both?

Cheers!
Doug...

> !/4 wave each side , ½ wave over all??? OK , you can use a 1:1 ,
or a few
> turns of coax.

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Version: 8.0.138 / Virus Database: 270.5.10/1586 - Release Date: 8/1/2008
6:59 PM

[Non-text portions of this message have been removed]

Looking for the perfect gift? Give the gift of Flickr!

http://www.flickr.com/gift/

[Non-text portions of this message have been removed]

5474. RE: [ham-antennas] My Horizontal Half Wave Open Loop - Performance questions

Yahoo group: ham-antennas (2008)
Date: 2008-08-03 08:53:48 UTC
From: Callum M0MCX
Topic: 5464 Message: 5474

Jonathon, basically you are doing fine. The only thing that would change your far field plot and stop any inclination of cloud warming would be height - nothing else. Pointless to try. If you are actually getting RF out the antenna (and by the sounds of it you are) then it's working as best it can.

Regarding the higher bands, it's the same for me too - basically not good for DX right now unless you are into big hardware.

Conclusion, just carry on :)

PS - of interest, what would happen if you turned this little antenna into a full loop..?

Callum McCormick

http://www.m0mcx.co.uk/

If you think education is expensive, try ignorance.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Jonathan Helis KB5IAV
Sent: 02 August 2008 02:56
To: Ham Antennas Groups
Subject: [ham-antennas] My Horizontal Half Wave Open Loop - Performance questions

For the last several months, I've been experimenting with a horizontal half wave open loop in the attic of my 1 story house. It's basically a dipole in the shape of a horizontal loop 25ft x 5ft, for a total of 60 feet of wire. It's fed with 300ohm TV Twinlead, a 4:1 balun, and it's tuned with an LDG Z-11 Pro autotuner.

I've been working alot of PSK31 not running more than 40 watts and here are the results I'm getting:

On 20 meters, I've been able to work Alabama, Floriday, Georgia, Kansas, Kentucky, Michigan, Missouri, New Mexico, New York, Ohio, Pennsylvania, Tennessee, Texas, and Wisconsin. On the DX front, I've worked Guatemala, Cuba, Costa Rica, and Puerto Rico from my Louisiana QTH.

On 40, I've worked Florida, Indiana, Kentucky, and Oklahoma.

With some of those close in QSOs on 20, I wonder if my antenna is a cloud warmer.

I've tried loading on 17, 15, 12, and 10 and haven't made any PSK31 contacts.

I was wondering how that performance compares to what others are getting right now. I'm thinking of replacing the antenna once summer is over and I can get into the attic, possibly with an OCF dipole or something like that.

Any comments are welcome.

--
73,

Jonathan Helis, KB5IAV
Baton Rouge, Louisiana, USA

[Non-text portions of this message have been removed]

5475. RE: [ham-antennas] Re: 20m dipole

Yahoo group: ham-antennas (2008)
Date: 2008-08-03 08:57:18 UTC
From: Callum M0MCX
Topic: 4417 Message: 5475

>>> I use chokes and stubs

Rich,

You have prompted me to reach for my books... To make a quarter wave stub filter (connected with a T connector), will the coax be □open□ or □closed□..?

Callum McCormick

http://www.m0mcx.co.uk/

If you think education is expensive, try ignorance.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Rich Schmuke
Sent: 28 November 2003 06:11
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Re: 20m dipole

Doug , the books say all kinds of things ,choke , balun and/or what ever but I have made just as many contacts on a plain dipole. When I make a J-Pole for the club members I add a choke but if I put up a dipole for some one its just a dipole , no choke or balun. I have a 5 band dipole up now at home and it has no choke or balun on it. When I make the field day set up for the club with more than one radio I use chokes and stubs to help with interference. If you are doing this at home with one radio at a time, just a wire will work fine.

Rich , Kd0zz

As an act of plagiarism . Disclaimer: Any errors in spelling or facts are transmission errors.

From: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com> [mailto:ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>] On
Behalf Of Doug
Sent: Saturday, August 02, 2008 11:32 AM
To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
Subject: [ham-antennas] Re: 20m dipole

Could or should an RF choke be used in conjunction with a balun. Any advantage or disadvantage to using both?

Cheers!
Doug...

> !/4 wave each side , ½ wave over all??? OK , you can use a 1:1 ,
or a few
> turns of coax.

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Version: 8.0.138 / Virus Database: 270.5.10/1586 - Release Date: 8/1/2008
6:59 PM

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[Non-text portions of this message have been removed]

5476. RE: [ham-antennas] Re: 20m dipole

Yahoo group: ham-antennas (2008)
Date: 2008-08-03 14:10:14 UTC
From: Rich Schmuke
Topic: 4417 Message: 5476

Callum, The answer is yes and no, open and closed . It all depends on what you want to pass and null and remember the velocity factor of the cable you are going to use has to be figured in. The best references are, K1TTT, Dave Robbins , and QST November , 2004 has a good chart on this by N0AX in the ☐Hands-On Radio☐. You can get the QST article from the ARRL web site or try N0AX

Rich , Kd0zz

As an act of plagiarism . Disclaimer: Any errors in spelling or facts are transmission errors.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Callum M0MCX
Sent: Sunday, August 03, 2008 3:57 AM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Re: 20m dipole

>>> I use chokes and stubs

Rich,

You have prompted me to reach for my books... To make a quarter wave stub filter (connected with a T connector), will the coax be ☐open☐ or ☐closed☐..?

Callum McCormick

http://www.m0mcx.co.uk/

If you think education is expensive, try ignorance.

From: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com> [mailto:ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>] On
Behalf Of Rich Schmuke
Sent: 28 November 2003 06:11
To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
Subject: RE: [ham-antennas] Re: 20m dipole

Doug , the books say all kinds of things ,choke , balun and/or what ever but I have made just as many contacts on a plain dipole. When I make a J-Pole for the club members I add a choke but if I put up a dipole for some one its just a dipole , no choke or balun. I have a 5 band dipole up now at home and it has no choke or balun on it. When I make the field day set up for the club with more than one radio I use chokes and stubs to help with interference. If you are doing this at home with one radio at a time, just a

wire will work fine.

Rich , Kd0zz

As an act of plagiarism . Disclaimer: Any errors in spelling or facts are transmission errors.

From: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com> <mailto:ham-antennas%40yahoogroups.com>
[mailto:ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com> <mailto:ham-antennas%40yahoogroups.com>
] On
Behalf Of Doug
Sent: Saturday, August 02, 2008 11:32 AM
To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com> <mailto:ham-antennas%40yahoogroups.com>
Subject: [ham-antennas] Re: 20m dipole

Could or should an RF choke be used in conjunction with a balun. Any advantage or disadvantage to using both?

Cheers!
Doug...

> !/4 wave each side , ½ wave over all??? OK , you can use a 1:1 , or a few
> turns of coax.

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Version: 8.0.138 / Virus Database: 270.5.10/1586 - Release Date: 8/1/2008 6:59 PM

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[Non-text portions of this message have been removed]

No virus found in this incoming message.
Checked by AVG - http://www.avg.com
Version: 8.0.138 / Virus Database: 270.5.10/1587 - Release Date: 8/2/2008 5:30 PM

[Non-text portions of this message have been removed]

5477. as a member, I can't access files, photos,etc

Yahoo group: ham-antennas (2008)
Date: 2008-08-03 17:00:56 UTC
From: Phil Bader
Topic: 5477 Message: 5477

A member email said he uploaded either a file or photo to the members area.
I assume it was to the web site:
http://groups.yahoo.com/group/ham-antennas/
where I successfully logged in as a member. all I seem to see is the emails.
On the left side where it says members only, there is a list of selections:
a.. Members Only
b.. Post
c.. Files
d.. Photos
e.. Links
f.. Database
g.. Polls
h.. Members
i.. Calendar
j.. Promote
I can't seem to access these areas. What stipid thing am I doing wrong? (I
admit I have issues navigating some sites!)
Thanks, for dumbing it down for me in advance!
Phil B
Philip Bader
Polk County School Board
Intercom & Fire Alarm Electronics Systems Tech
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakelandarc.org/
pbader@...

No virus found in this outgoing message.
Checked by AVG - http://www.avg.com
Version: 8.0.138 / Virus Database: 270.5.10/1584 - Release Date: 7/31/2008 12:00 PM

5478. Re: My Horizontal Half Wave Open Loop - Performance questions

Yahoo group: ham-antennas (2008)
Date: 2008-08-03 17:33:15 UTC
From: Jonathan Helis KB5IAV
Topic: 5464 Message: 5478

Thank you for your reply. Yesterday I worked Mexico, Maryland, North Carolina, and Arkansas on 20 meter PSK31. I put this antenna up because it was the best I could do with the space I had. I didn't want to do a single wire end feed even though I've had good luck with that design in the past, I didn't want to deal with the RF in the shack issues I had to deal with.

I've considered closing the loop and seeing what it does. That will probably make it's resonant frequency lower to being close to being a full wave loop on 20 meters. I went with the half wave because I wanted to be able to get on 40. When our weather cools off, I may try to get up in the attic and close the loop and see what it does.

I've been working PSK31 and having a good time. I've wanted to do digital modes for a long time and finally got around to it. Trying to get Worked All States on PSK31 and possibly go after some of the digital awards offered by BARTG.

Thanks for the input.

--
73,

Jonathan Helis, KB5IAV
Baton Rouge, Louisiana, USA

> 2a. Re: My Horizontal Half Wave Open Loop - Performance questions
> Posted by: "Callum M0MCX" callum@... callum_m0mcx
> Date: Sun Aug 3, 2008 1:54 am ((PDT))
>
> Jonathon, basically you are doing fine. The only thing that would change
> your far field plot and stop any inclination of cloud warming would be
> height - nothing else. Pointless to try. If you are actually getting RF out
> the antenna (and by the sounds of it you are) then it's working as best it
> can.
>
>
>
> Regarding the higher bands, it's the same for me too - basically not good
> for DX right now unless you are into big hardware.
>
>
>
> Conclusion, just carry on :)
>
>

>
> PS - of interest, what would happen if you turned this little antenna into a
> full loop..?
>
>
>
> Callum McCormick
>
> http://www.m0mcx.co.uk/
>
> If you think education is expensive, try ignorance.
>
>
>
> From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On
> Behalf Of Jonathan Helis KB5IAV
> Sent: 02 August 2008 02:56
> To: Ham Antennas Groups
> Subject: [ham-antennas] My Horizontal Half Wave Open Loop - Performance
> questions
>
>
>
> For the last several months, I've been experimenting with a horizontal
> half wave open loop in the attic of my 1 story house. It's basically a
> dipole in the shape of a horizontal loop 25ft x 5ft, for a total of 60
> feet of wire. It's fed with 300ohm TV Twinlead, a 4:1 balun, and it's
> tuned with an LDG Z-11 Pro autotuner.
>
> I've been working alot of PSK31 not running more than 40 watts and here
> are the results I'm getting:
>
> On 20 meters, I've been able to work Alabama, Floriday, Georgia,
> Kansas, Kentucky, Michigan, Missouri, New Mexico, New York, Ohio,
> Pennsylvania, Tennessee, Texas, and Wisconsin. On the DX front, I've
> worked Guatemala, Cuba, Costa Rica, and Puerto Rico from my Louisiana QTH.
>
> On 40, I've worked Florida, Indiana, Kentucky, and Oklahoma.
>
> With some of those close in QSOs on 20, I wonder if my antenna is a
> cloud warmer.
>
> I've tried loading on 17, 15, 12, and 10 and haven't made any PSK31
> contacts.
>
> I was wondering how that performance compares to what others are getting
> right now. I'm thinking of replacing the antenna once summer is over
> and I can get into the attic, possibly with an OCF dipole or something
> like that.
>

> Any comments are welcome.
>

5479. Re: [ham-antennas] Moxon rectangle phasing

Yahoo group: ham-antennas (2008)
Date: 2008-08-03 19:41:26 UTC
From: Mario Kapralik
Topic: 5442 Message: 5479

Many thanks for advice guys.
Finally I found, what I was looking for, I think.

VY 73 & GL

Mario OM4EA

2008/7/30 Barry Hoffman <k7blh@...>:

> Check with PAR Electronics. http://www.parelectronics.com
>
> They make a 6M Stressed Moxon Antenna and stacking kits.
>
> The owner of the company is a HAM and is very helpfull.
>
> 73
> K7BLH
>
> --- On Mon, 7/28/08, Ing. Mario Kapralik
<mario.kapralik@...<mario.kapralik%40gmail.com>>
> wrote:
>
> From: Ing. Mario Kapralik <mario.kapralik@...<mario.kapralik%40gmail.com>
> >
> Subject: [ham-antennas] Moxon rectangle phasing
> To: ham-antennas@yahoogroups.com <ham-antennas%40yahoogroups.com>
> Date: Monday, July 28, 2008, 10:07 PM
>
>
> Hello.
> I want to make an antenna system with 6moxon rectangles, and I don't
> know, what is the right distance between antennas for the higest gain.
> They will be placed on one tower in vertical line.
> Could you help me, please?
>
> Mario OM4EA
>
> [Non-text portions of this message have been removed]
>
>
>

--
Mario Kapralik
Material Eng.
OM4EA

you can write some e-mail to anyone of addresses mentioned below:
main: mario.kapralik@...
ham radio: om4ea1@...
om4ea@...

[Non-text portions of this message have been removed]

5480. rf exposure limits

Yahoo group: ham-antennas (2008)
Date: 2008-08-04 02:54:29 UTC
From: ve3diz
Topic: 5480 Message: 5480

Hello all. I'm wondering about rf exposure to children, mainly new born. I became a father to our beautiful little girl Thursday morning. The antenna I am using is said to have a 3 point something db gain but I wasn't sure if it was dbd or dbi so I assumed the highest. I also assumed that all of 50 watts transmitted was getting to the antenna to give me an absolute worst case exposure.
So according to an online calculator using a 6dbi omni antenna with 50 watts at the antenna at 146MHZ the safe distance for a person is 9.28 feet. Would that also include infants or should I keep the power down? I mainly use only 5 watts to hit the local repeaters but I do turn it up when using SSB and chatting on distant repeaters. I would like to get the antenna further away from me but unfortunately I'm stuck on the 3rd floor of a 12 story building with no hope of getting an antenna setup anywhere but on my porch. All tips or suggestions appreciated. 73!
Matt, VE3DIZ

5481. Re: [ham-antennas] rf exposure limits

Yahoo group: ham-antennas (2008)
Date: 2008-08-04 03:30:06 UTC
From: Phil Bader
Topic: 5480 Message: 5481

Well, I applaud you for being protective of your child. I suppose you could have your baby at the opposite end of the home when transmitting. Or use a VHF beam antenna pointed away from the home(hopefully at the repeater). I assume metal screening and walls absorb RF to a degree.

Phil B
Philip Bader
Polk County School Board
Intercom & Fire Alarm Electronics Systems Tech
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakelandarc.org/
pbader@...

----- Original Message -----
From: ve3diz
To: ham-antennas@yahoogroups.com
Sent: Sunday, August 03, 2008 10:54 PM
Subject: [ham-antennas] rf exposure limits

Hello all. I'm wondering about rf exposure to children, mainly new born. I became a father to our beautiful little girl Thursday morning. The antenna I am using is said to have a 3 point something db gain but I wasn't sure if it was dbd or dbi so I assumed the highest. I also assumed that all of 50 watts transmitted was getting to the antenna to give me an absolute worst case exposure.
So according to an online calculator using a 6dbi omni antenna with 50 watts at the antenna at 146MHZ the safe distance for a person is 9.28 feet. Would that also include infants or should I keep the power down? I mainly use only 5 watts to hit the local repeaters but I do turn it up when using SSB and chatting on distant repeaters. I would like to get the antenna further away from me but unfortunately I'm stuck on the 3rd floor of a 12 story building with no hope of getting an antenna setup anywhere but on my porch. All tips or suggestions appreciated. 73!
Matt, VE3DIZ

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Version: 8.0.138 / Virus Database: 270.5.10/1584 - Release Date: 7/31/2008 12:00 PM

No virus found in this outgoing message.
Checked by AVG - http://www.avg.com
Version: 8.0.138 / Virus Database: 270.5.10/1584 - Release Date: 7/31/2008 12:00 PM

[Non-text portions of this message have been removed]

5482. Re: rf exposure limits

Yahoo group: ham-antennas (2008)
Date: 2008-08-04 04:08:53 UTC
From: Barry L. Hoffman
Topic: 5480 Message: 5482

What kind of door do you have going out to your porch on the 3rd floor?

If it is a screen door, put copper screen on it. That should effectively shield the interior of the apartment. Just don't thake the baby out on the porch when you are using the radio.

Hove you considered getting rid of the microwave oven in the kitchen too?

--- In ham-antennas@yahoogroups.com, "ve3diz" <va3va3va3@...> wrote:
>
> Hello all. I'm wondering about rf exposure to children, mainly new
> born. I became a father to our beautiful little girl Thursday morning.
> The antenna I am using is said to have a 3 point something db gain but
> I wasn't sure if it was dbd or dbi so I assumed the highest. I also
> assumed that all of 50 watts transmitted was getting to the antenna to
> give me an absolute worst case exposure.
> So according to an online calculator using a 6dbi omni antenna with 50
> watts at the antenna at 146MHZ the safe distance for a person is 9.28
> feet. Would that also include infants or should I keep the power down?
> I mainly use only 5 watts to hit the local repeaters but I do turn it
> up when using SSB and chatting on distant repeaters. I would like to
> get the antenna further away from me but unfortunately I'm stuck on
> the 3rd floor of a 12 story building with no hope of getting an
> antenna setup anywhere but on my porch. All tips or suggestions
> appreciated. 73!
> Matt, VE3DIZ
>

5483. 3 element for 17 M

Yahoo group: ham-antennas (2008)
Date: 2008-08-04 05:19:04 UTC
From: Israel
Topic: 5483 Message: 5483

Hi
To everybody in going to build a homebrew antenna for 17m maybe 3 or four element yagi any suggestion does anybody have the dimensions for a three or four element using maybe 18` foot boom id prefer to use z match on the driven element 73`s Kp4lcl

5484. Ladder-line length for a 40m folded dipole

Yahoo group: ham-antennas (2008)
Date: 2008-08-04 23:50:49 UTC
From: jamesgeidl
Topic: 5484 Message: 5484

I have a 40m folded dipole. The more I read the more confused I get. I am feeding this antenna with 300 ohm twin-lead/ladderline. This feed line is completely insulated with openings periodically through the length but isn't even structured openings like you will find in open ladder-line. The line is about 1/2" wide +/-. Do I need to leave this feedline a certain length? I have read that it a) doesn't matter, b) must be at least full wave in length (66' +/-), c) must be at least half wave in length (33' +/-).

Suggestions. opinions, ideas?

Thanks,

Jim, K6JMG

//

5485. Re: [ham-antennas] Ladder-line length for a 40m folded dipole

Yahoo group: ham-antennas (2008)
Date: 2008-08-05 00:13:37 UTC
From: MAXXOUT2@AOL.COM
Topic: 5484 Message: 5485

Jim,
I can't give you the right answer but appx 10 years ago I made a swap and was given a 17 meter CW RIG with the MFJ folded dipole.
I do remember the feed line had a coax connector in the end.
My friend told me to put and length coax on the end and bring it into the shack but I think that was to keep the unshielded twin lead out where it belonged.
My shack was right next to the window so I used the twin lead right to the rig.

The half-wave folded dipole can be made resonant with an impedance of approximately 300 ohms which matches a common transmission line impedance (twin-lead). Thus, the half-wave folded dipole can be connected directly to a twin-lead line without any matching network necessary. In general, the folded dipole has a larger bandwidth than a dipole of the same size.
From what I used in the past it's no more efficient then a coax fed dipole and has no gain over a coax fed dipole.
BOB
AF2Q

In a message dated 8/4/2008 4:51:06 PM Pacific Standard Time, jgeidl@... writes:

I have a 40m folded dipole. The more I read the more confused I get. I am feeding this antenna with 300 ohm twin-lead/ladderline. This feed line is completely insulated with openings periodically through the length but isn't even structured openings like you will find in open ladder-line. The line is about 1/2" wide +/-. Do I need to leave this feedline a certain length? I have read that it a) doesn't matter, b) must be at least full wave in length (66' +/-), c) must be at least half wave in length (33' +/-).

Suggestions. opinions, ideas?

Thanks,

Jim, K6JMG

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Read reviews on AOL Autos.
(http://autos.aol.com/cars-BMW-128-2008/expert-review?ncid=aolaut00050000000017)

[Non-text portions of this message have been removed]

5486. RE: [ham-antennas] Ladder-line length for a 40m folded dipole

Yahoo group: ham-antennas (2008)
Date: 2008-08-05 00:19:56 UTC
From: James M.(Jim) Geidl
Topic: 5484 Message: 5486

Thanks, Bob.

Jim, K6JMG

//

> [mailto:ham-antennas@yahoogroups.com] On Behalf Of MAXXOUT2@...
> Sent: Monday, August 04, 2008 5:14 PM
> To: ham-antennas@yahoogroups.com
> Subject: Re: [ham-antennas] Ladder-line length for a 40m folded dipole
>
>
> Jim,
> I can't give you the right answer but appx 10 years ago I
> made a swap and was given a 17 meter CW RIG with the MFJ
> folded dipole.
> I do remember the feed line had a coax connector in the end.
> My friend told me to put and length coax on the end and bring
> it into the shack but I think that was to keep the unshielded
> twin lead out where it belonged.
> My shack was right next to the window so I used the twin lead
> right to the rig.
>
> The half-wave folded dipole can be made resonant with an
> impedance of approximately 300 ohms which matches a common
> transmission line impedance (twin-lead). Thus, the half-wave
> folded dipole can be connected directly to a twin-lead line
> without any matching network necessary. In general, the
> folded dipole has a larger bandwidth than a dipole of the same size.
> From what I used in the past it's no more efficient then a
> coax fed dipole and has no gain over a coax fed dipole.
> BOB
> AF2Q
>
>
>
> In a message dated 8/4/2008 4:51:06 PM Pacific Standard Time,
> jgeidl@... writes:
>
> I have a 40m folded dipole. The more I read the more confused I
> get. I am feeding this antenna with 300 ohm twin-lead/ladderline.
> This feed line is completely insulated with openings periodically
> through the length but isn't even structured openings like you will
> find in open ladder-line. The line is about 1/2" wide +/-.
> Do I need
> to leave this feedline a certain length? I have read that it a)

> doesn't matter, b) must be at least full wave in length (66'
> +/-), c)
> must be at least half wave in length (33' +/-).
>
> Suggestions. opinions, ideas?
>
> Thanks,
>
> Jim, K6JMG

5487. Re: [ham-antennas] Ladder-line length for a 40m folded dipole

Yahoo group: ham-antennas (2008)
Date: 2008-08-05 01:15:00 UTC
From: Stan Labinsky Jr.
Topic: 5484 Message: 5487

Jim, if you're operating this antenna on its design band the length of the feeder is unimportant.
However if you plan to use this antenna on other bands with a tuner then feeder length can become an issue.
The ARRL's Amateur Handbook and the Antenna Handbook have some pages devoted to just this question.

Stan

----- Original Message -----
From: jamesgeidl
To: ham-antennas@yahoogroups.com
Sent: Monday, August 04, 2008 7:50 PM
Subject: [ham-antennas] Ladder-line length for a 40m folded dipole

I have a 40m folded dipole. The more I read the more confused I get. I am feeding this antenna with 300 ohm twin-lead/ladderline. This feed line is completely insulated with openings periodically through the length but isn't even structured openings like you will find in open ladder-line. The line is about 1/2" wide +/-. Do I need to leave this feedline a certain length? I have read that it a) doesn't matter, b) must be at least full wave in length (66' +/-), c) must be at least half wave in length (33' +/-).

Suggestions. opinions, ideas?

Thanks,

Jim, K6JMG

//

[Non-text portions of this message have been removed]

5488. RE: [ham-antennas] Ladder-line length for a 40m folded dipole

Yahoo group: ham-antennas (2008)
Date: 2008-08-05 01:51:08 UTC
From: James M.(Jim) Geidl
Topic: 5484 Message: 5488

Stan,

Thanks. I read and reread the stuff in the Antenna Book and I think that is where I started to get confused.

Jim

James M. "Jim" Geidl, K6JMG
www.spinochio.com
1732 Whitman Road
Concord, CA 94518
925 969-1367

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> -----Original Message-----
> From: ham-antennas@yahoogroups.com
> [mailto:ham-antennas@yahoogroups.com] On Behalf Of Stan Labinsky Jr.
> Sent: Monday, August 04, 2008 6:15 PM
> To: ham-antennas@yahoogroups.com
> Subject: Re: [ham-antennas] Ladder-line length for a 40m folded dipole
>
> Jim, if you're operating this antenna on its design band the
> length of the feeder is unimportant.
> However if you plan to use this antenna on other bands with a
> tuner then feeder length can become an issue.
> The ARRL's Amateur Handbook and the Antenna Handbook have
> some pages devoted to just this question.
>
> Stan
>
> ----- Original Message -----
> From: jamesgeidl
> To: ham-antennas@yahoogroups.com
> Sent: Monday, August 04, 2008 7:50 PM
> Subject: [ham-antennas] Ladder-line length for a 40m folded dipole
>
>
> I have a 40m folded dipole. The more I read the more confused

> I get. I am feeding this antenna with 300 ohm twin-lead/ladderline.
> This feed line is completely insulated with openings
> periodically through the length but isn't even structured
> openings like you will find in open ladder-line. The line is
> about 1/2" wide +/-. Do I need to leave this feedline a
> certain length? I have read that it a) doesn't matter, b)
> must be at least full wave in length (66' +/-), c) must be at
> least half wave in length (33' +/-).
>
> Suggestions. opinions, ideas?
>
> Thanks,
>
> Jim, K6JMG
>
> //
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>
>
>
>
> [Non-text portions of this message have been removed]
>
>
> ---
>
> HAM ANTENNAS Anything and everything, tell us or ask
> questions. Replies go to ALL 974 members (as of 11/07/07, and
> attachments are NOT permitted.
> Post message: ham-antennas@yahoogroups.com
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> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
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>
>

5489. 30 Yagi

Yahoo group: ham-antennas (2008)
Date: 2008-08-05 01:48:56 UTC
From: Dave
Topic: 5489 Message: 5489

I need the help of the group. I have built a 30 meter, 3 element yagi based upon the design found in the ARRL Antenna Handbook. Actually it's a combination of 2 40 meter, 2 element antennas. Anyway, everything is together and I am now in the process of fine tuning the thing to 10.1 mhz. Initial measurements indicate a resonance frequency of 9.6 mhz with an swr of 1.1: 1.0. At 10.1 mhz the swr is 1.8 : 1. So, apparently, I have some tuning to do on the driven element. But, and here's where I need the help of the experience of reflector, the antenna, as it is being measured now, is only 5' off the ground and the element tips are only 12" - 18" off the ground (there's approximately 36" of droop - boom to tip - in each element). This has got to have some effect on the resonant frequency as I'm measuring it. Anyone have some advice on making sure this thing is on frequency before I put it atop the tower? I sure don't want to be put it up and take down multiple times for the sake of tuning. Once up, it's up, tuned or not.

Thanks in advance.

Dave, W8QW

_____
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5490. RE: [ham-antennas] 30 Yagi

Yahoo group: ham-antennas (2008)
Date: 2008-08-05 03:00:33 UTC
From: James M.(Jim) Geidl
Topic: 5489 Message: 5490

Dave,

Can't comment our your antenna but am glad to hear from someone else that it
not excited about running an antenna up and down 15 times to tune it. I
hear guys talk like that is the simplest thing in the world...not when you
are feeble.

Jim, K6JMG
//

> [mailto:ham-antennas@yahoogroups.com] On Behalf Of Dave
> Sent: Monday, August 04, 2008 6:49 PM
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] 30 Yagi
>
> I need the help of the group. I have built a 30 meter, 3
> element yagi based upon the design found in the ARRL Antenna
> Handbook. Actually it's a combination of 2 40 meter, 2
> element antennas. Anyway, everything is together and I am
> now in the process of fine tuning the thing to 10.1 mhz.
> Initial measurements indicate a resonance frequency of 9.6
> mhz with an swr of 1.1: 1.0. At 10.1 mhz the swr is 1.8 : 1.
> So, apparently, I have some tuning to do on the driven
> element. But, and here's where I need the help of the
> experience of reflector, the antenna, as it is being measured
> now, is only 5' off the ground and the element tips are only
> 12" - 18" off the ground (there's approximately 36" of droop
> - boom to tip - in each element). This has got to have some
> effect on the resonant frequency as I'm measuring it. Anyone
> have some advice on making sure this thing is on frequency
> before I put it atop the tower? I sure don't want to be put
> it up and take down multiple times for the sake of tuning.
> Once up, it's up, tuned or not.
>
> Thanks in advance.
>
> Dave, W8QW

5491. Re: [ham-antennas] 30 Yagi

Yahoo group: ham-antennas (2008)
Date: 2008-08-05 03:32:54 UTC
From: Kenneth D. Grimm, K4XL
Topic: 5489 Message: 5491

Dave wrote:
> I need the help of the group. I have built a 30 meter, 3 element yagi based upon the design found in the ARRL Antenna Handbook. Actually it's a combination of 2 40 meter, 2 element antennas. Anyway, everything is together and I am now in the process of fine tuning the thing to 10.1 mhz. Initial measurements indicate a resonance frequency of 9.6 mhz with an swr of 1.1: 1.0. At 10.1 mhz the swr is 1.8 : 1. So, apparently, I have some tuning to do on the driven element. But, and here's where I need the help of the experience of reflector, the antenna, as it is being measured now, is only 5' off the ground and the element tips are only 12" - 18" off the ground (there's approximately 36" of droop - boom to tip - in each element). This has got to have some effect on the resonant frequency as I'm measuring it. Anyone have some advice on making sure this thing is on frequency before I put it atop the tower? I sure don't want to be put it up and take down multiple times for the sake of tuning. Once up, it's up, tuned or not.
>
> Thanks in advance.
>
> Dave, W8QW
>
>
>

Frankly, five feet is not a sufficient height for getting any meaningful SWR curve information. In fact, being that close to the ground would certainly make the antenna tune lower in frequency, just like yours is. I doubt that you would get a reasonably accurate curve unless you were 12-15 feet up. A 30 mx 3 element yagi is big and unwieldy, however, if you could manage to hang it on the tower at 15 feet, I think that you would find that the SWR curve will have moved up to where you would like it to be and if not, you could lower it down to ground level and make the necessary corrections.
Good luck with your tuning, OM.
73,
Ken - K4XL

--

Ken K4XL
k4xl@...

*** BoatAnchor Manual Archive ***
On the web at http://bama.sbc.edu and http://bama.edebris.com
FTP site info: bama.sbc.edu login: anonymous p/w: youremailadr

No virus found in this outgoing message.
Checked by AVG - http://www.avg.com
Version: 8.0.138 / Virus Database: 270.5.12/1590 - Release Date: 8/4/2008 8:09 AM

5492. Explain this one - 10m Single Wire Antenna

Yahoo group: ham-antennas (2008)
Date: 2008-08-05 18:12:43 UTC
From: SB
Topic: 5492 Message: 5492

Ok - so I took the calculation for a half wave at 10m. Used zip cord/ 22 gauge speaker wire (nothing special). Never unzipped the wire. Just left the 2 conductors stuck together. Tested it and YES it did not work. So I unzipped half of the counterpoise/ wire connected to the braided part of the 50ohm coax..and cut it off. And then tested it YES it did not work (meaning the swr was not even close to a match). So I then took the driven part of the wire and pulled back and used tape to keep it from unraveling in 3 sections.. the top, the middle and then at the end I twisted it around the 2 conductors until I got a match(4 to fove turns..very sloppy turns).. I got a 1:1 match. I tested it in the basement and it was ripping through the phone making the lights glow! Ok.. now I took it outside and did the test in a vertical position and WOW I am hearing stations on 10m. Ok ☐ So its only 1 foot off the ground being supported by a wooden post I used for a bird house. Clear of all metal and got a 1:3 swr ☐ pretty happy..The 10m band has been pretty weak.. tried calling but no luck. No local stations to test it with; but its receiving and is a match. Why? Ugly as sin. Would need a plumbers tubing to support it next time around and I will test it again... but very odd why it works or even matches less a tuner.

5493. Re: Explain this one - 10m Single Wire Antenna

Yahoo group: ham-antennas (2008)
Date: 2008-08-06 02:35:15 UTC
From: SB
Topic: 5492 Message: 5493

--- In ham-antennas@yahoogroups.com, "SB" <inlineskater19km@...>
wrote:
>
> Ok - so I took the calculation for a half wave at 10m. Used zip
cord/
> 22 gauge speaker wire (nothing special). Never unzipped the wire.
Just
> left the 2 conductors stuck together. Tested it and YES it did not
> work. So I unzipped half of the counterpoise/ wire connected to the
> braided part of the 50ohm coax..and cut it off. And then tested it
YES
> it did not work (meaning the swr was not even close to a match). So
I
> then took the driven part of the wire and pulled back and used tape
to
> keep it from unraveling in 3 sections.. the top, the middle and
then at
> the end I twisted it around the 2 conductors until I got a match(4
to
> fove turns..very sloppy turns).. I got a 1:1 match. I tested it in
the
> basement and it was ripping through the phone making the lights
glow!
> Ok.. now I took it outside and did the test in a vertical position
and
> WOW I am hearing stations on 10m. Ok ☐ So its only 1 foot off the
> ground being supported by a wooden post I used for a bird house.
Clear
> of all metal and got a 1:3 swr ☐ pretty happy..The 10m band has
been
> pretty weak.. tried calling but no luck. No local stations to test
it
> with; but its receiving and is a match. Why? Ugly as sin. Would
need a
> plumbers tubing to support it next time around and I will test it
> again... but very odd why it works or even matches less a tuner.
>

Ok to follow with this odd ball antenna.. I tried it this afternoon
at 14:30 EST and 10m was open here... I worked 2 stations one in Ohio
and another in Arkansas. Compared against my commercial antenna and
it was 1-2 units less + it picked up 3 units of static..as where my
commercial antenna did not.. The commercial antenna was on mag mount
on top of my van. And my wonder wire was place 1.5 feet above the

ground and suspended by a tree branch. Well for an emergency type antenna ☐ it works. Next will be to place it in a plumbers pipe and actually mount it up much higher. Mind you,.. if the static continues.. forget it ☐ way to noisy. But it does emit a signal..an on 10m I can dig that.

5494. Re: [ham-antennas] Explain this one - 10m Single Wire Antenna

Yahoo group: ham-antennas (2008)
Date: 2008-08-06 16:37:10 UTC
From: Andy
Topic: 5492 Message: 5494

I'm having a little trouble understanding your descriptions.

"YES it did not work" ... do you mean the SWR was bad, or that you weren't heard and/or didn't hear others?

Half-wave end-fed? Half wave dipole? Center-fed? Coax fed, no balun, right?

What exactly did you change to get from a huge SWR to a 1:1 match? All I can tell is you apparently removed insulation (somewhere) and applied tape, which should not have changed much at all, if the conductors are still in the same place. If the SWR reduced by that much, then I'm guessing something else was going on, like a loose connection.

Andy

5495. Re: Explain this one - 10m Single Wire Antenna

Yahoo group: ham-antennas (2008)
Date: 2008-08-06 16:49:30 UTC
From: SB
Topic: 5492 Message: 5495

--- In ham-antennas@yahoogroups.com, Andy <Andy.groups@...> wrote:
>
> I'm having a little trouble understanding your descriptions.
>
> "YES it did not work" ... do you mean the SWR was bad, or that you
weren't
> heard and/or didn't hear others?
>
> Half-wave end-fed? Half wave dipole? Center-fed? Coax fed, no
balun,
> right?
>
> What exactly did you change to get from a huge SWR to a 1:1 match?
All I
> can tell is you apparently removed insulation (somewhere) and
applied tape,
> which should not have changed much at all, if the conductors are
still in
> the same place. If the SWR reduced by that much, then I'm guessing
> something else was going on, like a loose connection.
>
> Andy
>

I had taken the assumption that it would not work. Meaning a high swr and could not tune it with a tuner.. well from the little attempt I did, it would not tune. No balun and swr 3+. The wire is end feed. Keeping the 2 wire intact.. until half way I cut off the wire connecting to the braided part of the coax and then took the driven piece of wire that was now single and pulled it back and taped it to avoid it from coming apart and then taped it also in the middle and finally..at the end twisted it around the 2 conductor piece of wire and adjusted until I got a match.. did that make sense? I have photos of this ugly wire antenna.

5496. EVX6000 Anybody had a go with this antenna ?

Yahoo group: ham-antennas (2008)
Date: 2008-08-06 19:45:03 UTC
From: Chris Moore
Topic: 5496 Message: 5496

Just wondering if anybody has had a go on the bands with this antenna.
I have had a second hand one in the spare room for months but have
never had a go with it.
Any posatives and negatives are welcome...

M3XLG

5497. Tunable horizontal loop

Yahoo group: ham-antennas (2008)
Date: 2008-08-08 18:13:29 UTC
From: Tom
Topic: 5497 Message: 5497

Hello Ham Antenna Group,

Here's my latest antenna doodling.
Isn't Windows Paint great?

See http://ph.groups.yahoo.com/group/ham-antennas/photos/view/f4ef?b=11

Cheers.

Tom
KE6YNH, 73
San Diego, CA

[Non-text portions of this message have been removed]

5498. More antenna doodling

Yahoo group: ham-antennas (2008)
Date: 2008-08-10 05:23:34 UTC
From: Tom
Topic: 5498 Message: 5498

Hello Ham Antenna Group,

More antenna doodling.....this
time a remotely tuned loop antenna
using just a capacitor, a motor(stepping?)
and a potentiometer. Read the voltage
on the pot for a crude analog memory
or get fancy with a shaft encoder, SWR
bridge and microprocessor for a full
blown autotune antenna. See
http://ph.groups.yahoo.com/group/ham-antennas/photos/view/f4ef?b=13

Cheers.

Tom
KE6YNH, 73
San Diego, CA

[Non-text portions of this message have been removed]

5499. Larson NMO 2/70 Swr question

Yahoo group: ham-antennas (2008)
Date: 2008-08-13 01:55:58 UTC
From: Joey
Topic: 5499 Message: 5499

I have a question. I have a Larson NMO 2/70 antenna mounted in the middle of my roof on a 92 Chevrolet pickup. Tonight I borrowed my friends MFJ antenna analyzer to check the antenna, well the meter reads the following. 144-145mhz 1.6swr and 145-148 1.5swr and a flat 1.5swr on uhf. I have tried to get the swr down a tad but I have been unable to. I thought maybe the mount was not getting a good ground but it is and and I have checked it twice. I know it is grounded because I can connect my multimeter between the plug shell and chassis and get continuity. I don't know what else to do? Has any one else had this problem with this antenna? I was thinking of cutting maybe a little off the end in hopes the swr would come down any one done this? Also I assume that a swr of 1.5 wont hurt the rig? I know 2 or more is bad. Any Ideas?

Thanks,
Joey

5500. Re: [ham-antennas] Larson NMO 2/70 Swr question

Yahoo group: ham-antennas (2008)
Date: 2008-08-13 02:48:43 UTC
From: N0ATH
Topic: 5499 Message: 5500

Hello Joey - Assuming that your analyzer is giving you a
correct reading , I am thinking it all probable your antenna
is to short by a small amount - If you lengthen it, will it not
drop further still on your higher vhf freqs? All the while
keeping an eye on your UHF so as not let it take off to far.
A reading of a 2. should give you a reflected power of
around 11% - a 1.5 should be close to 4% - If I can assist in
any way feel free to call - 73
Dave / N?ATH

----- Original Message -----
From: "Joey" <scannerman@...>
To: <ham-antennas@yahoogroups.com>
Sent: Tuesday, August 12, 2008 8:55 PM
Subject: [ham-antennas] Larson NMO 2/70 Swr question

I have a question. I have a Larson NMO 2/70 antenna mounted in the
middle of my roof on a 92 Chevrolet pickup. Tonight I borrowed my
friends MFJ antenna analyzer to check the antenna, well the meter
reads the following. 144-145mhz 1.6swr and 145-148 1.5swr and a flat
1.5swr on uhf. I have tried to get the swr down a tad but I have been
unable to. I thought maybe the mount was not getting a good ground but
it is and and I have checked it twice. I know it is grounded because I
can connect my multimeter between the plug shell and chassis and get
continuity. I don't know what else to do? Has any one else had this
problem with this antenna? I was thinking of cutting maybe a little
off the end in hopes the swr would come down any one done this? Also I
assume that a swr of 1.5 wont hurt the rig? I know 2 or more is bad.
Any Ideas?

Thanks,
Joey

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 974
members (as of 11/07/07,
and attachments are NOT permitted.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

No virus found in this incoming message.
Checked by AVG - http://www.avg.com

Version: 8.0.138 / Virus Database: 270.6.1/1608 - Release Date: 8/12/2008 4:59 PM

5501. Re: [ham-antennas] Larson NMO 2/70 Swr question

Yahoo group: ham-antennas (2008)
Date: 2008-08-13 02:54:38 UTC
From: MAXXOUT2@AOL.COM
Topic: 5499 Message: 5501

Your 440 SWR is lower because for a shorter antenna it is looking at a lager ground plane.
The 1/5 is 100% acceptable but check your SWR at the bottom and the the top of the 2 meter band and see what kind of readings you get then post them here.
BOB
AF2Q

In a message dated 8/12/2008 7:00:36 PM Pacific Standard Time, scannerman@... writes:

I have a question. I have a Larson NMO 2/70 antenna mounted in the middle of my roof on a 92 Chevrolet pickup. Tonight I borrowed my friends MFJ antenna analyzer to check the antenna, well the meter reads the following. 144-145mhz 1.6swr and 145-148 1.5swr and a flat 1.5swr on uhf. I have tried to get the swr down a tad but I have been unable to. I thought maybe the mount was not getting a good ground but it is and and I have checked it twice. I know it is grounded because I can connect my multimeter between the plug shell and chassis and get continuity. I don't know what else to do? Has any one else had this problem with this antenna? I was thinking of cutting maybe a little off the end in hopes the swr would come down any one done this? Also I assume that a swr of 1.5 wont hurt the rig? I know 2 or more is bad.
Any Ideas?

Thanks,
Joey

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Read reviews on AOL Autos.
(http://autos.aol.com/cars-BMW-128-2008/expert-review?ncid=aolaut00050000000017)

[Non-text portions of this message have been removed]

5502. Re: [ham-antennas] Larson NMO 2/70 Swr question

Yahoo group: ham-antennas (2008)
Date: 2008-08-13 03:05:38 UTC
From: Leonard K. Pennock
Topic: 5499 Message: 5502

At 1.5:1 I wouldn't even worry about it. Your radio will be fine and
with the amount of coax you are running the loss won't be an issue.
Don't worry just be happy.

Joey wrote:
> I have a question. I have a Larson NMO 2/70 antenna mounted in the
> middle of my roof on a 92 Chevrolet pickup. Tonight I borrowed my
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> Thanks,
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Leonard K. Pennock
AD7AS

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find that they very rarely lose or fail.

5503. RE: [ham-antennas] Larson NMO 2/70 Swr question

Yahoo group: ham-antennas (2008)
Date: 2008-08-13 03:07:35 UTC
From: J. Harrell
Topic: 5499 Message: 5503

Bob,

When using the meter I get 1:6:1 at 144mhz and 1:5:1 at 148mhz. I take it that the antenna is a little short? If so how can I lengthen it? I have not done any cutting on it as it is stock.

Thanks,

Joey

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of MAXXOUT2@...
Sent: Tuesday, August 12, 2008 10:55 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Larson NMO 2/70 Swr question

Your 440 SWR is lower because for a shorter antenna it is looking at a lager

ground plane.
The 1/5 is 100% acceptable but check your SWR at the bottom and the the top of the 2 meter band and see what kind of readings you get then post them here.
BOB
AF2Q

In a message dated 8/12/2008 7:00:36 PM Pacific Standard Time, scannerman@... <mailto:scannerman%40embarqmail.com> writes:

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[Non-text portions of this message have been removed]

5504. RE: [ham-antennas] Larson NMO 2/70 Swr question

Yahoo group: ham-antennas (2008)
Date: 2008-08-13 03:10:33 UTC
From: J. Harrell
Topic: 5499 Message: 5504

Thanks for replying,

Thanks for the reply, I have a question regarding swr. I take it that 1:5:1 won't hurt a radio or damage it correct? Now on the other hand anything over 1:5:1 is not good and can damage the radio correct? What I am trying to say is what is the maximum swr reading that won't damage the components in the radio?

Thanks,

Joey

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Leonard K. Pennock
Sent: Tuesday, August 12, 2008 11:06 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Larson NMO 2/70 Swr question

At 1.5:1 I wouldn't even worry about it. Your radio will be fine and with the amount of coax you are running the loss won't be an issue. Don't worry just be happy.

Joey wrote:
> I have a question. I have a Larson NMO 2/70 antenna mounted in the
> middle of my roof on a 92 Chevrolet pickup. Tonight I borrowed my
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> Thanks,
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[Non-text portions of this message have been removed]

5505. Re: [ham-antennas] Larson NMO 2/70 Swr question

Yahoo group: ham-antennas (2008)
Date: 2008-08-13 03:54:19 UTC
From: Leonard K. Pennock
Topic: 5499 Message: 5505

It depends on the radio. My Yaesu FT90 and FT8900 have the fold back feature set at 3:1. My 857 is somewhere around 2:1. I wouldn't be concerned until you get over 2:1 but would be real concerned at 3:1. Best thing to do is call the radio manufacture and ask if they have fold back and if so what SWR it kicks in at. Anything under the fold back point the manufacture considers safe for that radio. If they don't have fold back they would probably tell you where you need to be concerned but I would be surprised if they worried about anything under 2:1.

J. Harrell wrote:
> Thanks for replying,
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> Thanks for the reply, I have a question regarding swr. I take it that 1:5:1
> won't hurt a radio or damage it correct? Now on the other hand anything
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>
> Thanks,
>
> Joey
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>
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> From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On
> Behalf Of Leonard K. Pennock
> Sent: Tuesday, August 12, 2008 11:06 PM
> To: ham-antennas@yahoogroups.com
> Subject: Re: [ham-antennas] Larson NMO 2/70 Swr question
>
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> At 1.5:1 I wouldn't even worry about it. Your radio will be fine and
> with the amount of coax you are running the loss won't be an issue.
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> Joey wrote:
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5506. Cushcraft R-7000 Traps

Yahoo group: ham-antennas (2008)
Date: 2008-08-13 03:57:48 UTC
From: Mark Saunders, KJ7BS
Topic: 5506 Message: 5506

I am rebuilding my R-7000 traps. Has anyone done this? I'm most interested in what you used as an inductor form and how you secured it to the trap body.

Mark, KJ7BS
Glendale, AZ
Editor, The SKCC Centurion
Elecraft K2 S/N 0539
Fists # 2972 CC 1806
SKCC # 2240 C56 T20

MQFD # 128
QRP-ARCI # 12647
AZ ScQRPions

COGRC Emergency Communications

[Non-text portions of this message have been removed]

5507. Re: [ham-antennas] Larson NMO 2/70 Swr question

Yahoo group: ham-antennas (2008)
Date: 2008-08-13 04:00:48 UTC
From: Leonard K. Pennock
Topic: 5499 Message: 5507

Larson optimizes for FM section of the band. Your flat reading on
145-148 of 1.5:1 agrees with that. They are a little short because of
favoring the upper end of the band. You can try moving the whip out to
the point the antenna is just barely held by the set screw but I doubt
it will buy you much.

J. Harrell wrote:
> Bob,
>
> When using the meter I get 1:6:1 at 144mhz and 1:5:1 at 148mhz. I take it
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>
>
>
> Thanks,
>
> Joey
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>
>
> From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On
> Behalf Of MAXXOUT2@...
> Sent: Tuesday, August 12, 2008 10:55 PM
> To: ham-antennas@yahoogroups.com
> Subject: Re: [ham-antennas] Larson NMO 2/70 Swr question
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> The 1/5 is 100% acceptable but check your SWR at the bottom and the the top
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> In a message dated 8/12/2008 7:00:36 PM Pacific Standard Time,
> scannerman@... <mailto:scannerman%40embarqmail.com> writes:
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5508. RE: [ham-antennas] Larson NMO 2/70 Swr question

Yahoo group: ham-antennas (2008)
Date: 2008-08-13 04:14:44 UTC
From: J. Harrell
Topic: 5499 Message: 5508

Thanks for replying,

That makes me feel better. I have a 857D and a FT7800 so I think I might be ok after all.

Thanks for the comments.

Joey

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Leonard K. Pennock
Sent: Tuesday, August 12, 2008 11:54 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Larson NMO 2/70 Swr question

It depends on the radio. My Yaesu FT90 and FT8900 have the fold back feature set at 3:1. My 857 is somewhere around 2:1. I wouldn't be concerned until you get over 2:1 but would be real concerned at 3:1. Best thing to do is call the radio manufacture and ask if they have fold back and if so what SWR it kicks in at. Anything under the fold back point the manufacture considers safe for that radio. If they don't have fold back they would probably tell you where you need to be concerned but I would be surprised if they worried about anything under 2:1.

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[mailto:ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
] On
> Behalf Of Leonard K. Pennock

> Sent: Tuesday, August 12, 2008 11:06 PM
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
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5509. RE: [ham-antennas] Larson NMO 2/70 Swr question

Yahoo group: ham-antennas (2008)
Date: 2008-08-13 04:21:20 UTC
From: J. Harrell
Topic: 5499 Message: 5509

Your exactly right, I tried to move the antenna out to the point of barely being held in and it didn't do a thing. I think I am going to just let the thing ride like it is. I don't think it will hurt me FT7800 anyway.

Thanks,

Joey

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Leonard K. Pennock
Sent: Wednesday, August 13, 2008 12:01 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Larson NMO 2/70 Swr question

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> Sent: Tuesday, August 12, 2008 10:55 PM
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No virus found in this incoming message.
Checked by AVG - http://www.avg.com
Version: 8.0.138 / Virus Database: 270.6.1/1608 - Release Date: 8/12/2008
4:59 PM

[Non-text portions of this message have been removed]

5510. Re: [ham-antennas] Larson NMO 2/70 Swr question

Yahoo group: ham-antennas (2008)
Date: 2008-08-13 09:57:59 UTC
From: MAXXOUT2@AOL.COM
Topic: 5499 Message: 5510

Joey,
The SWR is fine.
The biggest harm to any radio is HEAT so you don't want to use more power then needed.
The dual band is optimized for 440
You can also see how much RF is on the coax buy using a florescent tube and have someone hold down the MIC button.
On my antennas I use top quality cell phone coax
BOB
AF2Q

In a message dated 8/12/2008 8:10:50 PM Pacific Standard Time, scannerman@... writes:

Thanks for replying,

Thanks for the reply, I have a question regarding swr. I take it that 1:5:1 won't hurt a radio or damage it correct? Now on the other hand anything over 1:5:1 is not good and can damage the radio correct? What I am trying to say is what is the maximum swr reading that won't damage the components in the radio?

Thanks,

Joey

**********Looking for a car that's sporty, fun and fits in your budget?
Read reviews on AOL Autos.
(http://autos.aol.com/cars-BMW-128-2008/expert-review?ncid=aolaut00050000000017)

[Non-text portions of this message have been removed]

5511. RE: [ham-antennas] Larson NMO 2/70 Swr question

Yahoo group: ham-antennas (2008)
Date: 2008-08-13 13:58:38 UTC
From: J. Harrell
Topic: 5499 Message: 5511

Bob,

Thanks for replying. That makes me feel better and I will stop worrying about it. I use the VHF band more anyway and always use only the lowest amount of power needed anyway.

Thanks again,

Joey

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of MAXXOUT2@...
Sent: Wednesday, August 13, 2008 5:58 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Larson NMO 2/70 Swr question

Joey,
The SWR is fine.
The biggest harm to any radio is HEAT so you don't want to use more power then needed.
The dual band is optimized for 440
You can also see how much RF is on the coax buy using a florescent tube and have someone hold down the MIC button.
On my antennas I use top quality cell phone coax
BOB
AF2Q

In a message dated 8/12/2008 8:10:50 PM Pacific Standard Time, scannerman@... <mailto:scannerman%40embarqmail.com> writes:

Thanks for replying,

Thanks for the reply, I have a question regarding swr. I take it that 1:5:1 won't hurt a radio or damage it correct? Now on the other hand anything over 1:5:1 is not good and can damage the radio correct? What I am trying to say is what is the maximum swr reading that won't damage the components in the radio?

Thanks,

Joey

**********Looking for a car that's sporty, fun and fits in your budget? Read reviews on AOL Autos.
(http://autos.aol.com/cars-BMW-128-2008/expert-review?ncid=aolaut00050000000017)

[Non-text portions of this message have been removed]

No virus found in this incoming message.
Checked by AVG - http://www.avg.com
Version: 8.0.138 / Virus Database: 270.6.1/1608 - Release Date: 8/12/2008
4:59 PM

[Non-text portions of this message have been removed]

5512. windom antenna

Yahoo group: ham-antennas (2008)
Date: 2008-08-13 16:03:41 UTC
From: steven17071969
Topic: 5512 Message: 5512

I am quite new to this so if anyone can help it would be very appreciated. I am thinking of making a windom antenna for my garden. Would it be ok to have the antenna sloping down the garden? Say 35 foot at one end and 20 foot at the other?

5513. Mobile Mismatch - any ideas?

Yahoo group: ham-antennas (2008)
Date: 2008-08-13 16:21:04 UTC
From: SB
Topic: 5513 Message: 5513

I tried my FT100D in the van for the 1st time last night. When I connected the antenna through the SWR meter (10m antenna connected) it was a good match less than 1.5. Then I connected my old MFJ-949E antenna tuner to tune anything higher when I climbed up the band. Well I tested it with the built in dummy load and it was fine. Then I tried bypass (at the same location of where I was 1.5 without the tuner) and the swr climb into the red pass 3(odd - really odd). I tried tuning it in the tuned position and I couldn't(would not budge). I removed it and all was fine without the tuner on the line. I then grounded the tuner andstill the same reaction.

I then tried the tuner inside the house on a wire antenna laying on the floor and it tuned it (not with the same radio - but with the same patch cords) it worked 100%.. tuned the wire no problem.

Any ideas why or what I'm doing wrong. I did not ground the radio nor the antenna, as it's a magnet mount (I could try this also.. but I have my doubts).

5514. Re: [ham-antennas] Mobile Mismatch - any ideas?

Yahoo group: ham-antennas (2008)
Date: 2008-08-13 16:34:30 UTC
From: Leonard K. Pennock
Topic: 5513 Message: 5514

Did you use the same antenna side connector on the MFJ for both tests?

SB wrote:
> I tried my FT100D in the van for the 1st time last night. When I
> connected the antenna through the SWR meter (10m antenna connected) it
> was a good match less than 1.5. Then I connected my old MFJ-949E
> antenna tuner to tune anything higher when I climbed up the band. Well
> I tested it with the built in dummy load and it was fine. Then I tried
> bypass (at the same location of where I was 1.5 without the tuner) and
> the swr climb into the red pass 3(odd - really odd). I tried tuning it
> in the tuned position and I couldn't(would not budge). I removed it and
> all was fine without the tuner on the line. I then grounded the tuner
> andstill the same reaction.
>
> I then tried the tuner inside the house on a wire antenna laying on the
> floor and it tuned it (not with the same radio - but with the same
> patch cords) it worked 100%.. tuned the wire no problem.
>
> Any ideas why or what I'm doing wrong. I did not ground the radio nor
> the antenna, as it's a magnet mount (I could try this also.. but I have
> my doubts).
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 974
members (as of 11/07/07, and attachments are NOT permitted.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
--
Leonard K. Pennock
AD7AS

Those who walk bravely through life, unafraid of loss or failure,
find that they very rarely lose or fail.

5515. Re: [ham-antennas] windom antenna

Yahoo group: ham-antennas (2008)
Date: 2008-08-13 16:45:15 UTC
From: NICK LERRO
Topic: 5512 Message: 5515

STEVE
I have mine at 15 feet the other side 22 feet
and the apex 33 feet and I make contact all over the world
love my Windom
oh by the way I made a Carolina Windom
at the same height as the Windom and awesome reports form all over the world
with both antennas
good luck
have fun
73
w3nrl
----- Original Message -----
From: steven17071969<mailto:urbanghost@...>
To: ham-antennas@yahoogroups.com<mailto:ham-antennas@yahoogroups.com>
Sent: Wednesday, August 13, 2008 11:03 AM
Subject: [ham-antennas] windom antenna

I am quite new to this so if anyone can help it would be very
appreciated. I am thinking of making a windom antenna for my
garden. Would it be ok to have the antenna sloping down the garden?
Say 35 foot at one end and 20 foot at the other?

[Non-text portions of this message have been removed]

5516. Special Event

Yahoo group: ham-antennas (2008)
Date: 2008-08-13 17:35:50 UTC
From: Israel
Topic: 5516 Message: 5516

Hello to you all
I like to make and invitation to a special event that will be held at the Radio Telescope in Arecibo , Puerto rico commemorating the 45 years in use of the biggest radio telescope in the world we the hams that work their will organize with the ham community ,are going to transmitt on Hf and digital modes ,we will be live on the webcam also. on the net this will be on November 16 ,2008 from 08:00 to 16:OO hr hope to here from you on HF 73`s KP4LCL

5517. Re: [ham-antennas] Special Event

Yahoo group: ham-antennas (2008)
Date: 2008-08-13 18:05:01 UTC
From: Darryl Wagoner
Topic: 5516 Message: 5517

What time zone? Kind of odd hours for UTC time.

73
-darryl

Israel wrote:
>
>
> Hello to you all
> I like to make and invitation to a special event that will be held at
> the Radio Telescope in Arecibo , Puerto rico commemorating the 45
> years in use of the biggest radio telescope in the world we the hams
> that work their will organize with the ham community ,are going to
> transmitt on Hf and digital modes ,we will be live on the webcam
> also. on the net this will be on November 16 ,2008 from 08:00 to
> 16:OO hr hope to here from you on HF ???????73`s KP4LCL
>

5518. Re: [ham-antennas] windom antenna

Yahoo group: ham-antennas (2008)
Date: 2008-08-13 19:22:43 UTC
From: Ken Burchfield
Topic: 5512 Message: 5518

I would say Yes, OK give it a try.
What are you going to construct??
Lots of different versions
73 Ken

PacketRadio is Still Alive.....Mississippi.....145.010.....Simplex.....1200 Baud

----- Original Message ----
From: steven17071969 <urbanghost@...>
To: ham-antennas@yahoogroups.com
Sent: Wednesday, August 13, 2008 10:03:41 AM
Subject: [ham-antennas] windom antenna

I am quite new to this so if anyone can help it would be very
appreciated. I am thinking of making a windom antenna for my
garden. Would it be ok to have the antenna sloping down the garden?
Say 35 foot at one end and 20 foot at the other?

__.

[Non-text portions of this message have been removed]

5519. Re: [ham-antennas] A Home brew antenna story...

Yahoo group: ham-antennas (2008)
Date: 2008-08-13 19:26:56 UTC
From: Wayne
Topic: 5391 Message: 5519

I cannot see the insulators you mention, at least not clearly enough to identify them.
It is a simple dipole, from what I can see, not sure why the coil though.
Unluckily, I lost the old handbooks I had, and newer ones hve fewer details
The only item I have left from that time, or older, is a soldering iron that my dad said was mine. And not sure I even want to plug it in, as the cord is hard, as I recall, and the tip is flakey/corroded. I recall tinning one with a Sal Ammoniac block many years ago. Hard to imagine soldering connections with the beast now. Had a number of irons through the years.
My first Novice antenna was an end fed wire, circa 1973, give or take, with a home brew tuner.
Rochester NY to Washington state on 15 at night.
For the record, I am, and was, the only ham in my immediate family, AFAIK...

Wayne WA2YNE

On Wed, 23 Jul 2008 07:41:05 -0500, Leo <lcr_retired@...> wrote:

> Hello Group,
> A few days ago my brother and I picked up an old Rohn tower from a
> relative. They told me there was an antenna in one of their sheds.
> They said they thought it was the antenna that my late father and I
> made for my use when I became a Novice in 1959.
>
> I retrived the antenna and it was the very same one I used in 1959.
> It was amazing that they got it from my father when I left the farm
> and saved it for nearly 50 years.
>
> I plan to clean it up and restore it. I would very much like to
> restore it to it's original condition. The antenna was constructed
> from plans shown in the 1959 "The Radio Amateur's Handbook".
>
> I am looking for the stand-off insulators shown in the photos that I
> uploaded in album labeled "lcr_retired K9RSO". I have located
> insulators that will work but having the original type would be
> great.
>
> I will upload photos after it is restored. I tested the SWR in the
> position shown in the first photo. The SWR was 1.2 over the 15 meter
> CW band.
>
> 73, Leo K9RSO
>

--
Using Opera's revolutionary e-mail client: http://www.opera.com/mail/

5520. Re: windom antenna

Yahoo group: ham-antennas (2008)
Date: 2008-08-13 19:38:35 UTC
From: steven17071969
Topic: 5512 Message: 5520

> What are you going to construct??

not sure really, I have been looking online for some plans. I have a 4:1 balun, 22 meters of wire and 25 meters of space to put it in. Any suggestions?

5521. Re: [ham-antennas] Special Event

Yahoo group: ham-antennas (2008)
Date: 2008-08-13 21:37:20 UTC
From: israel cabrera
Topic: 5516 Message: 5521

Hi
hour for special event? was Puero Rico local time in UTC should be from 12:00 to 20:00 hr
sorry for the inconvenience.....73`s Kp4lcl

--- On Wed, 8/13/08, Darryl Wagoner <darryl@...> wrote:

From: Darryl Wagoner <darryl@...>
Subject: Re: [ham-antennas] Special Event
To: ham-antennas@yahoogroups.com
Date: Wednesday, August 13, 2008, 7:05 PM

What time zone? Kind of odd hours for UTC time.

73
-darryl

Israel wrote:
>
>
> Hello to you all
> I like to make and invitation to a special event that will be held at
> the Radio Telescope in Arecibo , Puerto rico commemorating the 45
> years in use of the biggest radio telescope in the world we the hams
> that work their will organize with the ham community ,are going to
> transmitt on Hf and digital modes ,we will be live on the webcam
> also. on the net this will be on November 16 ,2008 from 08:00 to
> 16:OO hr hope to here from you on HF ???????73`s KP4LCL
>

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to
ALL 974 members (as of 11/07/07, and attachments are NOT permitted.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

[Non-text portions of this message have been removed]

5522. Re: [ham-antennas] Re: windom antenna

Yahoo group: ham-antennas (2008)
Date: 2008-08-13 22:17:58 UTC
From: Ken Burchfield
Topic: 5512 Message: 5522

Steven you may want to try for your space this.,if you are set for Windom.
should work 40-10
total length 66ft
short end 25 ft
long end 41 ft
basic for windon is 1/3 2/3 ocf
here are a couple of links....may have to scale for you area of garden space
http://www.radioworks.com/ccw40.html
http://www.g4nsj.co.uk/windom.shtml
good luck
73 Ken k5jxl@...
if I can help further

PacketRadio is Still Alive.....Mississippi.....145.010.....Simplex.....1200 Baud

----- Original Message ----
From: steven17071969 <urbanghost@...>
To: ham-antennas@yahoogroups.com
Sent: Wednesday, August 13, 2008 1:38:35 PM
Subject: [ham-antennas] Re: windom antenna

> What are you going to construct??

not sure really, I have been looking online for some plans. I have a
4:1 balun, 22 meters of wire and 25 meters of space to put it in. Any
suggestions?

--

[Non-text portions of this message have been removed]

5523. Re: Mobile Mismatch - any ideas?

Yahoo group: ham-antennas (2008)
Date: 2008-08-14 12:07:09 UTC
From: SB
Topic: 5513 Message: 5523

Yes I used the same in connector and I also tried the other connector...same results

Yesterday, I tried it again. This time I removed the SWR meter and it worked with the tuner fine. I measured my SWR using the light bar SWR meter in the rig. BUT - The antenna starts acting up after longer periods of transmissions. The swr starts to climb and then BOOM, it flairs into the red. I think I found the issue. Mind you I was stationary and I thought maybe the antenna had a broken joint or something... so I grabbed the whip and let it shoot around, keyed the rig, no changed.. same results ☐ meaning back to normal and then it starts to climb. The antenna has issues 100% - time for a new mobile antenna. But all fails with both the tuner and swr meter on the line the antenna has a social problem of some type.

--- In ham-antennas@yahoogroups.com, "Leonard K. Pennock" <leonardpennock@...> wrote:
>
> Did you use the same antenna side connector on the MFJ for both tests?
>
> SB wrote:
> > I tried my FT100D in the van for the 1st time last night. When I
> > connected the antenna through the SWR meter (10m antenna connected) it
> > was a good match less than 1.5. Then I connected my old MFJ-949E
> > antenna tuner to tune anything higher when I climbed up the band. Well
> > I tested it with the built in dummy load and it was fine. Then I tried
> > bypass (at the same location of where I was 1.5 without the tuner) and
> > the swr climb into the red pass 3(odd - really odd). I tried tuning it
> > in the tuned position and I couldn't(would not budge). I removed it and
> > all was fine without the tuner on the line. I then grounded the tuner
> > andstill the same reaction.
> >
> > I then tried the tuner inside the house on a wire antenna laying on the
> > floor and it tuned it (not with the same radio - but with the same
> > patch cords) it worked 100%.. tuned the wire no problem.
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> > Any ideas why or what I'm doing wrong. I did not ground the radio
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> > the antenna, as it's a magnet mount (I could try this also.. but
I have
> > my doubts).
> >
> >
> >
> > ----------
> >
> > HAM ANTENNAS Anything and everything, tell us or ask questions.
Replies go to ALL 974 members (as of 11/07/07, and attachments are
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> > Subscribe: ham-antennas-subscribe@yahoogroups.com
> > Unsubscribe: ham-antennas-unsubscribe@...m
> > List owner: ham-antennas-owner@yahoogroups.com
> > Yahoo! Groups Links
> >
> >
> >
> --
> Leonard K. Pennock
> AD7AS
>
> Those who walk bravely through life, unafraid of loss or failure,
> find that they very rarely lose or fail.
>

5524. Hamstick band

Yahoo group: ham-antennas (2008)
Date: 2008-08-14 12:38:54 UTC
From: James - KB7TBT
Topic: 5524 Message: 5524

I have a hamstick here that I don't have a clue what freq. it is on. I have tried to contact Lakeview and they are taking guesses at what it is. I would have thought they would know what they have and make but apparently this is not true.

I am guessing it is a 20M, Lakeview says "maybe a 17M".

On the bottom there are 3 wraps of wire in a 12 inch area.

The main section or coil has about 30 smaller wraps.

At the top there is 3 wraps within a 6 inch section.

Then you have the standard whip.

Anyone have an idea?

James
KB7TBT
NEGARC Activities Manager
www.kb7tbt.com
www.ne4ga.org
www.myspace.com/kb7tbt

5525. Re: [ham-antennas] Hamstick band

Yahoo group: ham-antennas (2008)
Date: 2008-08-14 12:49:24 UTC
From: Dan Schaaf
Topic: 5524 Message: 5525

James

The easiest way is to put an SWR meter between the rig and antenna and then try to tune on each band. Look for the lowest SWR per band.

If you have access to an MFJ Antenna analyzer, it will also tell you the resonant frequency.

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com "In the Beginning, there was Spark Gap"

----- Original Message -----
From: James - KB7TBT
To: ham-antennas@yahoogroups.com
Sent: Thursday, August 14, 2008 8:38 AM
Subject: [ham-antennas] Hamstick band

I have a hamstick here that I don't have a clue what freq. it is on. I have tried to contact Lakeview and they are taking guesses at what it is. I would have thought they would know what they have and make but apparently this is not true.

I am guessing it is a 20M, Lakeview says "maybe a 17M".

On the bottom there are 3 wraps of wire in a 12 inch area.

The main section or coil has about 30 smaller wraps.

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Then you have the standard whip.

Anyone have an idea?

James
KB7TBT
NEGARC Activities Manager
www.kb7tbt.com
www.ne4ga.org
www.myspace.com/kb7tbt

[Non-text portions of this message have been removed]

5526. Re: [ham-antennas] Re: Mobile Mismatch - any ideas?

Yahoo group: ham-antennas (2008)
Date: 2008-08-14 12:51:09 UTC
From: MAXXOUT2@AOL.COM
Topic: 5513 Message: 5526

Been reading this thread and find it difficult to follow just what your doing.
Question 1
When you tune the wire on the floor are you using the jumpers on the back of the tuner?Question 2.
Wht are you using an external SWR bridge when the tuner has one built in.
You then try the wire with a different radio.
It seems more like a thermal problem to me but leave the rig in the car/van and try a mag mount antenna for a different band.
Changing radio then trying a long wire on the floor just gets you lost.
Try low power and a different inductor setting on the tuner
Adjust the antenna for the lowest SWR before you rry to tune it.
Many hams just slap on any antenna then try to let the tuner do the job.
Try a different tuner.
Place a dummy load and a SWR meter at the end if the coax then run medium power for a while.
If things stay stable then you can rule out any thermal problem in the tuner or rig.
Make a small dipole 1/2W long.
Doesn't have to be high.
It;s only 16+ feet long.
Load into that.
If every thing looks good then the coil on the mag mount may be heating up
Just my 2 cents wiorth.
BOB
AF2Q <_http://groups.yahoo.com/group/CW-Code-Warriors/_
(http://groups.yahoo.com/group/CW-Code-Warriors/) >

In a message dated 8/14/2008 5:07:47 AM Pacific Standard Time, inlineskater19km@... writes:

Yesterday, I tried it again. This time I removed the SWR meter and it worked with the tuner fine. I measured my SWR using the light bar SWR meter in the rig. BUT - The antenna starts acting up after longer periods of transmissions. The swr starts to climb and then BOOM

**********Looking for a car that's sporty, fun and fits in your budget?
Read reviews on AOL Autos.
(http://autos.aol.com/cars-BMW-128-2008/expert-review?ncid=aolaut00050000000017)

[Non-text portions of this message have been removed]

5527. Re: [ham-antennas] Hamstick band

Yahoo group: ham-antennas (2008)
Date: 2008-08-14 13:04:25 UTC
From: James - KB7TBT
Topic: 5524 Message: 5527

Yes that would be the easy way out, but I have never been one to take the easy road...hi hi.

I really don't have anything to mount this to at the moment, I can come up with something and pull a rabbit out but I thought that if maybe there are some folks on the list that had a few of these I could get a quicker answer. I have a ball and spring mount, maybe ill just vice grip it to the fence and see what it does..

As far as an analyzer, I wish I hade one.. Still on the xmas list..

James
KB7TBT
NEGARC Activities Manager
www.kb7tbt.com
www.ne4ga.org
www.myspace.com/kb7tbt

> James
>
> The easiest way is to put an SWR meter between the rig and antenna and
> then try to tune on each band. Look for the lowest SWR per band.
>
> If you have access to an MFJ Antenna analyzer, it will also tell you the
> resonant frequency.
>
> Best Regards
> Dan Schaaf

5528. Re: [ham-antennas] Re: Mobile Mismatch - any ideas?

Yahoo group: ham-antennas (2008)
Date: 2008-08-14 13:09:01 UTC
From: Stan Labinsky Jr.
Topic: 5513 Message: 5528

I wonder, SB, if you might have some sort of instability in the radio's final amp.
Not that the radio is defective mind you, but that the combination of cable lengths; the environment, the stuff in the line and THAT particular radio are adding up to a problem.
If you can get hold of a broad band, and I mean into the VHF regions, field strength meter and set it up to monitor the radiated field, I wonder if you'll see an increase in field strength when the system goes postal.
A nice wideband spectrum analyzer would be 'the' perfect tool, but not too many folks have them just laying around in their shop.
Even one of those hand held frequency counters might be useful, if the parasitic (if one is really there) is strong enough to override the frequency the radio is supposed to be putting out, one with a great enough frequency range.
While manufacturers do test their stuff for "All" circumstances, we do have an annoying habit of coming up with the odd bit... ;-)

Good hunting,

Stan

----- Original Message -----
From: SB
To: ham-antennas@yahoogroups.com
Sent: Thursday, August 14, 2008 8:07 AM
Subject: [ham-antennas] Re: Mobile Mismatch - any ideas?

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>
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>
> SB wrote:

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> > antenna tuner to tune anything higher when I climbed up the band.
Well
> > I tested it with the built in dummy load and it was fine. Then I
tried
> > bypass (at the same location of where I was 1.5 without the
tuner) and
> > the swr climb into the red pass 3(odd - really odd). I tried
tuning it
> > in the tuned position and I couldn't(would not budge). I removed
it and
> > all was fine without the tuner on the line. I then grounded the
tuner
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> > I then tried the tuner inside the house on a wire antenna laying
on the
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> > Any ideas why or what I'm doing wrong. I did not ground the radio
nor
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I have
> > my doubts).
> >
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> >
> > ------------------------------------
> >
> > HAM ANTENNAS Anything and everything, tell us or ask questions.
Replies go to ALL 974 members (as of 11/07/07, and attachments are
NOT permitted.
> > Post message: ham-antennas@yahoogroups.com
> > Subscribe: ham-antennas-subscribe@yahoogroups.com
> > Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> > List owner: ham-antennas-owner@yahoogroups.com
> > Yahoo! Groups Links
> >
> >
> >
> --
> Leonard K. Pennock
> AD7AS
>
> Those who walk bravely through life, unafraid of loss or failure,
> find that they very rarely lose or fail.

>

[Non-text portions of this message have been removed]

5529. Re: Special Event

Yahoo group: ham-antennas (2008)
Date: 2008-08-14 13:16:53 UTC
From: W2ZEY
Topic: 5516 Message: 5529

On Wed Aug 13, 2008 kp4lcl wrote:
< ... a special event that will be held at the Radio Telescope in Arecibo ,
Puerto Rico commemorating the 45 years in use of the biggest radio telescope
in the world we the hams
that work their will organize with the ham community ,are going to transmitt
on Hf and digital modes ... >

Sounds like a great event. Will digital modes include PSK31? Thanks.

73 / Larry / W2ZEY

5530. Re: [ham-antennas] Re: Mobile Mismatch - any ideas?

Yahoo group: ham-antennas (2008)
Date: 2008-08-14 13:49:53 UTC
From: Leonard K. Pennock
Topic: 5513 Message: 5530

When I had that kind of intermittent problem it turned out to be the coax I had going to the antenna mount. In one case it was a cold solder joint in the PL259 and in the other it was a problem with the lug at the antenna mount. I would start by replacing the connectors on the coax to the antenna.

SB wrote:
> Yes I used the same in connector and I also tried the other
> connector...same results
>
> Yesterday, I tried it again. This time I removed the SWR meter and it
> worked with the tuner fine. I measured my SWR using the light bar SWR
> meter in the rig. BUT - The antenna starts acting up after longer
> periods of transmissions. The swr starts to climb and then BOOM, it
> flairs into the red. I think I found the issue. Mind you?I was
> stationary and I thought maybe the antenna had a broken joint or
> something... so I grabbed the whip and let it shoot around, keyed the
> rig, no changed.. same results ? meaning back to normal and then it
> starts to climb. The antenna has issues 100% - time for a new mobile
> antenna. But all fails with both the tuner and swr meter on the line?
> the antenna has a social problem of some type.
>

--
Leonard K. Pennock
AD7AS

Those who walk bravely through life, unafraid of loss or failure,
find that they very rarely lose or fail.

5531. Re: windom antenna

Yahoo group: ham-antennas (2008)
Date: 2008-08-14 14:53:30 UTC
From: kg6xf
Topic: 5512 Message: 5531

I used a windom for years which was made by Friztel in Germany. Worked fine on 80/40/20/10 meters. I did not have a tuner in those days, I just loaded up the PA directly in to the coax. Used it mainly on 80/40 since I had a 3-el beam. Enjoy it, it is fine antenna.. Yes, one end drooped to about 20 ft, the other was high up in a tree.

--- In ham-antennas@yahoogroups.com, "steven17071969" <urbanghost@...> wrote:
>
> I am quite new to this so if anyone can help it would be very
> appreciated. I am thinking of making a windom antenna for my
> garden. Would it be ok to have the antenna sloping down the garden?
> Say 35 foot at one end and 20 foot at the other?
>

5532. Station Antenna progression

Yahoo group: ham-antennas (2008)
Date: 2008-08-14 15:14:34 UTC
From: Kevin
Topic: 5532 Message: 5532

I am looking for suggestions for new antennas for my station.
My Station:ground mounted Hustler 6BTV, Cushcraft D4 rotatble dipole
at 40 ft and three 20meter slopers on the 40 ft tower with remote
switching. FT-890AT 100watts.
The main issue is "EARS" normally if I can hear I can work them.
The D4 is the best antenna I have up right now.
My location is a suburb w/restrictions but they allowed my tower. They
may not allow a beam on my tower??
I have 153 countries worked with 121 confirmed.
I mainly work DX.
I got my ticket and went onto the air 03/2007.
So!!! I need an antenna with the best RX/TX that will out-do my D4.
Not really interested in power amps.
Any ideas?????

Thanks
K9KDS

5533. Re: Station Antenna progression

Yahoo group: ham-antennas (2008)
Date: 2008-08-14 16:05:05 UTC
From: Alan Wilson
Topic: 5532 Message: 5533

The best antenna for the upper hf bands and lowest profile is the hexbeam, I built my broadband hexbeam, but you can buy them too, not the broadband but a good one from Mike Traffie...73, Alan

5534. Re: Station Antenna progression

Yahoo group: ham-antennas (2008)
Date: 2008-08-15 03:17:01 UTC
From: ve3kni1
Topic: 5532 Message: 5534

How many ground radials do you have with the 6btv? Can you roof mount
it?
Terry

In ham-antennas@yahoogroups.com, "Kevin" <kdsi@...> wrote:
>
> I am looking for suggestions for new antennas for my station.
> My Station:ground mounted Hustler 6BTV, Cushcraft D4 rotatble dipole
> at 40 ft and three 20meter slopers on the 40 ft tower with remote
> switching. FT-890AT 100watts.
> The main issue is "EARS" normally if I can hear I can work them.
> The D4 is the best antenna I have up right now.
> My location is a suburb w/restrictions but they allowed my tower.
They
> may not allow a beam on my tower??
> I have 153 countries worked with 121 confirmed.
> I mainly work DX.
> I got my ticket and went onto the air 03/2007.
> So!!! I need an antenna with the best RX/TX that will out-do my D4.
> Not really interested in power amps.
> Any ideas?????
>
> Thanks
> K9KDS
>

5535. Re: Station Antenna progression

Yahoo group: ham-antennas (2008)
Date: 2008-08-15 13:12:49 UTC
From: Kevin
Topic: 5532 Message: 5535

I have 60 radials, no on the roof mount XYL and neighbors would go crazy.

--- In ham-antennas@yahoogroups.com, "ve3kni1" <ve3kni@...> wrote:
>
> How many ground radials do you have with the 6btv? Can you roof mount
> it?
> Terry
>
> In ham-antennas@yahoogroups.com, "Kevin" <kdsi@> wrote:
> >
> > I am looking for suggestions for new antennas for my station.
> > My Station:ground mounted Hustler 6BTV, Cushcraft D4 rotatble dipole
> > at 40 ft and three 20meter slopers on the 40 ft tower with remote
> > switching. FT-890AT 100watts.
> > The main issue is "EARS" normally if I can hear I can work them.
> > The D4 is the best antenna I have up right now.
> > My location is a suburb w/restrictions but they allowed my tower.
> They
> > may not allow a beam on my tower??
> > I have 153 countries worked with 121 confirmed.
> > I mainly work DX.
> > I got my ticket and went onto the air 03/2007.
> > So!!! I need an antenna with the best RX/TX that will out-do my D4.
> > Not really interested in power amps.
> > Any ideas?????
> >
> > Thanks
> > K9KDS
> >
>

5536. folded dipole

Yahoo group: ham-antennas (2008)
Date: 2008-08-15 17:44:54 UTC
From: Doug
Topic: 5536 Message: 5536

Hello group,
I just rescued two folded dipoles from my place of work. They were probably constructed for the commercial band, about 400 Mhz+. Can these antennae be modified for 2m use? Any ideas out there?

Cheers!
Doug...
VA30005SWL

5537. Re: folded dipole

Yahoo group: ham-antennas (2008)
Date: 2008-08-16 16:57:37 UTC
From: bushpilot169
Topic: 5536 Message: 5537

--- In ham-antennas@yahoogroups.com, "Doug" <dxreddog@...> wrote:
>
> Hello group,
> I just rescued two folded dipoles from my place of work. They were
> probably constructed for the commercial band, about 400 Mhz+. Can
these
> antennae be modified for 2m use? Any ideas out there?
>
> Cheers!
> Doug...
> VA30005SWL
>
i picked up a 2 bay folded dipole from the maintance dept here
where i live the freq for it was 151.830. and im useing it for
2 meter with no problem and the swr is a 1.2.1 for me.

5538. Re: [ham-antennas] folded dipole

Yahoo group: ham-antennas (2008)
Date: 2008-08-16 23:09:05 UTC
From: Andy
Topic: 5536 Message: 5538

> I just rescued two folded dipoles from my place of work. They were
> probably constructed for the commercial band, about 400 Mhz+. Can these
> antennae be modified for 2m use? Any ideas out there?

Going from 400+ to 144 MHz would be quite a challenge. Doing it right probably requires starting over. The dipoles need to be about three times as big as they are now.

Save them for something else. Such as 70cm.

Andy

5539. Re: [ham-antennas] Re: folded dipole

Yahoo group: ham-antennas (2008)
Date: 2008-08-17 03:14:42 UTC
From: Don Poaps
Topic: 5536 Message: 5539

There's the formula for figuring out how long dipole should be.

Find the length of a dipole

Freq. in MHz

The total length of your dipole is:
It will be on a side.

144 MHZ total length is 3 ft 3-1/32 in

each side 1 ft 7-1/2 in

if We do the 440 MHZ

Total Length 1ft. 0 - 25/32in.

each side 0ft. 6 - 13/32in.

http://bfn.org/~bn589/antenna.html

Check it out using calculator

Don VA7DGP

From: bushpilot169
Sent: Saturday, August 16, 2008 9:57 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: folded dipole

--- In ham-antennas@yahoogroups.com, "Doug" <dxreddog@...> wrote:
>
> Hello group,
> I just rescued two folded dipoles from my place of work. They were
> probably constructed for the commercial band, about 400 Mhz+. Can
these
> antennae be modified for 2m use? Any ideas out there?
>
> Cheers!
> Doug...
> VA30005SWL
>
i picked up a 2 bay folded dipole from the maintance dept here
where i live the freq for it was 151.830. and im useing it for
2 meter with no problem and the swr is a 1.2.1 for me.

[Non-text portions of this message have been removed]

5540. Re: Station Antenna progression

Yahoo group: ham-antennas (2008)
Date: 2008-08-18 17:22:54 UTC
From: ash_lee52
Topic: 5532 Message: 5540

A very efficient (directional and low angle) DX antenna is a half square. These can be mounted very close to the ground. Essentially the antenna is 1/2 WL across the top with 1/4 WL wires hanging down at each end and fed on one corner. So you build it like a dipole with 1/4 WL on one side and 3/4 on the other. The top can be just over 1/4 WL up (for 20 meters thats 17 feet. Support it by the coax at one end and with a line to the opposite corner of the other end. It's very light so you only need minimal support line. It is very inconspiculous and gives you the performance of a beam.

One question for the group... using EZNEC I modeled this antenna upside down, putting the horizontal element just inches off the ground. The modelling shows this actualloy improves performance... does this make sense. Essentially I believe the model says it becomes two 1/4 length verticals fed in phase... with little/no horizontal propagation.

WW0AL Ash

--- In ham-antennas@yahoogroups.com, "Alan Wilson" <ke4nu7@...> wrote:
>
> The best antenna for the upper hf bands and lowest profile is the
> hexbeam, I built my broadband hexbeam, but you can buy them too, not
> the broadband but a good one from Mike Traffie...73, Alan
>

5541. Re: [ham-antennas] Re: Station Antenna progression

Yahoo group: ham-antennas (2008)
Date: 2008-08-18 18:52:19 UTC
From: Andy
Topic: 5532 Message: 5541

I've only read about Half-squares, but what I've read looks good.

The ARRL antenna book (I think) says you can mount it somewhat lower if you need to, by bending the vertical ends inward, or even by angling the vertical elements as long as you keep them symmetrical. Most of the radiation comes from the top part of the verticals (where top is near the horizontal 1/2 wavelength run), so the bottom ends are much less critical.

> One question for the group... using EZNEC I modeled this antenna upside
> down, putting the horizontal element just inches off the ground. The
> modelling shows this actualloy improves performance... does this make
> sense.

I think it may. The horizontal wire is the counterpoise, so it normally doesn't need (or use) a good ground or radial system. Inverting it makes it a low elevated counterpoise/radial, and may get some added benefit by working off the ground too, if the ground in your area is good.

On the other hand, inverting it also moves the high current point close to the ground (earth), which means there could be higher ground losses because of mirror currents in the soil. Ground losses and their effect on efficiency are sometimes not modeled very accurately in antenna modeling programs.

Andy

5542. Create RC5-3 Rotor Control

Yahoo group: ham-antennas (2008)
Date: 2008-08-18 22:06:14 UTC
From: William Trippett
Topic: 5542 Message: 5542

Hi everyone. I am new to this forum so I hope someone here can give me some help.

I have a Create RC5-3 Roptor and Rotor controller. A while ago the indicator on the controller quit working. The rotator continues to set the direction as indicated on the Preset Knob but the indicator just sits in one place.

The check everything out I brought the rotator down and went through is carefully. The potentiometer in the rotator is working correctly (and if it didn't I am assuming that the preset would not drive the rotator). The connections are ok and everything seems to be feeding into the controller properly but it still does not indicate the direction on the dial.

I do not have a schematic of the controller so it is hard to guess how the indicator works. It operates off of what appears to be a small worm drive which has the direction indicating needle on it and also has a small spur gear that drives a potentiometer on in the controller. The worm gear dirve is connected to a circuit board with ICs and transistors.

Is anyone familiar with this unit? Any suggstions?

Thanks.
73
Bill

5543. RF & No Trespassing Signs

Yahoo group: ham-antennas (2008)
Date: 2008-08-19 13:07:24 UTC
From: frontrowe1
Topic: 5543 Message: 5543

I have two different signs up on an ebay auction if anyone is interested. The RF Caution signs are the official type used at cell towers.
The Warning/No Trespassing sign reads:

WARNING

THIS SITE IS OPERATED UNDER THE AUTHORITY OF THE FEDERAL COMMUNICATIONS COMMISSION. ANY TAMPERING OR TRESPASS IS A VIOLATION OF FEDERAL REGULATIONS.

NO TRESPASSING

View both of the signs and details by pasting this link into your browser.

http://shop.ebay.com/merchant/brjecass

Thanks for looking.
BR

5544. transformer oil substitute

Yahoo group: ham-antennas (2008)
Date: 2008-08-19 17:43:34 UTC
From: G B
Topic: 5544 Message: 5544

Hello,

Does anyone know of good oil to use in the Heath Cantenna besides mineral oil or transformer oil? I see mineral oil is $2 pint.

73's

Glen K4KV

5545. Re: [ham-antennas] transformer oil substitute

Yahoo group: ham-antennas (2008)
Date: 2008-08-19 17:52:57 UTC
From: Earl Needham
Topic: 5544 Message: 5545

G B wrote:
>
>
> Hello,
>
> Does anyone know of good oil to use in the Heath Cantenna
> besides mineral oil or transformer oil? I see mineral oil is
> $2 pint.

Years ago I read that you can use Mazola or any other "cooking" oil
with a slight reduction in power-handling capability. If I had one
today, I'd sure do that instead of the original transformer oil.

7 3
Earl
--
KD5XB -- Earl Needham
Clovis, New Mexico DM84jk
http://groups.yahoo.com/group/cw_bugs
Quoting from the Coast Guard: ZUT

5546. Larsen 2/70 question

Yahoo group: ham-antennas (2008)
Date: 2008-08-19 17:54:23 UTC
From: Earl Needham
Topic: 5546 Message: 5546

Is the old-style Larsen 2-70NMO antenna, with the CLOSED coils still available? Recently, I called three different stores, and all the had were the new, black antennas, with the air-wound coils.

Thanks,
Earl

--
KD5XB -- Earl Needham
Clovis, New Mexico DM84jk
http://groups.yahoo.com/group/cw_bugs
Quoting from the Coast Guard: ZUT

5547. Re: [ham-antennas] transformer oil substitute

Yahoo group: ham-antennas (2008)
Date: 2008-08-19 18:01:37 UTC
From: Chris
Topic: 5544 Message: 5547

I would think that cooking oil, once it goes rancid would be less than desirable in the shack.

On Tue, Aug 19, 2008 at 1:52 PM, Earl Needham <needhame1@...> wrote:
> G B wrote:
>>
>>
>> Hello,
>>
>> Does anyone know of good oil to use in the Heath Cantenna
>> besides mineral oil or transformer oil? I see mineral oil is
>> $2 pint.
>
> Years ago I read that you can use Mazola or any other "cooking" oil
> with a slight reduction in power-handling capability. If I had one
> today, I'd sure do that instead of the original transformer oil.
>
> 7 3
> Earl
> --
> KD5XB -- Earl Needham
> Clovis, New Mexico DM84jk
> http://groups.yahoo.com/group/cw_bugs
> Quoting from the Coast Guard: ZUT
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 974 members (as of 11/07/07, and attachments are NOT permitted.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
>

5548. Re: [ham-antennas] Larsen 2/70 question

Yahoo group: ham-antennas (2008)
Date: 2008-08-19 18:02:53 UTC
From: Leonard K. Pennock
Topic: 5546 Message: 5548

Doesn't show in their online catalog. They only list the NMO2/70B. The still list it for the commercial band as NMO150/450C but I don't' know what it would take to bring it into the ham bands.

What's wrong with the open coil?

Earl Needham wrote:
> Is the old-style Larsen 2-70NMO antenna, with the CLOSED coils still
> available? Recently, I called three different stores, and all the had
> were the new, black antennas, with the air-wound coils.
>
> Thanks,
> Earl
>

--
Leonard K. Pennock
AD7AS

Those who walk bravely through life, unafraid of loss or failure,
find that they very rarely lose or fail.

5549. Re: [ham-antennas] Larsen 2/70 question

Yahoo group: ham-antennas (2008)
Date: 2008-08-19 18:05:47 UTC
From: Earl Needham
Topic: 5546 Message: 5549

Leonard K. Pennock wrote:
>
>
> Doesn't show in their online catalog. They only list the NMO2/70B. The
> still list it for the commercial band as NMO150/450C but I don't' know
> what it would take to bring it into the ham bands.
>
> What's wrong with the open coil?

I just don't like it -- plus, I have occasionally heard them whistle
when the wind and vehicle speed are just right. Or is that just wrong...

7 3
Earl
--
KD5XB -- Earl Needham
Clovis, New Mexico DM84jk
http://groups.yahoo.com/group/cw_bugs
Quoting from the Coast Guard: ZUT

5550. Re: [ham-antennas] transformer oil substitute

Yahoo group: ham-antennas (2008)
Date: 2008-08-19 18:06:23 UTC
From: Earl Needham
Topic: 5544 Message: 5550

Chris wrote:
>
>
> I would think that cooking oil, once it goes rancid would be less than
> desirable in the shack.

Can that stuff spoil? I've never seen any spoil.

E.
--
KD5XB -- Earl Needham
Clovis, New Mexico DM84jk
http://groups.yahoo.com/group/cw_bugs
Quoting from the Coast Guard: ZUT

5551. Re: [ham-antennas] transformer oil substitute

Yahoo group: ham-antennas (2008)
Date: 2008-08-19 18:12:40 UTC
From: pmihnovets@comporium.net
Topic: 5544 Message: 5551

Go to tractor supply get a gallon of mineral oil for 11 bucks
Sent from my Verizon Wireless BlackBerry

-----Original Message-----
From: Earl Needham <needhame1@...>

Date: Tue, 19 Aug 2008 11:52:57
To: <ham-antennas@yahoogroups.com>
Subject: Re: [ham-antennas] transformer oil substitute

G B wrote:
>
>
> Hello,
>
> Does anyone know of good oil to use in the Heath Cantenna
> besides mineral oil or transformer oil? I see mineral oil is
> $2 pint.

Years ago I read that you can use Mazola or any other "cooking" oil
with a slight reduction in power-handling capability. If I had one
today, I'd sure do that instead of the original transformer oil.

7 3
Earl
--
KD5XB -- Earl Needham
Clovis, New Mexico DM84jk
http://groups.yahoo.com/group/cw_bugs
Quoting from the Coast Guard: ZUT

[Non-text portions of this message have been removed]

5552. Re: [SPAM]Re: [ham-antennas] transformer oil substitute

Yahoo group: ham-antennas (2008)
Date: 2008-08-19 18:14:30 UTC
From: Bill Coulson
Topic: 5544 Message: 5552

Or Wal-Mart. Look for tractor hydraulic fluid

Bill

----- Original Message -----
From: pmihnovets@...
To: ham-antennas@yahoogroups.com
Sent: Tuesday, August 19, 2008 11:12 AM
Subject: [SPAM]Re: [ham-antennas] transformer oil substitute

Go to tractor supply get a gallon of mineral oil for 11 bucks
Sent from my Verizon Wireless BlackBerry

-----Original Message-----
From: Earl Needham <needhame1@...>

Date: Tue, 19 Aug 2008 11:52:57
To: <ham-antennas@yahoogroups.com>
Subject: Re: [ham-antennas] transformer oil substitute

G B wrote:
>
>
> Hello,
>
> Does anyone know of good oil to use in the Heath Cantenna
> besides mineral oil or transformer oil? I see mineral oil is
> $2 pint.

Years ago I read that you can use Mazola or any other "cooking" oil
with a slight reduction in power-handling capability. If I had one
today, I'd sure do that instead of the original transformer oil.

7 3
Earl
--
KD5XB -- Earl Needham
Clovis, New Mexico DM84jk
http://groups.yahoo.com/group/cw_bugs
Quoting from the Coast Guard: ZUT

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

5553. Re: [ham-antennas] transformer oil substitute

Yahoo group: ham-antennas (2008)
Date: 2008-08-19 18:25:06 UTC
From: Ruben Echevarria
Topic: 5544 Message: 5553

Have you seen what Mazzola Corn oil goes for now?
Here in New Jersey it's 9.99 for a 3 quart container,
it's not even a gallon anymore. Anyway I used automatic
transmission fluid for years with no problems.
 Ruben Echevarria KA2HHB
SKCC #2132 EPC#3390
10-10 International Club #33308

----- Original Message ----
From: G B <microsys@...>
To: ham antennas <ham-antennas@yahoogroups.com>
Sent: Tuesday, August 19, 2008 1:43:34 PM
Subject: [ham-antennas] transformer oil substitute

Hello,

Does anyone know of good oil to use in the Heath Cantenna
besides mineral oil or transformer oil? I see mineral oil is
$2 pint.

73's

Glen K4KV

[Non-text portions of this message have been removed]

5554. RE: [SPAM]Re: [ham-antennas] transformer oil substitute

Yahoo group: ham-antennas (2008)
Date: 2008-08-19 19:05:15 UTC
From: G B
Topic: 5544 Message: 5554

Bill,

So you would think hydraulic fluid or maybe synthetic oil is OK???

73's

Glen K4KV

-----Original Message-----
From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]On
Behalf Of Bill Coulson
Sent: Tuesday, August 19, 2008 2:15 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [SPAM]Re: [ham-antennas] transformer oil substitute

Or Wal-Mart. Look for tractor hydraulic fluid

Bill

----- Original Message -----
From: pmihnovets@...
To: ham-antennas@yahoogroups.com
Sent: Tuesday, August 19, 2008 11:12 AM
Subject: [SPAM]Re: [ham-antennas] transformer oil substitute

Go to tractor supply get a gallon of mineral oil for 11 bucks
Sent from my Verizon Wireless BlackBerry

-----Original Message-----
From: Earl Needham <needhame1@...>

Date: Tue, 19 Aug 2008 11:52:57
To: <ham-antennas@yahoogroups.com>
Subject: Re: [ham-antennas] transformer oil substitute

G B wrote:
>
>
> Hello,
>
> Does anyone know of good oil to use in the Heath Cantenna
> besides mineral oil or transformer oil? I see mineral oil is
> $2 pint.

Years ago I read that you can use Mazola or any other "cooking" oil
with a slight reduction in power-handling capability. If I had one
today, I'd sure do that instead of the original transformer oil.

7 3
Earl
--
KD5XB -- Earl Needham
Clovis, New Mexico DM84jk
http://groups.yahoo.com/group/cw_bugs
Quoting from the Coast Guard: ZUT

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

5555. Re: [SPAM]Re: [ham-antennas] transformer oil substitute

Yahoo group: ham-antennas (2008)
Date: 2008-08-19 19:08:38 UTC
From: pmihnovets@comporium.net
Topic: 5544 Message: 5555

Make sure it is rated for bucket trucks it is designed with higher insolating properties
Sent from my Verizon Wireless BlackBerry

-----Original Message-----
From: "G B" <microsys@...>

Date: Tue, 19 Aug 2008 15:05:15
To: <ham-antennas@yahoogroups.com>
Subject: RE: [SPAM]Re: [ham-antennas] transformer oil substitute

Bill,

So you would think hydraulic fluid or maybe synthetic oil is OK???

73's

Glen K4KV

-----Original Message-----
From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]On
Behalf Of Bill Coulson
Sent: Tuesday, August 19, 2008 2:15 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [SPAM]Re: [ham-antennas] transformer oil substitute

Or Wal-Mart. Look for tractor hydraulic fluid

Bill

----- Original Message -----
From: pmihnovets@...
To: ham-antennas@yahoogroups.com
Sent: Tuesday, August 19, 2008 11:12 AM
Subject: [SPAM]Re: [ham-antennas] transformer oil substitute

Go to tractor supply get a gallon of mineral oil for 11 bucks
Sent from my Verizon Wireless BlackBerry

-----Original Message-----
From: Earl Needham <needhame1@...>

Date: Tue, 19 Aug 2008 11:52:57
To: <ham-antennas@yahoogroups.com>
Subject: Re: [ham-antennas] transformer oil substitute

G B wrote:
>
>

> Hello,
>
> Does anyone know of good oil to use in the Heath Cantenna
> besides mineral oil or transformer oil? I see mineral oil is
> $2 pint.

Years ago I read that you can use Mazola or any other "cooking" oil
with a slight reduction in power-handling capability. If I had one
today, I'd sure do that instead of the original transformer oil.

7 3
Earl
--
KD5XB -- Earl Needham
Clovis, New Mexico DM84jk
http://groups.yahoo.com/group/cw_bugs
Quoting from the Coast Guard: ZUT

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

5556. Re: [SPAM]Re: [SPAM]Re: [ham-antennas] transformer oil substitute

Yahoo group: ham-antennas (2008)
Date: 2008-08-19 19:56:19 UTC
From: Bill Coulson
Topic: 5544 Message: 5556

yes

----- Original Message -----
From: pmihnovets@...
To: ham-antennas@yahoogroups.com
Sent: Tuesday, August 19, 2008 12:08 PM
Subject: [SPAM]Re: [SPAM]Re: [ham-antennas] transformer oil substitute

Make sure it is rated for bucket trucks it is designed with higher insolating properties
Sent from my Verizon Wireless BlackBerry

-----Original Message-----
From: "G B" <microsys@...>

Date: Tue, 19 Aug 2008 15:05:15
To: <ham-antennas@yahoogroups.com>
Subject: RE: [SPAM]Re: [ham-antennas] transformer oil substitute

Bill,

So you would think hydraulic fluid or maybe synthetic oil is OK???

73's

Glen K4KV

-----Original Message-----
From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]On
Behalf Of Bill Coulson
Sent: Tuesday, August 19, 2008 2:15 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [SPAM]Re: [ham-antennas] transformer oil substitute

Or Wal-Mart. Look for tractor hydraulic fluid

Bill

----- Original Message -----
From: pmihnovets@...
To: ham-antennas@yahoogroups.com
Sent: Tuesday, August 19, 2008 11:12 AM
Subject: [SPAM]Re: [ham-antennas] transformer oil substitute

Go to tractor supply get a gallon of mineral oil for 11 bucks
Sent from my Verizon Wireless BlackBerry

-----Original Message-----
From: Earl Needham <needhame1@...>

Date: Tue, 19 Aug 2008 11:52:57
To: <ham-antennas@yahoogroups.com>
Subject: Re: [ham-antennas] transformer oil substitute

G B wrote:
>
>
> Hello,
>
> Does anyone know of good oil to use in the Heath Cantenna
> besides mineral oil or transformer oil? I see mineral oil is
> $2 pint.

Years ago I read that you can use Mazola or any other "cooking" oil
with a slight reduction in power-handling capability. If I had one
today, I'd sure do that instead of the original transformer oil.

7 3
Earl
--
KD5XB -- Earl Needham
Clovis, New Mexico DM84jk
http://groups.yahoo.com/group/cw_bugs
Quoting from the Coast Guard: ZUT

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

5557. Using 40 m antenna on 15 meters

Yahoo group: ham-antennas (2008)
Date: 2008-08-19 21:57:55 UTC
From: oceanbiz01
Topic: 5557 Message: 5557

Hello all,

As I understand, a 40 meter antenna can be used successfully on 15 meters. So, my question is this, can the antenna be a short 40 meter antenna with traps or must the antenna be full size such as a full size 40 meter dipole, inverted V or 1/4 wave vertical with 1/4 wave radials?

Dan
K3ZXL

5558. RE: [ham-antennas] Using 40 m antenna on 15 meters

Yahoo group: ham-antennas (2008)
Date: 2008-08-19 22:05:18 UTC
From: Kirk Morrison
Topic: 5557 Message: 5558

You can with a tuner or stub use any of them, sometimes even without the tuner, it is about 3/2 wave antenna

Kirk

> To: ham-antennas@yahoogroups.com
> From: dan-schaaf@...
> Date: Tue, 19 Aug 2008 21:57:55 +0000
> Subject: [ham-antennas] Using 40 m antenna on 15 meters
>
>
> Hello all,
>
> As I understand, a 40 meter antenna can be used successfully on 15
> meters. So, my question is this, can the antenna be a short 40 meter
> antenna with traps or must the antenna be full size such as a full
> size 40 meter dipole, inverted V or 1/4 wave vertical with 1/4 wave
> radials?
>
> Dan
> K3ZXL
>
>
>

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5559. Re: [ham-antennas] Larsen 2/70 question

Yahoo group: ham-antennas (2008)
Date: 2008-08-20 14:35:40 UTC
From: Stan Labinsky Jr.
Topic: 5546 Message: 5559

Hello all;

You might want to consider the Antenex, now Laird version.
My 2007 price guide gives the C144/440C as listing for 52.00.
Add ten more if you want the version with the shock spring, the C144/440CS.
They've worked well for me.

While I deal through a distributor (I do LMR installations & service),
I believe that you can buy direct from their website; www.antenex.com
or try this direct link, http://www.antenex.com/index051206.htm

Stan

----- Original Message -----
From: Earl Needham
To: ham-antennas@yahoogroups.com
Sent: Tuesday, August 19, 2008 2:05 PM
Subject: Re: [ham-antennas] Larsen 2/70 question

Leonard K. Pennock wrote:
>
>
> Doesn't show in their online catalog. They only list the NMO2/70B. The
> still list it for the commercial band as NMO150/450C but I don't' know
> what it would take to bring it into the ham bands.
>
> What's wrong with the open coil?

I just don't like it -- plus, I have occasionally heard them whistle
when the wind and vehicle speed are just right. Or is that just wrong...

7 3
Earl
--
KD5XB -- Earl Needham
Clovis, New Mexico DM84jk
http://groups.yahoo.com/group/cw_bugs
Quoting from the Coast Guard: ZUT

[Non-text portions of this message have been removed]

5560. REE; SUBSI TUTE FIR CAN;TWENNAN, OIL

Yahoo group: ham-antennas (2008)
Date: 2008-08-20 22:17:06 UTC
From: Drbob92031@aol.com
Topic: 5560 Message: 5560

HOW ABIUT AQSKING A GARAGE(AUTRO) FFORR SOME O F THE OIL HTHEY TTKSE OUT OF A CAR WHEN HTHYEYFO AN OIL CHANGWE.I DONT OWN A heath cantennne but what do you caRE IF THErE IES A POWEE LOSS IN THE USE O F THIS PRODUCT.
coat $0,00 or less.
73's de
Bob waseaw

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(http://information.travel.aol.com/deals?ncid=aoltrv00050000000047)

[Non-text portions of this message have been removed]

5561. capacitance

Yahoo group: ham-antennas (2008)
Date: 2008-08-20 23:52:13 UTC
From: dvdljns
Topic: 5561 Message: 5561

If I have a piece of wire that is 75 Ohm at 27 mhz How do I figare rhe capitance. I don't think it matters but the wire is 9.5 feet.

5562. capacitance

Yahoo group: ham-antennas (2008)
Date: 2008-08-21 01:19:40 UTC
From: david jones
Topic: 5561 Message: 5562

Ok if I have a wire 75 OHM at 27 MHZ what is the capacitance. What is the formala for that.

5563. Could I use CAT-5 cable as a transmission line?

Yahoo group: ham-antennas (2008)
Date: 2008-08-21 01:36:02 UTC
From: Clayton
Topic: 5563 Message: 5563

Hi,

I'm trying to sort out a better antenna system without spending too much $$. I had a thought about using the twisted pairs from Cat-5 network cable as a transmission line. This cable is designed for 100s of MHz with an impedance of about 100R. But will it work at carrying about 100W of RF (HF)? Has anyone tried this?

Of course the other way is to just build a ladder line using the wire - a cheap way to get wire since you get 8 metres of it for every metre of cable purchased. But is #24 wire okay for a transmission line?

So what doo you think? Has anyone tried such things?

73s
Clayton VK1TKA

5564. Re: [ham-antennas] capacitance

Yahoo group: ham-antennas (2008)
Date: 2008-08-21 01:42:27 UTC
From: Don Rand
Topic: 5561 Message: 5564

Try this website. From what I remember capacitance involves frequency and inductance, not resistance.

http://www.opamplabs.com/cfl.htm

Don
KA5DON

----- Original Message -----
From: david jones
To: ham-antennas@yahoogroups.com
Sent: Wednesday, August 20, 2008 8:19 PM
Subject: [ham-antennas] capacitance

Ok if I have a wire 75 OHM at 27 MHZ what is the capacitance. What is the formala for that.

[Non-text portions of this message have been removed]

5565. Re: [ham-antennas] Could I use CAT-5 cable as a transmission line?

Yahoo group: ham-antennas (2008)
Date: 2008-08-21 02:19:07 UTC
From: Don Poaps
Topic: 5563 Message: 5565

There's a Ham in our Club club that uses 30 G Magnetic wire with a homebrew ladder line. He gets great Q's with it.

Don

From: Clayton
Sent: Wednesday, August 20, 2008 6:36 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Could I use CAT-5 cable as a transmission line?

Hi,

I'm trying to sort out a better antenna system without spending too much $$. I had a thought about using the twisted pairs from Cat-5 network cable as a transmission line. This cable is designed for 100s of MHz with an impedance of about 100R. But will it work at carrying about 100W of RF (HF)? Has anyone tried this?

Of course the other way is to just build a ladder line using the wire - a cheap way to get wire since you get 8 metres of it for every metre of cable purchased. But is #24 wire okay for a transmission line?

So what doo you think? Has anyone tried such things?

73s
Clayton VK1TKA

[Non-text portions of this message have been removed]

5566. Half Square Antenna versus a simple multiband delta loop

Yahoo group: ham-antennas (2008)
Date: 2008-08-21 03:19:57 UTC
From: soona4sail
Topic: 5566 Message: 5566

With some usefull suggestions from other group members, I just tried a 20 mtr half square antenna, fed at one corner, using 52 ohm coax. Fed center to one vertical, and the braid to the horizontal section, and other vertical. I also put up a simple 20 mtr delta loop, fed with 450 ohm ladder line, to a balun, then to a tuner. (gives me multi band up to 10 mtrs) In my basic tests, the half square did some good dx, and was also quite respectable in North America from this Pacific northwest QTH. The delta loop, was/is doing an excellent job on DX into Europe, and the South Pacific, but is proving to be a poor antenna for short hops in North America. I,m not sure why, but when the loop is fed with coax, the short hop communication improves, but the DX drops off. I assume the coax feed is inducing a higher angle of radiation. Both antennas are orientated in the same direction (hung from the same rope, between two fir trees)
Thanks, and comments are appreciated. VE7MTW
By the way, both antennas perform quite well, and are incredibly cheap to construct if you don,t include the feedline.

5567. 80/40 Meter Super Loop

Yahoo group: ham-antennas (2008)
Date: 2008-08-21 03:45:14 UTC
From: William Trippett
Topic: 5567 Message: 5567

I just built a Super Loop as follows. The horizontal section is 98 feet long with an insulator at the middle. Connected to the insulator is a stub of 450 ohm window line shorted at the far end. The window line was cut to 7.025 MHz using my MFJ Antenna analyzer. The sides of the loop were cut to 64 feet and tested before installing the 4:1 balun. From there to the shack is RG8.

At the shack w/o the tuner on 80 meters (3.535 MHz) the SWR is 2.0:1. On 40 meters (7.025) the SWR is 1.4:1.

It will be interesting to hear how this antenna works. I am feeding it through an MFJ high power differential tuner and external QSK switches running my AL-800 and 4-1000A amps. I'd like to hear form anyone else who has used this type of antenna.

73
Bill
W7VP

5568. Re: [ham-antennas] capacitance

Yahoo group: ham-antennas (2008)
Date: 2008-08-21 08:00:08 UTC
From: danny garvin
Topic: 5561 Message: 5568

Google the cables manufacturer in there spec sheets there should have the pf / ft spec for example comscope RG-59 solid dialectric is 21pf / ft
Danny
   WB9RIM

----- Original Message ----
From: david jones <dvdljns@yahoo.com>
To: ham-antennas@yahoogroups.com
Sent: Wednesday, August 20, 2008 8:19:40 PM
Subject: [ham-antennas] capacitance

Ok if I have a wire 75 OHM at 27 MHZ what is the capacitance. What is the formala for that.

[Non-text portions of this message have been removed]

5569. suggested antenna for a Yaesu FT-450 with MFJ-925 tuner

Yahoo group: ham-antennas (2008)
Date: 2008-08-21 15:09:09 UTC
From: pa22161
Topic: 5569 Message: 5569

I have a FT-450 on order which I plan to use with a MFJ-925 tuner as a base. I plan to use it mainly on 3.975 Mhz.I will be using it on other bans also. I would like to use a long wire type antenna. The max height I would like to use is 40'any suggestions?

AJ4GU
Mike Crowe

5570. Re: [ham-antennas] Could I use CAT-5 cable as a transmission line?

Yahoo group: ham-antennas (2008)
Date: 2008-08-21 15:10:33 UTC
From: jeff
Topic: 5563 Message: 5570

Clayton wrote:
> I'm trying to sort out a better antenna system without spending too
> much $$. I had a thought about using the twisted pairs from Cat-5
> network cable as a transmission line. This cable is designed for 100s
> of MHz with an impedance of about 100R. But will it work at carrying
> about 100W of RF (HF)? Has anyone tried this?

Here's a semi-uneducated guess: don't.

I'm pretty sure there are formulas for figuring out what wire gauge to use, given wattage. I'm thinking CAT5 would not be suitable for much power at all (regardless of whether or not twisted pair would work).

As for twisted pair, since all xmission line I've seen is flat and various degrees of separated, I would reason that this is not a good idea either.

This is only my reasoning, as if I were asking myself the question. My answer is worth what you're paying for it though :)

Your mileage may vary.
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5571. Re: [ham-antennas] suggested antenna for a Yaesu FT-450 with MFJ-925 tuner

Yahoo group: ham-antennas (2008)
Date: 2008-08-21 15:16:33 UTC
From: Dan Schaaf
Topic: 5569 Message: 5571

The Alpha Delta DX-LB Plus will operate on 160 thru 10 meters as a trap dipole. They recommend 40 ft height minimum.
I use the DX-LB standard as an inverted V at 30 ft apex.
Previously I used the G5RV as inverted V on 80 and 60 meters at 30 ft apex. Got DXCC on 80, 35 countries on 60 m and with careful tuning (not recommended) got 26 countries on 160 meters. It is too short for 160 and my MFJ Versa Tuner gets hot on 160. That is why I bought the DX-LB.

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com "In the Beginning, there was Spark Gap"

----- Original Message -----
From: pa22161
To: ham-antennas@yahoogroups.com
Sent: Thursday, August 21, 2008 11:09 AM
Subject: [ham-antennas] suggested antenna for a Yaesu FT-450 with MFJ-925 tuner

I have a FT-450 on order which I plan to use with a MFJ-925 tuner as a
base. I plan to use it mainly on 3.975 Mhz.I will be using it on other
bans also. I would like to use a long wire type antenna. The max
height I would like to use is 40'any suggestions?

AJ4GU
Mike Crowe

[Non-text portions of this message have been removed]

5572. Re: [ham-antennas] Could I use CAT-5 cable as a transmission line?

Yahoo group: ham-antennas (2008)
Date: 2008-08-21 15:40:50 UTC
From: Dean
Topic: 5563 Message: 5572

Nothing says you can't twist all 8 wires together then
using some 6 inch PVC pipe make a 600 ohm ladder
line ....
73 Dean W5GXL@...

On Aug 21, 2008, at 10:10 AM, jeff wrote:

> Clayton wrote:
> > I'm trying to sort out a better antenna system without spending too
> > much $$. I had a thought about using the twisted pairs from Cat-5
> > network cable as a transmission line. This cable is designed for
> 100s
> > of MHz with an impedance of about 100R. But will it work at carrying
> > about 100W of RF (HF)? Has anyone tried this?
>
> Here's a semi-uneducated guess: don't.
>
> I'm pretty sure there are formulas for figuring out what wire gauge to
> use, given wattage. I'm thinking CAT5 would not be suitable for much
> power at all (regardless of whether or not twisted pair would work).
>
> As for twisted pair, since all xmission line I've seen is flat and
> various degrees of separated, I would reason that this is not a good
> idea either.
>
> This is only my reasoning, as if I were asking myself the question. My
> answer is worth what you're paying for it though :)
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>
>

[Non-text portions of this message have been removed]

5573. Re: 80/40 Meter Super Loop

Yahoo group: ham-antennas (2008)
Date: 2008-08-21 15:41:24 UTC
From: Alan Wilson
Topic: 5567 Message: 5573

Bill, I used to have the commercial version, it did good on most bands with a tuner. I think it was pretty flat across 40 but every other band required a tuner. I had the top about 50 ft about ground. I sold it after moving as I had only one support then we bought this place with several nice pine trees. I've been thinking about building one following Dr. Aces article. Please share your experiences with it and good luck, Alan Wilson

>
> I just built a Super Loop as follows. The horizontal section is 98
> feet long with an insulator at the middle. Connected to the insulator
> is a stub of 450 ohm window line shorted at the far end. The window
> line was cut to 7.025 MHz using my MFJ Antenna analyzer. The sides of
> the loop were cut to 64 feet and tested before installing the 4:1
> balun. From there to the shack is RG8.
>
> At the shack w/o the tuner on 80 meters (3.535 MHz) the SWR is 2.0:1.
> On 40 meters (7.025) the SWR is 1.4:1.
>
> It will be interesting to hear how this antenna works. I am feeding it
> through an MFJ high power differential tuner and external QSK switches
> running my AL-800 and 4-1000A amps. I'd like to hear form anyone else
> who has used this type of antenna.
>
> 73
> Bill
> W7VP
>

5574. 80 meter loop antenna

Yahoo group: ham-antennas (2008)
Date: 2008-08-21 15:52:36 UTC
From: Dave
Topic: 5574 Message: 5574

Bill:

I use a similar loop antenna on 160, and 80 meters. My horizontal antenna is approximately 100' on bottom and top and the sides are approximately 60' in length. The bottom of the antenna is approximately 10' off the ground. I feed mine directly with 450 ohm twin lead and then to a high power versa tuner. I have puished .12 kw into it with no consequences at all, and have worked 70 countries on 80/ 75 with it. Not much experience on 160 though since it requires lots of retunbing every time I move 3 - 5 kcs or so.

Hope this is helpful

Dave, W8QW

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5575. RE: [ham-antennas] Could I use CAT-5 cable as a transmission line?

Yahoo group: ham-antennas (2008)
Date: 2008-08-21 16:19:57 UTC
From: Kirk Morrison
Topic: 5563 Message: 5575

Well you could use it at 100 watts if you tied all the conductors together and soldered them at both ends and made it into homemade ladder line but I am guessing that the life would be rather short as it would wear through or the insulation would break down over a relatively short time. I use 300 ohm twin lead the good stuff and I haven't had any real trouble with it and losses are low.

Kirk KA4PXK

Become a VE

> To: ham-antennas@yahoogroups.com
> From: jeffv@...
> Date: Thu, 21 Aug 2008 11:10:33 -0400
> Subject: Re: [ham-antennas] Could I use CAT-5 cable as a transmission line?
>
>
> Clayton wrote:
>> I'm trying to sort out a better antenna system without spending too
>> much $$. I had a thought about using the twisted pairs from Cat-5
>> network cable as a transmission line. This cable is designed for 100s
>> of MHz with an impedance of about 100R. But will it work at carrying
>> about 100W of RF (HF)? Has anyone tried this?
>
> Here's a semi-uneducated guess: don't.
>
> I'm pretty sure there are formulas for figuring out what wire gauge to
> use, given wattage. I'm thinking CAT5 would not be suitable for much
> power at all (regardless of whether or not twisted pair would work).
>
> As for twisted pair, since all xmission line I've seen is flat and
> various degrees of separated, I would reason that this is not a good
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> This is only my reasoning, as if I were asking myself the question. My
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> Your mileage may vary.
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>
>

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http://clk.atdmt.com/MRT/go/108588800/direct/01/

5576. Antenna wire AWG / mm size?

Yahoo group: ham-antennas (2008)
Date: 2008-08-21 16:17:53 UTC
From: vaclav_sal
Topic: 5563 Message: 5576

Recent inquiry here prompts me to ask this -
what is / was a minimal antenna wire size actually used on HF by a ham
and at what power ?
I am guessing that the limiting factor is mechanical and not so much
power related.

Solid #24 AWG copper wire is rated approximately .5 A DC. I am
assuming that means continuous duty.

I have been using various antenna configurations using stranded #24 AWG
insulated wire.
I run max 100 Watts, SSB and CW.

73 Vaclav AA7EJ

5577. Re: [ham-antennas] Re: 80/40 Meter Super Loop

Yahoo group: ham-antennas (2008)
Date: 2008-08-21 16:36:33 UTC
From: Bill
Topic: 5567 Message: 5577

Hi Alan and Dave and thanks for the nice replies.

I made a couple of nice contacts on 40 meters without the tuner last night (including a Hungarian station), both barefoot at 60 watts and with the AL-800 at 500 watts. I am impressed so far.

When I built it I used the remnants of my modified G5RV which had an overall length of 98 feet and calculated the length of the lower parts of the triangle after I cut the stub for the low end of 40 meters. Before I installed the 4:1 balun I measured the impedance at the feed point and noticed that it was 195 ohms on 40 meters (I did not note the complex impedance). This is pretty incredible to me and accounts for the ability to load the antenna without the tuner on 40. (The needle barely moved at my Pro III on the low end of 40).

This is surely more by accident than by design but one can be grateful for small favors.

I have not tried it on other bands yet. I do not need it on 20 (5 element monobander) or 15 and 10 (4 element tribander) so the question will be how it operates on the WARC bands. I will post a note when I have more info. Sure do wish I had a NEC to model it with hi hi.

73
Bill
W7VP
----- Original Message -----
From: Alan Wilson
To: ham-antennas@yahoogroups.com
Sent: Thursday, August 21, 2008 8:41 AM
Subject: [ham-antennas] Re: 80/40 Meter Super Loop

Bill, I used to have the commercial version, it did good on most bands
with a tuner. I think it was pretty flat across 40 but every other
band required a tuner. I had the top about 50 ft about ground. I sold
it after moving as I had only one support then we bought this place
with several nice pine trees. I've been thinking about building one
following Dr. Aces article. Please share your experiences with it and
good luck, Alan Wilson
>
> I just built a Super Loop as follows. The horizontal section is 98
> feet long with an insulator at the middle. Connected to the insulator
> is a stub of 450 ohm window line shorted at the far end. The window
> line was cut to 7.025 MHz using my MFJ Antenna analyzer. The sides of
> the loop were cut to 64 feet and tested before installing the 4:1
> balun. From there to the shack is RG8.
>
> At the shack w/o the tuner on 80 meters (3.535 MHz) the SWR is 2.0:1.
> On 40 meters (7.025) the SWR is 1.4:1.

>
> It will be interesting to hear how this antenna works. I am feeding it
> through an MFJ high power differential tuner and external QSK switches
> running my AL-800 and 4-1000A amps. I'd like to hear form anyone else
> who has used this type of antenna.
>
> 73
> Bill
> W7VP
>

[Non-text portions of this message have been removed]

5578. Re:Half Square Antenna versus a simple multiband delta loop

Yahoo group: ham-antennas (2008)
Date: 2008-08-21 17:47:25 UTC
From: Bill Lovell
Topic: 5566 Message: 5578

Interesting stuff. I've used both antennas (though my delta loop was of the 2-element variety), and had great results.

Only question, before venturing any opinions, is : How high did you hang them?

I've found that the current-fed halfsquare works best when the vertical ends are reasonable close to ground. When you raise the antenna above a certain point, the radiation angle changes.

73,
Bill, K7JBQ

Posted by: "soona4sail" soona4sail@... soona4sail
Wed Aug 20, 2008 8:20 pm (PDT)
With some usefull suggestions from other group members, I just tried a 20 mtr half square antenna, fed at one corner, using 52 ohm coax. Fed center to one vertical, and the braid to the horizontal section, and other vertical. I also put up a simple 20 mtr delta loop, fed with 450 ohm ladder line, to a balun, then to a tuner. (gives me multi band up to 10 mtrs) In my basic tests, the half square did some good dx, and was also quite respectable in North America from this Pacific northwest QTH. The delta loop, was/is doing an excellent job on DX into Europe, and the South Pacific, but is proving to be a poor antenna for short hops in North America. I,m not sure why, but when the loop is fed with coax, the short hop communication improves, but the DX drops off. I assume the coax feed is inducing a higher angle of radiation. Both antennas are orientated in the same direction (hung from the same rope, between two fir trees)
Thanks, and comments are appreciated. VE7MTW
By the way, both antennas perform quite well, and are incredibly cheap to construct if you don,t include the feedline.

5579. Re:Half Square Antenna versus a simple multiband delta loop

Yahoo group: ham-antennas (2008)
Date: 2008-08-21 17:50:16 UTC
From: Bill Lovell
Topic: 5566 Message: 5579

Interesting stuff. I've used both antennas (though my delta loop was of the 2-element variety), and had great results.

Only question, before venturing any opinions, is : How high did you hang them?

I've found that the current-fed halfsquare works best when the vertical ends are reasonable close to ground. When you raise the antenna above a certain point, the radiation angle changes.

73,
Bill, K7JBQ

Posted by: "soona4sail" soona4sail@... soona4sail
Wed Aug 20, 2008 8:20 pm (PDT)
With some usefull suggestions from other group members, I just tried a 20 mtr half square antenna, fed at one corner, using 52 ohm coax. Fed center to one vertical, and the braid to the horizontal section, and other vertical. I also put up a simple 20 mtr delta loop, fed with 450 ohm ladder line, to a balun, then to a tuner. (gives me multi band up to 10 mtrs) In my basic tests, the half square did some good dx, and was also quite respectable in North America from this Pacific northwest QTH. The delta loop, was/is doing an excellent job on DX into Europe, and the South Pacific, but is proving to be a poor antenna for short hops in North America. I,m not sure why, but when the loop is fed with coax, the short hop communication improves, but the DX drops off. I assume the coax feed is inducing a higher angle of radiation. Both antennas are orientated in the same direction (hung from the same rope, between two fir trees)
Thanks, and comments are appreciated. VE7MTW
By the way, both antennas perform quite well, and are incredibly cheap to construct if you don,t include the feedline.

5580. RE: [ham-antennas] 80 meter loop antenna

Yahoo group: ham-antennas (2008)
Date: 2008-08-21 17:56:55 UTC
From: James M.(Jim) Geidl
Topic: 5574 Message: 5580

Bill,

I am confused and want to be sure I understand. You say the bottom is 10' off the ground and the sides are 60' long, does that mean the top is 160' off the ground?

Jim, K6JMG
//

> [mailto:ham-antennas@yahoogroups.com] On Behalf Of Dave
> Sent: Thursday, August 21, 2008 8:53 AM
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] 80 meter loop antenna
>
> Bill:
>
> I use a similar loop antenna on 160, and 80 meters. My
> horizontal antenna is approximately 100' on bottom and top
> and the sides are approximately 60' in length. The bottom of
> the antenna is approximately 10' off the ground. I feed mine
> directly with 450 ohm twin lead and then to a high power
> versa tuner. I have puished .12 kw into it with no
> consequences at all, and have worked 70 countries on 80/ 75
> with it. Not much experience on 160 though since it requires
> lots of retunbing every time I move 3 - 5 kcs or so.
>
> Hope this is helpful
>
> Dave, W8QW

5581. Re: [ham-antennas] Could I use CAT-5 cable as a transmission line?

Yahoo group: ham-antennas (2008)
Date: 2008-08-21 18:25:32 UTC
From: Stan Labinsky Jr.
Topic: 5563 Message: 5581

Jeff, in a pinch, you could get by with it, most anything will radiate if set up properly and twisted pair is actually a pretty good feed line leakage wise.

Years back there were suggestions of using lamp cord as feed line and separating it to form a dipole, Zip cord is also about 100 ohms (IIRC).
However, the tech writing about it (an ARRL guy) came to the conclusion that the looses would be too great since the insulation was very lossy at RF.

If the antenna you were going to feed with the cat5 cable was presenting a non reactive 100 ohm load to it the losses would be just the simple I2R copper loss compounded by any insulation losses, which would probably not be too bad since the stuff is intended to run data at pretty good rates... another form of RF. ;-) But thin wire is lossy... any ohms in series with the load no matter how few are a loss... talk power going up in heat.

The other thing, once you move away from the antenna's matched (non reactive) frequency, you start seeing voltage and current nodes (hot spots), courtesy of the standing waves on the line. Those higher voltages and currents will increase your losses and, if they become too great, unless you are running QRP, will eventually exceed the insulation's voltage breakdown and the current nodes could heat portions of the cable to the insulation's melting point. Those would be the best reason, I would think, to go with real radio transmission line.

Another consideration, if you hooked all the solid leads together at each end and all the striped leads together you'd wind up with... 100 ohms divided by 4... or 25 ohm line.

Just the thoughts of another "Lefty".

73, Stan

----- Original Message -----
From: jeff
To: ham-antennas@yahoogroups.com
Sent: Thursday, August 21, 2008 11:10 AM
Subject: Re: [ham-antennas] Could I use CAT-5 cable as a transmission line?

Clayton wrote:
> I'm trying to sort out a better antenna system without spending too
> much $$. I had a thought about using the twisted pairs from Cat-5
> network cable as a transmission line. This cable is designed for 100s
> of MHz with an impedance of about 100R. But will it work at carrying
> about 100W of RF (HF)? Has anyone tried this?

Here's a semi-uneducated guess: don't.

I'm pretty sure there are formulas for figuring out what wire gauge to
use, given wattage. I'm thinking CAT5 would not be suitable for much
power at all (regardless of whether or not twisted pair would work).

As for twisted pair, since all xmission line I've seen is flat and various degrees of separated, I would reason that this is not a good idea either.

This is only my reasoning, as if I were asking myself the question. My answer is worth what you're paying for it though :)

Your mileage may vary.
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[Non-text portions of this message have been removed]

5582. Re: [ham-antennas] capacitance

Yahoo group: ham-antennas (2008)
Date: 2008-08-21 22:37:34 UTC
From: Andy
Topic: 5561 Message: 5582

> If I have a piece of wire that is 75 Ohm at 27 mhz How do I figare rhe
> capitance. I don't think it matters but the wire is 9.5 feet.

Two points:

(1) The capacitance also depends on the propagation velocity of the cable, which in turn depends on the dielectric material used, especially whether it is solid or foam.

(2) The effective capacitance will also vary with frequency, increasing towards infinite capacitance as the cable approaches its lowest resonance. The formulas probably give you the DC (very low frequency) capacitance.

On the other hand, a cable's characteristic impedance is pretty much independent of frequency.

If you know someone with (say) an MFJ-259/269, you can measure the effective capacitance of your cable, at the frequency of your choice.

Andy

5583. Re: [ham-antennas] 80 meter loop antenna

Yahoo group: ham-antennas (2008)
Date: 2008-08-22 10:15:57 UTC
From: Phil Bader
Topic: 5574 Message: 5583

Sounds like the sides are 60 ft in length, being 10 ft off ground would be 70 feet? (60+10). That's my take.
Phil B
Philip Bader
Polk County School Board
Intercom & Fire Alarm Electronics Systems Tech
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakelandarc.org/
pbader@...

----- Original Message -----
From: James M.(Jim) Geidl
To: ham-antennas@yahoogroups.com
Sent: Thursday, August 21, 2008 1:56 PM
Subject: RE: [ham-antennas] 80 meter loop antenna

Bill,

I am confused and want to be sure I understand. You say the bottom is 10' off the ground and the sides are 60' long, does that mean the top is 160' off the ground?

Jim, K6JMG
//

> [mailto:ham-antennas@yahoogroups.com] On Behalf Of Dave
> Sent: Thursday, August 21, 2008 8:53 AM
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] 80 meter loop antenna
>
> Bill:
>
> I use a similar loop antenna on 160, and 80 meters. My
> horizontal antenna is approximately 100' on bottom and top
> and the sides are approximately 60' in length. The bottom of
> the antenna is approximately 10' off the ground. I feed mine
> directly with 450 ohm twin lead and then to a high power
> versa tuner. I have puished .12 kw into it with no
> consequences at all, and have worked 70 countries on 80/ 75
> with it. Not much experience on 160 though since it requires
> lots of retunbing every time I move 3 - 5 kcs or so.
>
> Hope this is helpful
>

> Dave, W8QW

No virus found in this incoming message.
Checked by AVG - http://www.avg.com
Version: 8.0.138 / Virus Database: 270.6.5/1619 - Release Date: 8/18/2008 5:39 PM

No virus found in this outgoing message.
Checked by AVG - http://www.avg.com
Version: 8.0.138 / Virus Database: 270.6.5/1619 - Release Date: 8/18/2008 5:39 PM

[Non-text portions of this message have been removed]

5584. RE: [ham-antennas] 80 meter loop antenna

Yahoo group: ham-antennas (2008)
Date: 2008-08-22 17:49:02 UTC
From: James M.(Jim) Geidl
Topic: 5574 Message: 5584

Phil,
You're absolutely correct. I wonder if that is the situation?

Jim, K6JMG
//

> [mailto:ham-antennas@yahoogroups.com] On Behalf Of Phil Bader
> Sent: Friday, August 22, 2008 3:16 AM
> To: ham-antennas@yahoogroups.com
> Subject: Re: [ham-antennas] 80 meter loop antenna
>
> Sounds like the sides are 60 ft in length, being 10 ft off
> ground would be 70 feet? (60+10). That's my take.
> Phil B
> Philip Bader
> Polk County School Board
> Intercom & Fire Alarm Electronics Systems Tech
> Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006 Amateur call:
> KI4NUC, Winter Haven, Fl.
> Member: Lakeland Amateur Radio Club
> http://www.lakelandarc.org/
> pbader@...
>
> ----- Original Message -----
> From: James M.(Jim) Geidl
> To: ham-antennas@yahoogroups.com
> Sent: Thursday, August 21, 2008 1:56 PM
> Subject: RE: [ham-antennas] 80 meter loop antenna
>
>
> Bill,
>
> I am confused and want to be sure I understand. You say the
> bottom is 10'
> off the ground and the sides are 60' long, does that mean
> the top is 160'
> off the ground?
>
> Jim, K6JMG
> //
>

5585. Re: [ham-antennas] 80 meter loop antenna

Yahoo group: ham-antennas (2008)
Date: 2008-08-22 20:09:08 UTC
From: Andy
Topic: 5574 Message: 5585

> You're absolutely correct. I wonder if that is the situation?

That was how I read it. The "bottom and top" sound like runs that are parallel to the ground and are 100 feet long, and the sides are 60 feet, and since the sides are not the bottom and top, they must be the legs going up between the bottom and the top.

Now on second reading, I note he also wrote it is a "horizontal antenna," which implies a horizontal loop, all of which is 10 feet off the ground. So maybe we're all wrong here.

Andy

5586. New Vertical Radial Field

Yahoo group: ham-antennas (2008)
Date: 2008-08-23 01:59:08 UTC
From: jsternmd
Topic: 5586 Message: 5586

Hi Group,

I am installing a 43' ground-mounted Vertical (10-160m, no coils/trpas) from DX Engineering. They recommend at least 32 radials each about 70 feet long. My lawned property is an odd shaped rectangle. If you imagine a circle divided into compass directions, N-E-S-W... I have placed 16 evenly spaced 70' radials in the due North to due East direction and another 16 evenly spaced 70' radials in the due South to due West direction. My problem is that the distance from the Vertical to the property edge is only 40' in the East-South and West-North directions.

Am I better off adding more 70' radials into the longer quandrants and if so would this change the omnidirectional radiation of the vertical? Or should I add 40' radials into the missing quadrants?

Thanks for your advice

73 Jerry

5587. alpha delta info

Yahoo group: ham-antennas (2008)
Date: 2008-08-23 02:13:14 UTC
From: Pat Turner
Topic: 5587 Message: 5587

Group, Maybe I shouldn't mention a brand----but, any experience with an Alpha Delta DX-LB Plus.
I have room to suspend using trees at about 45'.
Just wondering about the multi-band before I purchase it.
Thanks
Pat Turner, K3PB

[Non-text portions of this message have been removed]

5588. Slinky antennas

Yahoo group: ham-antennas (2008)
Date: 2008-08-23 02:27:26 UTC
From: chef_willy
Topic: 5588 Message: 5588

Any one had success with slinky antennas?

5589. Sorry for email

Yahoo group: ham-antennas (2008)
Date: 2008-08-23 05:27:59 UTC
From: k9ttt@comcast.net
Topic: 5589 Message: 5589

sorry for this "extended" email--there is nothing to read--just trying to send email box to different server for safety--computer is about to crash
Dale H. Cole K8TS

[Non-text portions of this message have been removed]

5590. Re: [ham-antennas] Slinky antennas

Yahoo group: ham-antennas (2008)
Date: 2008-08-23 06:03:16 UTC
From: Randy Morton
Topic: 5588 Message: 5590

I've had some success. I use four slinkies (two on each leg soldered end to end) and formed as an inverted V. It's a compromise antenna in every respect, but it does work in a limited space.

Randy (KE5EOT)

On Fri, Aug 22, 2008 at 8:27 PM, chef_willy <chef_willy@...> wrote:

> Any one had success with slinky antennas?
>
>
>

[Non-text portions of this message have been removed]

5591. Re:Half Square Antenna versus a simple multiband delta loop

Yahoo group: ham-antennas (2008)
Date: 2008-08-23 00:41:09 UTC
From: soona4sail
Topic: 5566 Message: 5591

-In regards the antenna heights, both the half square and the
vertical delta loop were at about 70 ft..
73 VE7MTW

-- In ham-antennas@yahoogroups.com, Bill Lovell <arsk7jbq@...> wrote:
>
> Interesting stuff. I've used both antennas (though my delta loop
was of the 2-element variety), and had great results.
>
> Only question, before venturing any opinions, is : How high did you
hang them?
>
> I've found that the current-fed halfsquare works best when the
vertical ends are reasonable close to ground. When you raise the
antenna above a certain point, the radiation angle changes.
>
> 73,
> Bill, K7JBQ
>
> Posted by: "soona4sail" soona4sail@... soona4sail
> Wed Aug 20, 2008 8:20 pm (PDT)
> With some usefull suggestions from other group members, I just
tried a
> 20 mtr half square antenna, fed at one corner, using 52 ohm coax.
Fed
> center to one vertical, and the braid to the horizontal section,
and
> other vertical. I also put up a simple 20 mtr delta loop, fed with
450
> ohm ladder line, to a balun, then to a tuner. (gives me multi band
up
> to 10 mtrs) In my basic tests, the half square did some good dx,
and
> was also quite respectable in North America from this Pacific
northwest
> QTH. The delta loop, was/is doing an excellent job on DX into
Europe,
> and the South Pacific, but is proving to be a poor antenna for
short
> hops in North America. I,m not sure why, but when the loop is fed
with
> coax, the short hop communication improves, but the DX drops off. I
> assume the coax feed is inducing a higher angle of radiation. Both
> antennas are orientated in the same direction (hung from the same
rope,

> between two fir trees)
> Thanks, and comments are appreciated. VE7MTW
> By the way, both antennas perform quite well, and are incredibly
cheap
> to construct if you don,t include the feedline.
>

5592. Re: [ham-antennas] New Vertical Radial Field

Yahoo group: ham-antennas (2008)
Date: 2008-08-23 07:53:00 UTC
From: Electronic Battle
Topic: 5586 Message: 5592

> I am installing a 43' ground-mounted Vertical (10-160m, no coils/trpas)
> from DX Engineering.

> Am I better off adding more 70' radials into the longer quandrants and
> if so would this change the omnidirectional radiation of the vertical?
> Or should I add 40' radials into the missing quadrants?

I think you will be better of adding the shorter 40 foot radials in the missing quadrants. Otherwise, the oni pattern (in azimuth) that you hope to see will be distorted due to the missing NW and SE quadrants and the antenna efficiency is likely to be worsened (remembering that with a vertical like yours, the radiation resistance wants to be that apparent value of R in which all of the transmitted P appears to be dissipated - not the ground plane resistance itself. An inadequate ground plane increases the driving point impedance and lowers the radiation resistance - less ERP).

Richard
M1JKL

5593. AW: [ham-antennas] suggested antenna for a Yaesu FT-450 with MFJ-925 tuner

Yahoo group: ham-antennas (2008)
Date: 2008-08-23 12:07:24 UTC
From: Siegfried Jackstien
Topic: 5569 Message: 5593

hi mike
what do you want?? local or dx?
multiband?
how many space do you have?
i have a multibandloop with 170m and a ladder line feeding
works great on ANY band
if you wanna go dx and singleband try a vertikal
greetz
sigi / dg9bfc
-----Ursprüngliche Nachricht-----
Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]Im Auftrag von pa22161
Gesendet: Donnerstag, 21. August 2008 15:09
An: ham-antennas@yahoogroups.com
Betreff: [ham-antennas] suggested antenna for a Yaesu FT-450 with MFJ-925 tuner

I have a FT-450 on order which I plan to use with a MFJ-925 tuner as a base. I plan to use it mainly on 3.975 Mhz.I will be using it on other bans also. I would like to use a long wire type antenna. The max height I would like to use is 40'any suggestions?

AJ4GU
Mike Crowe

[Non-text portions of this message have been removed]

5594. Re: [ham-antennas] alpha delta info

Yahoo group: ham-antennas (2008)
Date: 2008-08-23 11:26:02 UTC
From: Dan Schaaf
Topic: 5587 Message: 5594

Pat

I do not have experience with the DX-LB but I just purchased the LB for use on 160, 80 and 60 meters. I will replace my G5RV Inverted V with the LB as an Inverted V. I spoke at length yesterday with Don at Alpha Delta about this antenna and he assured me that it should work well, equal to or better than the G5RV.

On the G5RV I have 125 countries worked on 80 and 25 countries on 160 even though the G5RV was not designed for 160. So, I expect the LB to be better since it is resonant on 160. I do use a wide range tuner, MFJ Versa Tuner II

And, 1.8 MHz x 3 = 5.4 MHz which is 60 meters. We all know that a 40 m antenna generally works on 3 x the freq = 21 MHz, so the same theory should be true for 160/60 meters.

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com "In the Beginning, there was Spark Gap"
==========
NOBSKA
www.nobska.net
==========
Cape Cod Instruments
www.oceanbiz.net
==========
----- Original Message -----
From: Pat Turner
To: ham-antennas@yahoogroups.com
Sent: Friday, August 22, 2008 10:13 PM
Subject: [ham-antennas] alpha delta info

Group, Maybe I shouldn't mention a brand----but, any experience with an Alpha Delta DX-LB Plus.
I have room to suspend using trees at about 45'.
Just wondering about the multi-band before I purchase it.
Thanks
Pat Turner, K3PB

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

5595. Re: [ham-antennas] alpha delta info

Yahoo group: ham-antennas (2008)
Date: 2008-08-23 11:37:46 UTC
From: Leonard K. Pennock
Topic: 5587 Message: 5595

Haven't used the DX-LB+ but have the DX-CC. Works good for me. Only installation problem is they use solid core wire so it is a bit of a hassle to get straightened out.

Pat Turner wrote:
> Group, Maybe I shouldn't mention a brand----but, any experience with an Alpha Delta DX-LB Plus.
> I have room to suspend using trees at about 45'.
> Just wondering about the multi-band before I purchase it.
> Thanks
> Pat Turner, K3PB
>
>
>
>
> [Non-text portions of this message have been removed]
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 974 members (as of 11/07/07, and attachments are NOT permitted.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>

--
Leonard K. Pennock
AD7AS

Those who walk bravely through life, unafraid of loss or failure,
find that they very rarely lose or fail.

5596. RE: [ham-antennas] Slinky antennas

Yahoo group: ham-antennas (2008)
Date: 2008-08-23 12:54:21 UTC
From: Gary H. Harmon, Jr
Topic: 5588 Message: 5596

If nothing else, it looks very cool.

Gary H. Harmon, Jr. / K5JWK
San Antonio, TX 78239-1504
210.884.6926
gharmon@...

"Being a grandparent is a marvelous thing!"

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Randy Morton
Sent: Saturday, August 23, 2008 1:03 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Slinky antennas

I've had some success. I use four slinkies (two on each leg soldered end to end) and formed as an inverted V. It's a compromise antenna in every respect, but it does work in a limited space.

Randy (KE5EOT)

On Fri, Aug 22, 2008 at 8:27 PM, chef_willy <chef_willy@yahoo.
<mailto:chef_willy%40yahoo.co.uk> co.uk> wrote:

> Any one had success with slinky antennas?
>
>
>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

5597. Re: [ham-antennas] alpha delta info

Yahoo group: ham-antennas (2008)
Date: 2008-08-23 13:17:49 UTC
From: Darryl Wagoner
Topic: 5587 Message: 5597

Greetings Pat and the group,

I just replaced my Van Gordon dipole with a Alpha Delta DX-LB Plus.

It is without a doubt the best dipole I have every used. I have a
A3S beam that is pointed to Europe. On European stations I see about a
2-3 S-unit increase on the A3S and everywhere else the dipole is just
about the same as the A3S.

I am up about 25' and the only problem I have had with it was tuning
on 75 meters. I can get it down to about 1.5 at the top of the band
and lower towards the bottom. I just need to shorting it a little.
Not sure how much yet.

I don't think you will be disappointed. I love mine!

73
-darryl

Pat Turner wrote:
>
>
> Group, Maybe I shouldn't mention a brand----but, any experience with an
> Alpha Delta DX-LB Plus.
> I have room to suspend using trees at about 45'.
> Just wondering about the multi-band before I purchase it.
> Thanks
> Pat Turner, K3PB
>

5598. 160 & 80m invert L / vert/ long wire/dipole etc etc

Yahoo group: ham-antennas (2008)
Date: 2008-08-23 15:09:49 UTC
From: Russell
Topic: 5598 Message: 5598

A friend has approx 8x8m ish small english garden.
please any help for a antenna to fit in this size garden height can go
to 10m only to cover 80 & 160 all other stuff is covered
Many thanks
G5XW on behalf of M0VWK

5599. Military surplus antenna mast aluminum or fiberglass?

Yahoo group: ham-antennas (2008)
Date: 2008-08-23 15:11:38 UTC
From: pa22161
Topic: 5599 Message: 5599

I am looking to get a military surplus antenna mast kit at the next hamfest for field setup. The age old question, fiberglass or aluminum?

73
Mike Crowe
AJ4GU

5600. Re: Slinky antennas

Yahoo group: ham-antennas (2008)
Date: 2008-08-23 15:29:52 UTC
From: gw_one_hin
Topic: 5588 Message: 5600

Hi,
If you Google 'Slinky' you will find loads of references etc. I have
used one for years and it works for me. you however must use a decent
tuner to level out the SWR etc.
73s.
Ron (GW1HIN)

--- In ham-antennas@yahoogroups.com, "Gary H. Harmon, Jr"
<gharmon@...> wrote:
>
> If nothing else, it looks very cool.
>
> Gary H. Harmon, Jr. / K5JWK
> San Antonio, TX 78239-1504
> 210.884.6926
> gharmon@...
>
> "Being a grandparent is a marvelous thing!"
>
>
>
> _____
>
> From: ham-antennas@yahoogroups.com [mailto:ham-
antennas@yahoogroups.com] On
> Behalf Of Randy Morton
> Sent: Saturday, August 23, 2008 1:03 AM
> To: ham-antennas@yahoogroups.com
> Subject: Re: [ham-antennas] Slinky antennas
>
>
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> I've had some success. I use four slinkies (two on each leg
soldered end to
> end) and formed as an inverted V. It's a compromise antenna in every
> respect, but it does work in a limited space.
>
> Randy (KE5EOT)
>
> On Fri, Aug 22, 2008 at 8:27 PM, chef_willy <chef_willy@yahoo.
> <mailto:chef_willy%40yahoo.co.uk> co.uk> wrote:
>
> > Any one had success with slinky antennas?
> >
> >

> >
>
> [Non-text portions of this message have been removed]
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>
> [Non-text portions of this message have been removed]
>

5601. Re: suggested antenna for a Yaesu FT-450 with MFJ-925 tuner

Yahoo group: ham-antennas (2008)
Date: 2008-08-23 15:50:16 UTC
From: Bruce Conner
Topic: 5569 Message: 5601

I would also recommend a horizontal delta loop. You could put up a full wave 80 meter loop if space was limited and run it as a long wire on 160. See Cebik's site http://www.cebik.com/content/a10/wire/horloop.html for more info. (You'll have to register, but it's free, and that site has TONS of information) At 40 feet, you'll get good performance. Mine is only at 30 feet and it does a fine job.

73,
Bruce
WB8OGK

5602. Mil Surplus Mast

Yahoo group: ham-antennas (2008)
Date: 2008-08-23 16:02:45 UTC
From: Don Rand
Topic: 5602 Message: 5602

I have both. The Metal is very strong, very durable, and can be used as a verticle. The Fiberglas is lighter, but still very strong. Can be used as a vert but only as a support for a vert wire. You can easily support any type of field day antenna or wire with either one of them.

Don
KA5DON

5603. A Grounding Question?

Yahoo group: ham-antennas (2008)
Date: 2008-08-23 16:02:56 UTC
From: Martin Hazel
Topic: 5603 Message: 5603

Firstly I have a colinear outside and my yard (Concrete) is to small to consider a longwire or Marconi system. Now the first thing I am interested in doing is getting my Earth sorted. Obviously I can't go digging up the landlords concrete to get at the Soil, so my answer albeit not perfect until now has been a large bore pipe going into a large tub of bamboo at a 45 degree angle. I've found that keeping the pipe full of water helps matters greatly, but is there anything better I could be doing here? my Yard is roughly 12' long and 4' wide which isn't really a help.

I am moving to a new QTH that has a slightly larger Yard but not much. Co-incidentally the water plane is going to be a lot higher there, which should help. Any thoughts?

5604. Re: [ham-antennas] A Grounding Question?

Yahoo group: ham-antennas (2008)
Date: 2008-08-23 18:03:13 UTC
From: jerry
Topic: 5603 Message: 5604

hi
is there any place on the edge that you could drive in a grounding rod like at the edge of the concrete ? you only need a 3/4 inch gap on the concrete to put in a copper rod. or what are the water pipes made from ? if iron or copper that woould help or even just laying a screen on the concret itself would help.
jerry

----- Original Message ----
From: Martin Hazel <martin@...>
To: ham-antennas@yahoogroups.com
Sent: Saturday, August 23, 2008 9:02:56 AM
Subject: [ham-antennas] A Grounding Question?

Firstly I have a colinear outside and my yard (Concrete) is to small to consider a longwire or Marconi system. Now the first thing I am interested in doing is getting my Earth sorted. Obviously I can't go digging up the landlords concrete to get at the Soil, so my answer albeit not perfect until now has been a large bore pipe going into a large tub of bamboo at a 45 degree angle. I've found that keeping the pipe full of water helps matters greatly, but is there anything better I could be doing here? my Yard is roughly 12' long and 4' wide which isn't really a help.

I am moving to a new QTH that has a slightly larger Yard but not much. Co-incidentally the water plane is going to be a lot higher there, which should help. Any thoughts?

[Non-text portions of this message have been removed]

5605. Re: A Grounding Question?

Yahoo group: ham-antennas (2008)
Date: 2008-08-23 18:08:28 UTC
From: Martin Hazel
Topic: 5603 Message: 5605

Unfortunately its the only part of the house that is actually solid. But I had an idea, you mentioned water pipes, unfortunately they are all plastic :S and all leak :) but I remembered we have a hole in the cellar wall that is big enough to get one of the smaller kids through, maybe the soil under the house may be suitable.

Martin
--- In ham-antennas@yahoogroups.com, jerry <wi7f@...> wrote:
>
> hi
> is there any place on the edge that you could drive in a grounding rod like at the edge of the concrete ? you only need a 3/4 inch gap on the concrete to put in a copper rod. or what are the water pipes made from ? if iron or copper that woould help or even just laying a screen on the concret itself would help.
> jerry
>
>
>
> ----- Original Message ----
> From: Martin Hazel <martin@...>
> To: ham-antennas@yahoogroups.com
> Sent: Saturday, August 23, 2008 9:02:56 AM
> Subject: [ham-antennas] A Grounding Question?
>
>
> Firstly I have a colinear outside and my yard (Concrete) is to small
> to consider a longwire or Marconi system. Now the first thing I am
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> digging up the landlords concrete to get at the Soil, so my answer
> albeit not perfect until now has been a large bore pipe going into a
> large tub of bamboo at a 45 degree angle. I've found that keeping the
> pipe full of water helps matters greatly, but is there anything better
> I could be doing here? my Yard is roughly 12' long and 4' wide which
> isn't really a help.
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> which should help. Any thoughts?
>
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>

> [Non-text portions of this message have been removed]
>

5606. Re: [ham-antennas] Military surplus antenna mast aluminum or fiberglass?

Yahoo group: ham-antennas (2008)
Date: 2008-08-23 18:11:53 UTC
From: jerry
Topic: 5599 Message: 5606

I have five three metal and 2 fiberglass , the fiberglass has broken on me once with just a wire on it and i have managed to bend the metal when up at 40 feet but only in high wind and it is hard to even see , i prefer the metal have used one for at least 10 years and have a 25 ft section up now to hole one end of an inverted vee. you might do better in price looking on the internet or at some surplus sites , they sell rather high at hamfests the last one i saw went for 125 dollars and it was not complete but it still sold at seapac . complete ones with alll the goodies sell close to 200 hout here. i bought mine for about 100 ten years or so ago,
jerry

----- Original Message ----
From: pa22161 <tripacer@...>
To: ham-antennas@yahoogroups.com
Sent: Saturday, August 23, 2008 8:11:38 AM
Subject: [ham-antennas] Military surplus antenna mast aluminum or fiberglass?

I am looking to get a military surplus antenna mast kit at the next
hamfest for field setup. The age old question, fiberglass or aluminum?

73
Mike Crowe
AJ4GU

[Non-text portions of this message have been removed]

5607. Re: [ham-antennas] Re: A Grounding Question?

Yahoo group: ham-antennas (2008)
Date: 2008-08-23 18:20:58 UTC
From: Traveler
Topic: 5603 Message: 5607

Hi Martin; you might want to look at MFJ artifical ground, if you don't have access to a metal cold water pipe or actual ground. With it you can take to your new house also.
73
Kurt
K8YZK

--- On Sat, 8/23/08, Martin Hazel <martin@...> wrote:

From: Martin Hazel <martin@...>
Subject: [ham-antennas] Re: A Grounding Question?
To: ham-antennas@yahoogroups.com
Date: Saturday, August 23, 2008, 2:08 PM

Unfortunately its the only part of the house that is actually solid.
But I had an idea, you mentioned water pipes, unfortunately they are
all plastic :S and all leak :) but I remembered we have a hole in the
cellar wall that is big enough to get one of the smaller kids through,
maybe the soil under the house may be suitable.

Martin
--- In ham-antennas@ yahoogroups. com, jerry <wi7f@...> wrote:
>
> hi
> is there any place on the edge that you could drive in a grounding
rod like at the edge of the concrete ? you only need a 3/4 inch gap
on the concrete to put in a copper rod. or what are the water pipes
made from ? if iron or copper that woould help or even just laying a
screen on the concret itself would help.
> jerry
>
>
>
> ----- Original Message ----
> From: Martin Hazel <martin@...>
> To: ham-antennas@ yahoogroups. com
> Sent: Saturday, August 23, 2008 9:02:56 AM
> Subject: [ham-antennas] A Grounding Question?
>
>
> Firstly I have a colinear outside and my yard (Concrete) is to small
> to consider a longwire or Marconi system. Now the first thing I am
> interested in doing is getting my Earth sorted. Obviously I can't go
> digging up the landlords concrete to get at the Soil, so my answer
> albeit not perfect until now has been a large bore pipe going into a
> large tub of bamboo at a 45 degree angle. I've found that keeping the
> pipe full of water helps matters greatly, but is there anything better

> I could be doing here? my Yard is roughly 12' long and 4' wide which
> isn't really a help.
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> I am moving to a new QTH that has a slightly larger Yard but not much.
> Co-incidentally the water plane is going to be a lot higher there,
> which should help. Any thoughts?
>
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>
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>
> [Non-text portions of this message have been removed]
>

[Non-text portions of this message have been removed]

5608. Re: 160 & 80m invert L / vert/ long wire/dipole etc etc

Yahoo group: ham-antennas (2008)
Date: 2008-08-23 18:22:57 UTC
From: Joe Oates
Topic: 5598 Message: 5608

I also have a small yard. I have an inverted L that consists of 3 - 30 foot Jackite telescoping poles that I run the wire up to the top. I go due south about 30 feet then turn 90 degrees and go due east for about 30 feet and then turn 90 degrees and go due north for about 30 feet, so it is in the shape of a "U". I have a counterpoise that runs directly underneath at about three feet above the ground. I feed it with coax to a 4:1 balun at the base of the closest Jackite pole.

I use an MFJ-993B auto tuner and it tunes 160 - 10. It is always 2-4 S units better on transmit and receive than an inverted V at 25 feet.

Hope this helps.

Regards,

Joe WO8J

--- In ham-antennas@yahoogroups.com, "Russell" <russell@...> wrote:
>
> A friend has approx 8x8m ish small english garden.
> please any help for a antenna to fit in this size garden height can go
> to 10m only to cover 80 & 160 all other stuff is covered
> Many thanks
> G5XW on behalf of M0VWK
>

5609. Re: [ham-antennas] Re: A Grounding Question?

Yahoo group: ham-antennas (2008)
Date: 2008-08-23 18:29:23 UTC
From: Pat Turner
Topic: 5603 Message: 5609

Martin, look for a place where the telephone wiring is grounded. Older houses (with phones) had a solid wire from the phone box to a ground (like a metal pipe that was connected to the plastic piping). this was to make the water (a conductor of electricity) at ground potential, so if an electric water heater had a short in a heating element you would not get a shock.
Also the main electrical service has a mechanical ground somewhere that is connected to the breaker box or fuse panel, or it may be connected to a meter base outside.
i realize i am telling you about homes in the US, the UK may be a little different, as many overseas residences have three phase power into the home.
Maybe a little help or just to get you to think.
Pat Turner, K3PB

--- On Sat, 8/23/08, Martin Hazel <martin@...> wrote:

From: Martin Hazel <martin@...>
Subject: [ham-antennas] Re: A Grounding Question?
To: ham-antennas@yahoogroups.com
Date: Saturday, August 23, 2008, 6:08 PM

Unfortunately its the only part of the house that is actually solid.
But I had an idea, you mentioned water pipes, unfortunately they are
all plastic :S and all leak :) but I remembered we have a hole in the
cellar wall that is big enough to get one of the smaller kids through,
maybe the soil under the house may be suitable.

Martin
--- In ham-antennas@yahoogroups.com, jerry <wi7f@...> wrote:
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> hi
> is there any place on the edge that you could drive in a grounding
rod like at the edge of the concrete ? you only need a 3/4 inch gap
on the concrete to put in a copper rod. or what are the water pipes
made from ? if iron or copper that woould help or even just laying a
screen on the concret itself would help.
> jerry
>
>
>
> ----- Original Message ----
> From: Martin Hazel <martin@...>
> To: ham-antennas@yahoogroups.com
> Sent: Saturday, August 23, 2008 9:02:56 AM
> Subject: [ham-antennas] A Grounding Question?
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> I am moving to a new QTH that has a slightly larger Yard but not much.
> Co-incidentally the water plane is going to be a lot higher there,
> which should help. Any thoughts?
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>
>
> [Non-text portions of this message have been removed]
>

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[Non-text portions of this message have been removed]

5610. Re: [ham-antennas] Re: A Grounding Question?

Yahoo group: ham-antennas (2008)
Date: 2008-08-23 18:47:19 UTC
From: jerry
Topic: 5603 Message: 5610

Martin
under the house in the soil etc would all help and be no different then people that live on the second floor , i have three wires into my basement as part of the system here and they work ok
jerry

----- Original Message ----
From: Pat Turner <k3pb_ham@...>
To: ham-antennas@yahoogroups.com
Sent: Saturday, August 23, 2008 11:29:23 AM
Subject: Re: [ham-antennas] Re: A Grounding Question?

Martin, look for a place where the telephone wiring is grounded. Older houses (with phones) had a solid wire from the phone box to a ground (like a metal pipe that was connected to the plastic piping). this was to make the water (a conductor of electricity) at ground potential, so if an electric water heater had a short in a heating element you would not get a shock.
Also the main electrical service has a mechanical ground somewhere that is connected to the breaker box or fuse panel, or it may be connected to a meter base outside.
i realize i am telling you about homes in the US, the UK may be a little different, as many overseas residences have three phase power into the home.
Maybe a little help or just to get you to think.
Pat Turner, K3PB

--- On Sat, 8/23/08, Martin Hazel <martin@ipagan. org.uk> wrote:

From: Martin Hazel <martin@ipagan. org.uk>
Subject: [ham-antennas] Re: A Grounding Question?
To: ham-antennas@ yahoogroups. com
Date: Saturday, August 23, 2008, 6:08 PM

Unfortunately its the only part of the house that is actually solid.
But I had an idea, you mentioned water pipes, unfortunately they are all plastic :S and all leak :) but I remembered we have a hole in the cellar wall that is big enough to get one of the smaller kids through, maybe the soil under the house may be suitable.

Martin
--- In ham-antennas@ yahoogroups. com, jerry <wi7f@...> wrote:
>
> hi
> is there any place on the edge that you could drive in a grounding rod like at the edge of the concrete ? you only need a 3/4 inch gap on the concrete to put in a copper rod. or what are the water pipes made from ? if iron or copper that woould help or even just laying a screen on the concret itself would help.

> jerry
>
>
>
> ----- Original Message ----
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> To: ham-antennas@ yahoogroups. com
> Sent: Saturday, August 23, 2008 9:02:56 AM
> Subject: [ham-antennas] A Grounding Question?
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>
> Firstly I have a colinear outside and my yard (Concrete) is to small
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> digging up the landlords concrete to get at the Soil, so my answer
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> pipe full of water helps matters greatly, but is there anything better
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> isn't really a help.
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> I am moving to a new QTH that has a slightly larger Yard but not much.
> Co-incidentally the water plane is going to be a lot higher there,
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> [Non-text portions of this message have been removed]
>

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[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

5611. Mobile antenna mount

Yahoo group: ham-antennas (2008)
Date: 2008-08-23 19:18:18 UTC
From: Dave Nathanson
Topic: 5611 Message: 5611

I need to find or create a mobile antenna mount that will automatically
& quickly avoid antenna breakage.

What I am thinking of is a mount with a hinge that allows the antenna to
flop backwards if an obstacle is hit (tree branch, garage doorway, etc).
Some sort of release mechanism would allow this to happen instantly
under pressure, but not unlatch due to wind resistance at highway speeds.

I'm OK with fabricating a mount but if it's already been done, and done
well, I'm also ok with buying one.

Has anyone here seen such a mount? Any ideas, suggestions or pointers to
existing products?
Thanks,
Dave
kg6zjo

5612. RE: [ham-antennas] A Grounding Question?

Yahoo group: ham-antennas (2008)
Date: 2008-08-23 20:01:49 UTC
From: Kirk Morrison
Topic: 5603 Message: 5612

When the worst comes to worst lay out several pieces of wire around the edge as many as you can get down at least 6 if at all possible make some of them as long as possible and the others can be just a few feet (1meter) long and if you can get 12 or 16 down this way it should work well . I have also had good luck with chicken wire, poultry wire or similar if you can use it, but it might stain the concrete if it starts to really rust.

Kirk"He who has honor need not fear death."Eva Marie LeGrand Morrison 5/24/1958-6/26/2008
My beloved wife, and my best friend, I miss you

> To: ham-antennas@yahoogroups.com
> From: martin@....uk
> Date: Sat, 23 Aug 2008 16:02:56 +0000
> Subject: [ham-antennas] A Grounding Question?
>
>
> Firstly I have a colinear outside and my yard (Concrete) is to small
> to consider a longwire or Marconi system. Now the first thing I am
> interested in doing is getting my Earth sorted. Obviously I can't go
> digging up the landlords concrete to get at the Soil, so my answer
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> pipe full of water helps matters greatly, but is there anything better
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> isn't really a help.
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> I am moving to a new QTH that has a slightly larger Yard but not much.
> Co-incidentally the water plane is going to be a lot higher there,
> which should help. Any thoughts?
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>

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http://www.windowslive.com/explore/messenger?ocid=TXT_TAGLM_WL_messenger_yahoo_082008

5613. Re: [ham-antennas] Slinky antennas

Yahoo group: ham-antennas (2008)
Date: 2008-08-23 20:11:54 UTC
From: Adi Toplician
Topic: 5588 Message: 5613

Hi,
could you recomend a decent tuner for such an antenna? Any experiences?
Manual or auto tuner?
Any info will be appreciated.
Thanks!

Adi Toplician, yo2liw

On Sat, Aug 23, 2008 at 3:54 PM, Gary H. Harmon, Jr <gharmon@...>wrote:

> If nothing else, it looks very cool.
>
> Gary H. Harmon, Jr. / K5JWK
> San Antonio, TX 78239-1504
> 210.884.6926
> gharmon@... <gharmon%40idworld.net>
>
> "Being a grandparent is a marvelous thing!"
>
>
> _____
>
> From: ham-antennas@yahoogroups.com <ham-antennas%40yahoogroups.com>[mailto:
> ham-antennas@yahoogroups.com <ham-antennas%40yahoogroups.com>] On
> Behalf Of Randy Morton
> Sent: Saturday, August 23, 2008 1:03 AM
> To: ham-antennas@yahoogroups.com <ham-antennas%40yahoogroups.com>
> Subject: Re: [ham-antennas] Slinky antennas
>
> I've had some success. I use four slinkies (two on each leg soldered end to
> end) and formed as an inverted V. It's a compromise antenna in every
> respect, but it does work in a limited space.
>
> Randy (KE5EOT)
>
> On Fri, Aug 22, 2008 at 8:27 PM, chef_willy <chef_willy@yahoo.
> <mailto:chef_willy%40yahoo.co.uk <chef_willy%2540yahoo.co.uk>> co.uk>
> wrote:
>
> > Any one had success with slinky antennas?
> >
> >
> >
>
> [Non-text portions of this message have been removed]
>

> [Non-text portions of this message have been removed]
>
>
>

--
==========
Adrian Toplician
0721 367 850
Timisoara
YO2LIW

[Non-text portions of this message have been removed]

5614. Re: [ham-antennas] Re: 160 & 80m invert L / vert/ long wire/dipole etc etc

Yahoo group: ham-antennas (2008)
Date: 2008-08-23 20:58:40 UTC
From: k9ttt@comcast.net
Topic: 5598 Message: 5614

Some interesting antenna designs come up here, and I seem to like the one just presented by Joe. (the 3x3 160/80). It would fit my qth quite well and could be hidden during the day. Q. Would this work in a West-South-East leg pattern? I would really like to get to europe on 160. The qth is near Ann Arbor, Michigan.
Comments?

tnx es gd dx

Dale H. Cole K8TS
Jackson, MI

[Non-text portions of this message have been removed]

5615. Re: Spam:******, [ham-antennas] Military surplus antenna mast aluminum or fiberglass?

Yahoo group: ham-antennas (2008)
Date: 2008-08-23 21:10:20 UTC
From: james
Topic: 5615 Message: 5615

> I am looking to get a military surplus antenna mast kit at
> the next hamfest for field setup. The age old question,
> fiberglass or aluminum?

I have both. The honest vendors will tell you that past 30 feet you'll need aluminum, which is definitely the stronger material. We've had some crazy weather in the NorthEast this summer and both have stayed up, but the fiberglass mast is only at 25 feet (the aluminum is at 45 feet).

The other concern is UV damage. Aluminum is the choice for a permanent installation of any length. Some people claim success with painting the fiberglass masts to provide UV protection, but I couldn't be bothered. My fiberglass mast was only temporary while my roof got re-shingled, my aluminum mast will hopefully be up for a long while.

5616. Re: Mobile antenna mount

Yahoo group: ham-antennas (2008)
Date: 2008-08-23 22:04:53 UTC
From: Don Rand
Topic: 5611 Message: 5616

--- In ham-antennas@yahoogroups.com, Dave Nathanson <kg6zjo@...> wrote:
>
> I need to find or create a mobile antenna mount that will automatically
> & quickly avoid antenna breakage.
>
I don't have a suggestion for the hinge, but look at your kitchen cabinets, especially if they are the non-magnetic type, latches. You will see some that have a kind of pinching mechanism. I am sure that you could find them made out of a tough plastic. Then some kind of tethering and a hinge or spring mount and you should be in business.
Good Luck

73

Don
KA5DON

5617. Moderiar (sp?)

Yahoo group: ham-antennas (2008)
Date: 2008-08-24 00:39:35 UTC
From: Dale Cole K9TTT
Topic: 5617 Message: 5617

Would one of the moderators email me off the site to
k9ttt at comcast dot net
Thanks
Dale K8TS
(ex-K9TTT)

5618. spam filter

Yahoo group: ham-antennas (2008)
Date: 2008-08-24 01:13:47 UTC
From: k9ttt@comcast.net
Topic: 5618 Message: 5618

Gary--your spam filter zapped me
Dale K8TS
(ex-K9TTT)

[Non-text portions of this message have been removed]

5619. Re: [ham-antennas] Slinky antennas

Yahoo group: ham-antennas (2008)
Date: 2008-08-24 03:11:31 UTC
From: KE5EOT
Topic: 5588 Message: 5619

I use an LDG AT-200. I tried an MFJ tuner (actually two), but neither
one worked properly. The LDG has been rock solid.

Randy (KE5EOT)

Adi Toplician wrote:
>
>
> Hi,
> could you recomend a decent tuner for such an antenna? Any experiences?
> Manual or auto tuner?
> Any info will be appreciated.
> Thanks!
>
> Adi Toplician, yo2liw
>
> On Sat, Aug 23, 2008 at 3:54 PM, Gary H. Harmon, Jr <gharmon@...
> <mailto:gharmon%40idworld.net>>wrote:
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> > If nothing else, it looks very cool.
> >
> > Gary H. Harmon, Jr. / K5JWK
> > San Antonio, TX 78239-1504
> > 210.884.6926
> > gharmon@... <mailto:gharmon%40idworld.net>
> <gharmon%40idworld.net>
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> > "Being a grandparent is a marvelous thing!"
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> >
> > From: ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>
> <ham-antennas%40yahoogroups.com>[mailto:
> > ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> <ham-antennas%40yahoogroups.com>] On
> > Behalf Of Randy Morton
> > Sent: Saturday, August 23, 2008 1:03 AM
> > To: ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com> <ham-antennas%40yahoogroups.com>
> > Subject: Re: [ham-antennas] Slinky antennas
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> > I've had some success. I use four slinkies (two on each leg soldered
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> > wrote:
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> > > Any one had success with slinky antennas?
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> > >
> >
> > [Non-text portions of this message have been removed]
> >
> > [Non-text portions of this message have been removed]
> >
> >
> >
>
> --
> ==========
> Adrian Toplician
> 0721 367 850
> Timisoara
> YO2LIW
>
> [Non-text portions of this message have been removed]
>
>

5620. RE: [ham-antennas] Slinky antennas

Yahoo group: ham-antennas (2008)
Date: 2008-08-24 04:07:41 UTC
From: Kirk Morrison
Topic: 5588 Message: 5620

I use a MFJ Versa Tuner II with mine and it works well, one thing I like is I can alter the antenna to work from 10 to 20 meters without to much trouble I shorten it and use a couple of wire ties to short the bits not in use and it gets it close to were it works without major returning say 2.5:1 and then trim it with the tuner.

Kirk"He who has honor need not fear death."Eva Marie LeGrand Morrison 5/24/1958-6/26/2008
My beloved wife, and my best friend, I miss you

> To: ham-antennas@yahoogroups.com
> From: adi.top@...
> Date: Sat, 23 Aug 2008 23:11:54 +0300
> Subject: Re: [ham-antennas] Slinky antennas
>
>
> Hi,
> could you recomend a decent tuner for such an antenna? Any experiences?
> Manual or auto tuner?
> Any info will be appreciated.
> Thanks!
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> Adi Toplician, yo2liw
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> On Sat, Aug 23, 2008 at 3:54 PM, Gary H. Harmon, Jr wrote:
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>> ham-antennas@yahoogroups.com] On
>> Behalf Of Randy Morton
>> Sent: Saturday, August 23, 2008 1:03 AM
>> To: ham-antennas@yahoogroups.com
>> Subject: Re: [ham-antennas] Slinky antennas
>>
>> I've had some success. I use four slinkies (two on each leg soldered end to

>> end) and formed as an inverted V. It's a compromise antenna in every
>> respect, but it does work in a limited space.
>>
>> Randy (KE5EOT)
>>
>> On Fri, Aug 22, 2008 at 8:27 PM, chef_willy >> co.uk>
>> wrote:
>>
>>> Any one had success with slinky antennas?
>>>
>>>
>>>
>>
>> [Non-text portions of this message have been removed]
>>
>> [Non-text portions of this message have been removed]
>>
>>
>>
>
> --
> ==========
> Adrian Toplician
> 0721 367 850
> Timisoara
> YO2LIW
>
> [Non-text portions of this message have been removed]
>
>
>

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5621. Re: A Grounding Question?

Yahoo group: ham-antennas (2008)
Date: 2008-08-24 07:27:18 UTC
From: Martin Hazel
Topic: 5603 Message: 5621

At the price I think it might be worth looking at the MFJ even if I only use it at home.

--- In ham-antennas@yahoogroups.com, Traveler <sgttutt2001@...> wrote:
>
> Hi Martin; you might want to look at MFJ artifical ground, if you don't have access to a metal cold water pipe or actual ground. With it you can take to your new house also.
> 73
> Kurt
> K8YZK
>
> --- On Sat, 8/23/08, Martin Hazel <martin@...> wrote:
>
> From: Martin Hazel <martin@...>
> Subject: [ham-antennas] Re: A Grounding Question?
> To: ham-antennas@yahoogroups.com
> Date: Saturday, August 23, 2008, 2:08 PM
>
>
>
>
>
>
> Unfortunately its the only part of the house that is actually solid.
> But I had an idea, you mentioned water pipes, unfortunately they are
> all plastic :S and all leak :) but I remembered we have a hole in the
> cellar wall that is big enough to get one of the smaller kids through,
> maybe the soil under the house may be suitable.
>
> Martin
> --- In ham-antennas@ yahoogroups. com, jerry <wi7f@> wrote:
> >
> > hi
> > is there any place on the edge that you could drive in a grounding
> rod like at the edge of the concrete ? you only need a 3/4 inch gap
> on the concrete to put in a copper rod. or what are the water pipes
> made from ? if iron or copper that woould help or even just laying a
> screen on the concret itself would help.
> > jerry
> >
> >
> >
> > ----- Original Message ----
> > From: Martin Hazel <martin@>

> > To: ham-antennas@ yahoogroups. com
> > Sent: Saturday, August 23, 2008 9:02:56 AM
> > Subject: [ham-antennas] A Grounding Question?
> >
> >
> > Firstly I have a colinear outside and my yard (Concrete) is to small
> > to consider a longwire or Marconi system. Now the first thing I am
> > interested in doing is getting my Earth sorted. Obviously I can't go
> > digging up the landlords concrete to get at the Soil, so my answer
> > albeit not perfect until now has been a large bore pipe going into a
> > large tub of bamboo at a 45 degree angle. I've found that keeping the
> > pipe full of water helps matters greatly, but is there anything better
> > I could be doing here? my Yard is roughly 12' long and 4' wide which
> > isn't really a help.
> >
> > I am moving to a new QTH that has a slightly larger Yard but not much.
> > Co-incidentally the water plane is going to be a lot higher there,
> > which should help. Any thoughts?
> >
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> > [Non-text portions of this message have been removed]
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> [Non-text portions of this message have been removed]
>

5622. Re: [ham-antennas] Mobile antenna mount

Yahoo group: ham-antennas (2008)
Date: 2008-08-24 18:00:39 UTC
From: Leonard K. Pennock
Topic: 5611 Message: 5622

What about a comet MK-30H. I understand it has a clutch in it to allow
it to fold if it hits something,

Dave Nathanson wrote:
> I need to find or create a mobile antenna mount that will automatically
> & quickly avoid antenna breakage.
>
> What I am thinking of is a mount with a hinge that allows the antenna to
> flop backwards if an obstacle is hit (tree branch, garage doorway, etc).
> Some sort of release mechanism would allow this to happen instantly
> under pressure, but not unlatch due to wind resistance at highway speeds.
>
> I'm OK with fabricating a mount but if it's already been done, and done
> well, I'm also ok with buying one.
>
> Has anyone here seen such a mount? Any ideas, suggestions or pointers to
> existing products?
> Thanks,
> Dave
> kg6zjo
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 974
members (as of 11/07/07, and attachments are NOT permitted.
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>
>
--
Leonard K. Pennock
AD7AS

Those who walk bravely through life, unafraid of loss or failure,
find that they very rarely lose or fail.

5623. Re: Military surplus antenna mast aluminum or fiberglass?

Yahoo group: ham-antennas (2008)
Date: 2008-08-24 21:06:10 UTC
From: n2mlh
Topic: 5599 Message: 5623

I bought both , but I asked the local dealer the same question, he said remember the aluminum one is always worth $.60 a pound after you bend it hihi.. I use the fiberglasss only for the top piece when I need it insulated..
73's

5624. Re: [ham-antennas] A Grounding Question?

Yahoo group: ham-antennas (2008)
Date: 2008-08-24 23:14:50 UTC
From: Andy
Topic: 5603 Message: 5624

For a ground for safety and static discharge, you need something that actually goes into the soil, e.g., one or more ground rods or pipes.

But a ground rod may do little good as an RF ground. For an RF ground (only), consider the MFJ artificial ground or several lengths of wire. But be aware that they will not ground your system for safety, or to discharge static.

Andy

5625. Marine mobile HF antenna....Suggestions requested

Yahoo group: ham-antennas (2008)
Date: 2008-08-24 23:38:13 UTC
From: soona4sail
Topic: 5625 Message: 5625

I am looking for suggestions for a simple 20 meter marine antenna, 100 watts max, for a sailboat. If anyone has had any experience, I would appreciate hearing about it. I don,t want to put insulators in the backstay as such, and I am tending to a (yuk) commercial mobile antenna, but would prefer to avoid that. Maybe I will just float a helium ballon (large, and haul up a longwire, or do a 1/4 wave oir 5/8 wave vertical.....
Anyway, any suggestions. I do have 100 feet of one inch wide grounding strap to trail in the ocean for a grounbd.,.
Thanks in advance 73 VE7MTW

5626. Re: [ham-antennas] Marine mobile HF antenna....Suggestions requested

Yahoo group: ham-antennas (2008)
Date: 2008-08-25 00:16:35 UTC
From: James - KB7TBT
Topic: 5625 Message: 5626

Although the helium balloon sounds and would work great, it is not practical. I used to fly those suckers and the balloons are 300 to 500 bucks depending on the size and then you need about 150 to 200 bucks in helium, 15 to 25 mile hour gusts will lay the balloon down and pull your boat. The weight of the wire would also make the balloon lay down quicker. I would suggest using the mast for the sail and make a simple inverted V.

There is always the option of a mono band hamstick on top of the mast.

James
KB7TBT
NEGARC Activities Manager
www.kb7tbt.com
www.ne4ga.org
www.myspace.com/kb7tbt

>I am looking for suggestions for a simple 20 meter marine antenna, 100
> watts max, for a sailboat. If anyone has had any experience, I would
> appreciate hearing about it. I don,t want to put insulators in the
> backstay as such, and I am tending to a (yuk) commercial mobile
> antenna, but would prefer to avoid that. Maybe I will just float a
> helium ballon (large, and haul up a longwire, or do a 1/4 wave oir 5/8
> wave vertical.....
> Anyway, any suggestions. I do have 100 feet of one inch wide grounding
> strap to trail in the ocean for a grounbd.,.
> Thanks in advance 73 VE7MTW
>
>

5627. More tower signs available

Yahoo group: ham-antennas (2008)
Date: 2008-08-25 02:26:33 UTC
From: frontrowe1
Topic: 5627 Message: 5627

I have ebay auctions for two different signs at the link below.
Thanks for looking.

http://shop.ebay.com/merchant/brjecass

5628. Re: Marine mobile HF antenna....Suggestions requested

Yahoo group: ham-antennas (2008)
Date: 2008-08-25 03:24:42 UTC
From: ash_lee52
Topic: 5625 Message: 5628

Of course it is going to depend on the size of your boat.

For something small you might look at using a buddistick or such mounted on the rear pulpit using one of the mounts designed to attach antennas to the rear view mirror mounts of a truck (Radio Shack). If you really just need just one band a hamstick or Hustler mobile antenna would do. Another solution in a similar vein would be to use an AH-4, SGC or similar remote tuner to tune a 102" whip, or shakespear fibreglass antenna.

But of course you'll get better performance if you can get an antenna higher and in the clear. If you have sufficient mast height you could add an auxilliary halyard (much like a flag halyard) and pull up the end of a Par End Fedz antenna. Pulled out of line from the mast this should give you decent performance, although it will undoubtedly intereact with the mast and rigging. These antennas are so good and so inexpensive this is certainly something I'd try.

A final solution might be to mount a screwdriver antenna on the mast head... grounded into the mast (ie mount it as most VHF antennas are). If you didn't want a permanent mounting you could probably design a mounting car which you would pull up the mast track, which would position the antenna clear of the mast and rigging when pulled aloft. Another way to do this would be to design a car to be pulled up the head stay. You'ld probably want to have a pretty big boat to keep that much weight and windage aloft permanently.

The boat I race has a kevlar backstay, so we can simply run a wire up the backstay when we want an antenna. We have a very thin "antenna halyard" going up to a turning block tied&taped near the top of the backstay. Wee mostly use this for an extended range cell phone antenna, so I don't have HF experience with this.

WW0AL
Ash

--- In ham-antennas@yahoogroups.com, "soona4sail" <soona4sail@...>
wrote:
>
> I am looking for suggestions for a simple 20 meter marine antenna,
100
> watts max, for a sailboat. If anyone has had any experience, I
would
> appreciate hearing about it. I don,t want to put insulators in the
> backstay as such, and I am tending to a (yuk) commercial mobile
> antenna, but would prefer to avoid that. Maybe I will just float a

> helium ballon (large, and haul up a longwire, or do a 1/4 wave oir
5/8
> wave vertical.....
> Anyway, any suggestions. I do have 100 feet of one inch wide
grounding
> strap to trail in the ocean for a grounbd.,.
> Thanks in advance 73 VE7MTW
>

5629. 2 antennas met on a roof [OT]

Yahoo group: ham-antennas (2008)
Date: 2008-08-25 18:49:15 UTC
From: Dave Nathanson
Topic: 5629 Message: 5629

Two antennas met on a roof, fell in love and got married.
The ceremony wasn't much, but the reception was excellent.

hahaha an oldie but a goodie!

ok, now back to what you were doing!

5630. Re: [ham-antennas] Re: 80mtr vertical out od a silver rod

Yahoo group: ham-antennas (2008)
Date: 2008-08-25 21:16:08 UTC
From: Wayne
Topic: 5420 Message: 5630

First, I used to repair and sell CB's in the 70's and a bit in the 80's, and never heard of the "silver rod". Bear in mind this was in trhe USA, and not in GB or any other country.
Also bear in mind that there have been many different antennas, often using the same basic design.
Most all made claims to be the best antenna.
Did a fast Google search on cb antennas and then narrowed it to silver rod.
Basically a 5/8 wave antenna, evidently matched at the base. Also seems to claim a 4.2 DB gain, one even claimed DBd. Impossible gain factor for a 5/8 wave antenna, so is more good old CB'ers hype. More like 4.2 DBi as far as the gain goes.
Now, it is still a good basic antenna design, and most can be adapted to 10 meters.
Should be about 20 to 22 feet tall in stock CB configuration, depending in part on the "top hat" used.

For the record, most of the CB antennas gains claims were for DBi, and not DBd, and a good deal of difference between the two.

Now, it is not really practical at all to make one of this type of antenna work on 75 or 80 meters without some kind of loading coil. I have a junk antenna of similar type that I plan to see of I can get it set up for 10 or 12 meters, just need to figure a place for mounting it.

For 75 or 80 meters, one could use a fiberglas pole as you mention, and wind it helically, but it could be a lot of gueswork, trial an error. It needs to be electrically about 61 feet, more or less, depending on the portion of the band one wants to work.
Unless someone has already built a couple of them, it will be partly guess work.
And I don't think I want anything that tall as a free standing antenna around here. gets way too windy at times.
Not to mention that antennas about 9 feet or so are already made as mobile loded whips. Not the greatest for base use though.
YMMV

Wayne WA2YNE

On Sun, 27 Jul 2008 10:41:11 -0500, Stewart <stewh@...> wrote:

> Brendan,
> It would seem that the replies so far are from Hams who
> weren't ever CB'ers or they would have known that a "silver rod" is a
> famous CB antenna that has been around for a long time & still
> manufactured.

> Guys for your benefit, the silver rod antenna is made from aluminium
> tube in 1/2 & 5/8 Wave versions so around 20ft long?, with a base
> matching network.
> Anyway at approx. 5 1/2 metres long you are in the ballpark for a 1/4
> wave on 20M, but for 80M a little short bearing in mind that a 1/4
> wave on 80M is 20Metres long. It is doable with a loading coil at the
> base or even in the centre if you split the antenna & fit a length of
> insulating rod to join the 2 halves & also to wind the coil on to, but
> how efficient would it be? Methinks not very & you will still need
> radials 1/4 wavelength long (20Metres) or a very good ground
> connection i.e. salt marsh.
> You didn't mention if you want to make a base station antenna or a
> portable?
> There are some designs built using fibre glass fishing poles with the
> coil wound on to the pole (Sandpiper do one), but again even a 10
> metre long vertical on 80M is short, will have low radiation
> resistance, & narrow bandwidth. Sure, it will radiate, but not very
> well & you will need a very good ground or full-length radials. Now if
> you have any tall trees on your property then you could make a
> top-loaded vertical i.e. T-shape, suspended between the trees.
> As for making it multi-band, that is a totally different ball-game
> that I won't get in to at the moment.
>
> 73, Stewart GM0GTU
>
>

--
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5631. Re: [ham-antennas] Military surplus antenna mast aluminum or fiberglass?

Yahoo group: ham-antennas (2008)
Date: 2008-08-25 23:52:58 UTC
From: Stan Labinsky Jr.
Topic: 5599 Message: 5631

Hi, all. I bought some of these from a gent who visited our hamfest this spring in Middletown, NY. His name is Clint, W3ARS@....
He wasn't getting the prices shown here... but maybe now... who knows.

Stan

----- Original Message -----
From: jerry
To: ham-antennas@yahoogroups.com
Sent: Saturday, August 23, 2008 2:11 PM
Subject: Re: [ham-antennas] Military surplus antenna mast aluminum or fiberglass?

I have five three metal and 2 fiberglass , the fiberglass has broken on me once with just a wire on it and i have managed to bend the metal when up at 40 feet but only in high wind and it is hard to even see , i prefer the metal have used one for at least 10 years and have a 25 ft section up now to hole one end of an inverted vee. you might do better in price looking on the internet or at some surplus sites , they sell rather high at hamfests the last one i saw went for 125 dollars and it was not complete but it still sold at seapac . complete ones with alll the goodies sell close to 200 hout here. i bought mine for about 100 ten years or so ago,
jerry

----- Original Message ----
From: pa22161 <tripacer@...>
To: ham-antennas@yahoogroups.com
Sent: Saturday, August 23, 2008 8:11:38 AM
Subject: [ham-antennas] Military surplus antenna mast aluminum or fiberglass?

I am looking to get a military surplus antenna mast kit at the next
hamfest for field setup. The age old question, fiberglass or aluminum?

73
Mike Crowe
AJ4GU

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

5632. 75 ohm coax

Yahoo group: ham-antennas (2008)
Date: 2008-08-26 00:19:45 UTC
From: Doug
Topic: 5632 Message: 5632

Hello group,

Please forgive what is probably a stupid question, but I can't find the answer anywhere else and thought you would be able to help. A friend of mine gave me about 400' of television coax, the good sturdy stuff that runs from the pole to the house. It's not marked but I think it is 75 ohm RG6. Can I use this as my transmission line from my TS-430 & TS-130SE to my main antenna? Will the mismatched impedance be a detriment to the rigs? Will performance suffer? Any and all help is greatly appreciated.

Cheers!
Doug...

5633. Re: [ham-antennas] Mobile antenna mount

Yahoo group: ham-antennas (2008)
Date: 2008-08-26 00:39:45 UTC
From: Stan Labinsky Jr.
Topic: 5611 Message: 5633

Well, I normally don't advise the use of magnet mounts except for temporary needs. They do damage the paint in extended use and the cable flexing in the wind will make an unnatural polished mark in the finish over time as well. And let's not mention the rain leaks if the cable's not routed wisely into the passenger compartment. But for your needs, the magnet will plop over before anything breaks.

WARNING... personal gripe follows:
I positively dislike these Asian wonder whips that must be folded over! Something's wrong if you can't stick a good spring into the design.
Had one of those nasties (I call it my "George Jetson" antenna... which aggravatingly works really well) destroy the mount as it ripped it out of the roof of my van passing under a tree limb that I forgot was there.

But I install those mounts on school busses so I've had practice in repairing the sheet metal trauma. Just don't like asking for trouble!

And I cannot accept having to get out of the car and fold over the antenna while being drenched at the entrance to the parking garage, while the guy next in line honks his hooter and glares at me... for inconveniencing HIM! Yea! Right!
"Sorry honey... I know I'm dripping water all over the front seat, it'll dry. Well, yea, maybe it would be better to put the little antenna back on..." :-/

Not a good thing!

73, Stan

----- Original Message -----
From: Dave Nathanson
To: ham-antennas@yahoogroups.com
Sent: Saturday, August 23, 2008 3:18 PM
Subject: [ham-antennas] Mobile antenna mount

I need to find or create a mobile antenna mount that will automatically
& quickly avoid antenna breakage.

What I am thinking of is a mount with a hinge that allows the antenna to
flop backwards if an obstacle is hit (tree branch, garage doorway, etc).
Some sort of release mechanism would allow this to happen instantly
under pressure, but not unlatch due to wind resistance at highway speeds.

I'm OK with fabricating a mount but if it's already been done, and done
well, I'm also ok with buying one.

Has anyone here seen such a mount? Any ideas, suggestions or pointers to
existing products?
Thanks,
Dave

kg6zjo

[Non-text portions of this message have been removed]

5634. Re: [ham-antennas] 75 ohm coax

Yahoo group: ham-antennas (2008)
Date: 2008-08-26 00:46:40 UTC
From: Stan Labinsky Jr.
Topic: 5632 Message: 5634

Question... what antenna will you be using?

Stan

----- Original Message -----
From: Doug
To: ham-antennas@yahoogroups.com
Sent: Monday, August 25, 2008 8:19 PM
Subject: [ham-antennas] 75 ohm coax

Hello group,

Please forgive what is probably a stupid question, but I can't find the answer anywhere else and thought you would be able to help. A friend of mine gave me about 400' of television coax, the good sturdy stuff that runs from the pole to the house. It's not marked but I think it is 75 ohm RG6. Can I use this as my transmission line from my TS-430 & TS-130SE to my main antenna? Will the mismatched impedance be a detriment to the rigs? Will performance suffer? Any and all help is greatly appreciated.

Cheers!
Doug...

[Non-text portions of this message have been removed]

5635. Re: [ham-antennas] 75 ohm coax

Yahoo group: ham-antennas (2008)
Date: 2008-08-26 03:39:23 UTC
From: Andy
Topic: 5632 Message: 5635

In an ideal world, if you connected a perfect 50 ohm antenna on the end, your rig would see some impedance between 50 and 100 ohms, so the SWR would be no worse than 2:1.

If you connected a perfect 75 ohm antenna on the end, the SWR seen by the rig would be 1.5:1.

Neither is all that bad.

The impedance of the coax isn't what matters. It's the impedance seen looking into the coax, with the load connected at the end. And that might be anything. On average, this impedance will tend to differ from the ideal 50 ohms more than if you had used a 50 ohm coax, so the SWR will tend to be a little higher, on average. But it won't be higher in every situation ... in some cases it would actually be smaller with the RG-6 than with (say) RG-8.

Do you have any way of tuning your antenna and measuring the SWR at the rig? For best power transfer and maximum output from the rig, the SWR at the rig should be low, regardless of what cable you use.

As for loss in the coax itself, there are reasons why either 50 or 75 ohm coax might have more or less loss.

Andy

5636. Re: [ham-antennas] 75 ohm coax

Yahoo group: ham-antennas (2008)
Date: 2008-08-26 06:07:15 UTC
From: Doug Chlan
Topic: 5632 Message: 5636

Hi Stan,

The main antenna for the time being will be two Opek HVT-400's in a dipole configuration with a 1:1 balun.

Andy,

I do have an antenna tuner and SWR meter, as well the antennae are tuneable, however I can't transmit and tune as I'm not licenced yet. I will be writing the exam this fall.

Cheers!
Doug...

_____
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http://ca.toolbar.yahoo.com.

[Non-text portions of this message have been removed]

5637. tuner selection

Yahoo group: ham-antennas (2008)
Date: 2008-08-26 07:05:20 UTC
From: jerry
Topic: 5637 Message: 5637

hi all
need your educated opinions
What is the best tuner fpr a mobile insulation ?? i think i prefer one that can be mounted at the base of the antenna in the rear of my rv... but open to having one mounted up ftont by the radio..
any opinions
thanks
jerry wi7f
see you all in the CQP and Salmon runs i hope

[Non-text portions of this message have been removed]

5638. Best 20 meter mobile antenna?

Yahoo group: ham-antennas (2008)
Date: 2008-08-26 13:32:29 UTC
From: David Kruh
Topic: 5638 Message: 5638

Here's the deal - I'm only in the car for long-distance driving without my family a few times a year, so I'm looking for a basic antenna to get on then stow the antenna away until my next drive.

I was thinking of the MFJ mobile HF whips on the mag mount. Any thoughts?

David
WB2HTO

5639. Re: [ham-antennas] Best 20 meter mobile antenna?

Yahoo group: ham-antennas (2008)
Date: 2008-08-26 14:22:35 UTC
From: Leonard K. Pennock
Topic: 5638 Message: 5639

I like the Workman Hamsticks. They have a 3/8-24 coupler in the middle
to allow you to break them in half without affecting the tune.

If you use a mag mount you probably want a three or four 5" magnet unit.
What you may want to consider is installing a good heavy duty trunk
lip mount that you can just leave in place then you will have good
grounding and quick install. Remove the antenna and the mount is pretty
low key. That is what I do on the wife's mini-van.

David Kruh wrote:
> Here's the deal - I'm only in the car for long-distance driving without
> my family a few times a year, so I'm looking for a basic antenna to get
> on then stow the antenna away until my next drive.
>
> I was thinking of the MFJ mobile HF whips on the mag mount. Any
> thoughts?
>
> David
> WB2HTO
>
>
>
> ----------
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>
--
Leonard K. Pennock
AD7AS

Those who walk bravely through life, unafraid of loss or failure,
find that they very rarely lose or fail.

5640. Re: [ham-antennas] tuner selection

Yahoo group: ham-antennas (2008)
Date: 2008-08-26 14:24:10 UTC
From: Leonard K. Pennock
Topic: 5637 Message: 5640

You need to say what kind of antenna you are thinking of using as it changes the recommendations. A screwdriver antenna is the best mobile tuner. ;)

jerry wrote:
> hi all
> need your educated opinions
> What is the best tuner fpr a mobile insulation ?? i think i prefer one that can be mounted at the base of the antenna in the rear of my rv... but open to having one mounted up ftont by the radio..
> any opinions
> thanks
> jerry wi7f
> see you all in the CQP and Salmon runs i hope
>
>
>
>
> [Non-text portions of this message have been removed]
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 974 members (as of 11/07/07, and attachments are NOT permitted.
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>

--
Leonard K. Pennock
AD7AS

Those who walk bravely through life, unafraid of loss or failure,
find that they very rarely lose or fail.

5641. Re: [ham-antennas] Military surplus antenna mast aluminum or fiberglass?

Yahoo group: ham-antennas (2008)
Date: 2008-08-26 14:38:24 UTC
From: Chris
Topic: 5599 Message: 5641

Re: the guys who bent or broke these.

Did you have the guy rings set every four or five sections? They are supposed to be guyed and I was thinking about buying one of these setups myself so I'm curious as I was pondering going 60 feet with them.

On Mon, Aug 25, 2008 at 7:52 PM, Stan Labinsky Jr.
<stanbarb@...> wrote:
> Hi, all. I bought some of these from a gent who visited our hamfest this spring in Middletown, NY. His name is Clint, W3ARS@....
> He wasn't getting the prices shown here... but maybe now... who knows.
>
> Stan

5642. G5RV Question....?

Yahoo group: ham-antennas (2008)
Date: 2008-08-26 15:09:50 UTC
From: Chris Moore
Topic: 5642 Message: 5642

Right ppl. I have a G5RV flat top which works well on my 10watts..

I put the Antenna analizer on it the other day to find it NOT resonant on any band what so ever...

Its a full size one so should it not be resonant on 40m or is it 20m ?

Have a go with yours guys lets get some results up here. Be nice to know what is the outcome...

M3XLG
UK

5643. Re: Spam:*****, Re: [ham-antennas] Military surplus antenna mast aluminum or fiberglass?

Yahoo group: ham-antennas (2008)
Date: 2008-08-26 16:24:07 UTC
From: james
Topic: 5643 Message: 5643

> Re: the guys who bent or broke these.
>
> Did you have the guy rings set every four or five
> sections? They are supposed to be guyed and I was
> thinking about buying one of these setups myself so I'm
> curious as I was pondering going 60 feet with them.

My understanding was to guy them every 10 or 15 feet.

I have mine guyed on two levels for 45 feet and it's doing well. I didn't guy the very last 4 foot section (top). I figured the dipole would act as a partial guy for the top. If I had a non-wire antenna at the top I'd guy at the very top too.

Mine has survived a direct encounter with a wild microburst with very high wind, horizontal rain and hail.

5644. G5RV JR - build your own?

Yahoo group: ham-antennas (2008)
Date: 2008-08-26 17:18:36 UTC
From: SB
Topic: 5644 Message: 5644

I'm trying to find out if anyone has built thier own G5RV JR type antenna. I know it requires 450 ohm ladder line - would that mean I would need a 4:1 balun at the connection of my coax? If anyone has any plans or suggestions - please share.

5645. Re: [ham-antennas] G5RV Question....?

Yahoo group: ham-antennas (2008)
Date: 2008-08-26 17:19:18 UTC
From: Bill
Topic: 5642 Message: 5645

Chris
The nature of the G5RV is such that it allows the use of many bands but is not particularly good on any of them. The reason why it requires so much coax form the balun is to minimize the SWR at the tuner. I found it to be unacceptable for my purposes and modified it using my antenna analyzer so that it was resonant on 40 meters, where I needed it the most. The result was the shortening of the horizontal section and cutting the ladder line differently.

Just a few days ago I modified it further by making it into the WT2T mini delta loop. I cut it for cw with the horizontal section about 98 feet and the descending sides 66 feet long. The 450 ohm window line was cut for a quarter wave on 7.025 MHz. The results are amazing with the swr on both 80 and 40 meters less than 1.4:1 at both the balun (4:1) and the the exciter. In fact the swr on 40 at the exciter hardly moved the needle on the Pro III and I made some nice DX contacts with it without using the external tuner.

I have the horizontal section up about 100 feet. If you have the ability to get the apex of the loop high enough you might consider this antenna. It tunes well on all the other bands although I do not need to on any other bands except the WARC bands.

73
Bill
W7VP
----- Original Message -----
From: Chris Moore
To: ham-antennas@yahoogroups.com
Sent: Tuesday, August 26, 2008 8:09 AM
Subject: [ham-antennas] G5RV Question....?

Right ppl. I have a G5RV flat top which works well on my 10watts..

I put the Antenna analizer on it the other day to find it NOT resonant
on any band what so ever...

Its a full size one so should it not be resonant on 40m or is it 20m ?

Have a go with yours guys lets get some results up here. Be nice to
know what is the outcome...

M3XLG
UK

[Non-text portions of this message have been removed]

5646. Re: [ham-antennas] G5RV JR - build your own?

Yahoo group: ham-antennas (2008)
Date: 2008-08-26 17:29:41 UTC
From: Leonard K. Pennock
Topic: 5644 Message: 5646

A G5RV uses the ladder line a a impedance transformer. If it is
properly built the only balun required is a 1:1 current balun to block
common mode currents from the coax shield.

SB wrote:
> I'm trying to find out if anyone has built thier own G5RV JR type
> antenna. I know it requires 450 ohm ladder line - would that mean I
> would need a 4:1 balun at the connection of my coax? If anyone has any
> plans or suggestions - please share.
>
>
> ----------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 974
members (as of 11/07/07, and attachments are NOT permitted.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
--
Leonard K. Pennock
AD7AS

Those who walk bravely through life, unafraid of loss or failure,
find that they very rarely lose or fail.

5647. Re: Spam:*****, Re: [ham-antennas] Military surplus antenna mast aluminum or fiberglass?

Yahoo group: ham-antennas (2008)
Date: 2008-08-26 19:22:45 UTC
From: jerry
Topic: 5643 Message: 5647

mine bent at the center guy ring and it was guyed at each third section
wi7f

----- Original Message ----
From: james <james@...>
To: ham-antennas@yahoogroups.com
Sent: Tuesday, August 26, 2008 9:24:07 AM
Subject: Re: Spam:*****, Re: [ham-antennas] Military surplus antenna mast aluminum or fiberglass?

> Re: the guys who bent or broke these.
>
> Did you have the guy rings set every four or five
> sections? They are supposed to be guyed and I was
> thinking about buying one of these setups myself so I'm
> curious as I was pondering going 60 feet with them.

My understanding was to guy them every 10 or 15 feet.

I have mine guyed on two levels for 45 feet and it's doing
well. I didn't guy the very last 4 foot section (top). I
figured the dipole would act as a partial guy for the top.
If I had a non-wire antenna at the top I'd guy at the very
top too.

Mine has survived a direct encounter with a wild microburst
with very high wind, horizontal rain and hail.

[Non-text portions of this message have been removed]

5648. Re: [ham-antennas] tuner selection

Yahoo group: ham-antennas (2008)
Date: 2008-08-26 19:28:15 UTC
From: jerry
Topic: 5637 Message: 5648

actually i was thinking of using a vertical wire and a fiberglass pole attached to the ladder on the rear of the rv i have a 31 ft pole so with a wire it will go up about 30 feet aboove the rv as a portable insulation for when i am camped and using a cb sstainless steel whip when mobile off the same mounting
jerry
thanks everyone who replied

----- Original Message ----
From: Leonard K. Pennock <leonardpennock@...>
To: ham-antennas@yahoogroups.com
Sent: Tuesday, August 26, 2008 7:24:10 AM
Subject: Re: [ham-antennas] tuner selection

You need to say what kind of antenna you are thinking of using as it
changes the recommendations. A screwdriver antenna is the best mobile
tuner. ;)

jerry wrote:
> hi all
> need your educated opinions
> What is the best tuner fpr a mobile insulation ?? i think i prefer one that can be mounted at the base of the antenna in the rear of my rv... but open to having one mounted up ftont by the radio..
> any opinions
> thanks
> jerry wi7f
> see you all in the CQP and Salmon runs i hope
>
>
>
>
> [Non-text portions of this message have been removed]
>
>
> ---------- --------- --------- ------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 974 members (as of 11/07/07, and attachments are NOT permitted.
> Post message: ham-antennas@ yahoogroups. com
> Subscribe: ham-antennas- subscribe@ yahoogroups. com
> Unsubscribe: ham-antennas- unsubscribe@ yahoogroups. com
> List owner: ham-antennas- owner@yahoogroup s.com
> Yahoo! Groups Links
>
>
>

--
Leonard K. Pennock
AD7AS

Those who walk bravely through life, unafraid of loss or failure, find that they very rarely lose or fail.

[Non-text portions of this message have been removed]

5649. Ground radial installation question

Yahoo group: ham-antennas (2008)
Date: 2008-08-27 11:49:45 UTC
From: captain_magic
Topic: 5649 Message: 5649

I have an Outbacker Outreach 500 with the matching Outpost aluminum tripod. From reading other posts I see it's recommended I add at least three radials cut to a length matching at least the height on my vertical which is eleven feet.

Do I just lay these pieces of insulated wire spaced evenly on the ground under the three aluminum plates of the stand with both ends free, or do I attach one end of each wire to the stand with a bolt and nut??

Secondly, what guage of insulated wire is most commonly used?? I only have an Icom 756 that puts out 100 watts and I normally operate on 40 and 20 meters.

Thanks for anyones help.
Bob

5650. Re: G5RV Question....?

Yahoo group: ham-antennas (2008)
Date: 2008-08-27 20:30:28 UTC
From: Chris Moore
Topic: 5642 Message: 5650

Cheers for the info.

My G5RV is 53 feet each side a total of 106feet flat top and then it is
fed with 300ohm ribbon feeder (Window feeder) straight to a SO239.
You speak about a 4:1 balun. This is confusing to me !

5651. Re: [ham-antennas] Re: G5RV Question....?

Yahoo group: ham-antennas (2008)
Date: 2008-08-27 20:41:36 UTC
From: Joe Dube
Topic: 5642 Message: 5651

I wouldn't worry about 4:1 balun. If the antenna works the way it is just continue on making contacts with the antenna. Thwe old saying "if it works don't fix it" seem very appropriate in the situation.

Joe K4TR

----- Original Message -----
From: Chris Moore
To: ham-antennas@yahoogroups.com
Sent: Wednesday, August 27, 2008 4:30 PM
Subject: [ham-antennas] Re: G5RV Question....?

Cheers for the info.

My G5RV is 53 feet each side a total of 106feet flat top and then it is
fed with 300ohm ribbon feeder (Window feeder) straight to a SO239.
You speak about a 4:1 balun. This is confusing to me !

No virus found in this incoming message.
Checked by AVG - http://www.avg.com
Version: 8.0.138 / Virus Database: 270.6.9/1637 - Release Date: 8/27/2008 7:01 AM

No virus found in this outgoing message.
Checked by AVG - http://www.avg.com
Version: 8.0.138 / Virus Database: 270.6.9/1637 - Release Date: 8/27/2008 7:01 AM

[Non-text portions of this message have been removed]

5652. Re: [ham-antennas] Re: G5RV Question....?

Yahoo group: ham-antennas (2008)
Date: 2008-08-28 01:17:12 UTC
From: vaclav sal
Topic: 5642 Message: 5652

Chris,
When in doubt - check the source.
http://www.qsl.net/aa3px/g5rv.htm

Without knowing the actual length of your "feeder", your "G5RV" is center fed radiator, not true G5RV. Since "anything will radiate" you cannot objectively measure its performance without using some other reference "measuring stick".

PS You have not said anything about using a tunner.

73 Vaclav AA7EJ
.

[Non-text portions of this message have been removed]

5653. Induced Voltage

Yahoo group: ham-antennas (2008)
Date: 2008-08-29 03:31:39 UTC
From: Aaron
Topic: 5653 Message: 5653

Hi Everyone,

I have a unique problem that I could not find anything on when searching the archives. We live next to some high power transmission lines because of space limitations I could not put an inverted V out back so I put it out front with about half under the lines. I did not think it would be a problem as I had read on line that the Mythbusters TV show could not get more than a couple volts when trying to inductively couple to the lines and steal power. Well I was wrong and found about 300VAC induced on the antenna! I have not checked it with a scope but my DVM displays it in AC mode, almost nothing in DC. This does not bother me too much as I can cut the antenna down and it may fit the back yard. What does bother me is my BigIR 40-6m vertical which sits about 50ft from the lines. I checked it at 40M and found 30VAC on the coax center conductor. Fortunately from what I can tell this has not hurt my equipment but I don't think this is very good for it.

What I am investigating is some way to either block the AC with a high pass filter or short it to ground with an RF choke. Has anyone on the list ever come across a problem like this and what was done to resolve it.?

Thanks
-Aaron

5654. Re: [ham-antennas] Induced Voltage

Yahoo group: ham-antennas (2008)
Date: 2008-08-29 04:54:58 UTC
From: Andy
Topic: 5653 Message: 5654

If you are measuring with a high impedance DVM then it may behave a little like static electricity ... lots of voltage but not much oomph behind it. With a sufficiently high impedance instrument, you can find almost any arbitrarily large voltage. How much does the voltage drop when you connect a 50 ohm (or even something like a 10K) resistor load? You might find that much of it goes away, because the source impedance of the voltage induced in the antenna is very large.

If so, just connecting it to your radio will similarly cut the voltage way down, without adding anything. But a choke would also do a good job of shorting it at 60 Hz.

Andy

5655. Re: [ham-antennas] Induced Voltage

Yahoo group: ham-antennas (2008)
Date: 2008-08-29 08:45:56 UTC
From: Tom
Topic: 5653 Message: 5655

Hi Aaron,

I would try grounding the center conductor
of the coax with a 1 megohm resistor.

Cheers.

Tom
KE6YNH, 73
San Diego, CA

----- Original Message -----
From: Aaron
To: ham-antennas@yahoogroups.com
Sent: Thursday, August 28, 2008 8:31 PM
Subject: [ham-antennas] Induced Voltage

Hi Everyone,

I have a unique problem that I could not find anything on when
searching the archives. We live next to some high power transmission
lines because of space limitations I could not put an inverted V out
back so I put it out front with about half under the lines. I did not
think it would be a problem as I had read on line that the Mythbusters
TV show could not get more than a couple volts when trying to
inductively couple to the lines and steal power. Well I was wrong and
found about 300VAC induced on the antenna! I have not checked it with
a scope but my DVM displays it in AC mode, almost nothing in DC. This
does not bother me too much as I can cut the antenna down and it may
fit the back yard. What does bother me is my BigIR 40-6m vertical
which sits about 50ft from the lines. I checked it at 40M and found
30VAC on the coax center conductor. Fortunately from what I can tell
this has not hurt my equipment but I don't think this is very good for it.

What I am investigating is some way to either block the AC with a high
pass filter or short it to ground with an RF choke. Has anyone on the
list ever come across a problem like this and what was done to resolve
it.?

Thanks
-Aaron

[Non-text portions of this message have been removed]

5656. (no subject)

Yahoo group: ham-antennas (2008)
Date: 2008-08-29 09:52:31 UTC
From: Ken Snipes
Topic: 5656 Message: 5656

I have a old barn with a tin roof, and im guessing its 40 ft X 30 Ft
square. It would probably make a good ground plane for some type of
Ant. If you had this , what would YOU DO?

KD4IEN
10-10# 74734

You can also find me on the WEB at...
KD4IEN on the AOL imer
KD4IEN on Yahoo Messenger

No virus found in this outgoing message.
Checked by AVG - http://www.avg.com
Version: 8.0.138 / Virus Database: 270.6.10/1638 - Release Date: 8/27/2008 7:06 PM

5657. RE: [ham-antennas]

Yahoo group: ham-antennas (2008)
Date: 2008-08-29 09:57:48 UTC
From: Mike Besemer (WM4B)
Topic: 5657 Message: 5657

Perhaps a vertical. I'd be worried about all the joints though.anything that was less than a good (perfect) conductor has the potential to become a diode and generate noise when you light it up with RF.

I'd be interested in hearing about any results you might have.

Mike

WM4B

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Ken Snipes
Sent: Friday, August 29, 2008 5:53 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas]

I have a old barn with a tin roof, and im guessing its 40 ft X 30 Ft square. It would probably make a good ground plane for some type of Ant. If you had this , what would YOU DO?

KD4IEN
10-10# 74734

You can also find me on the WEB at...
KD4IEN on the AOL imer
KD4IEN on Yahoo Messenger

No virus found in this outgoing message.
Checked by AVG - http://www.avg.com
Version: 8.0.138 / Virus Database: 270.6.10/1638 - Release Date: 8/27/2008 7:06 PM

[Non-text portions of this message have been removed]

5658. Re: [ham-antennas]

Yahoo group: ham-antennas (2008)
Date: 2008-08-29 13:22:38 UTC
From: danny garvin
Topic: 5658 Message: 5658

I loaded up two metal building for field day this year at our local 4H center.
Danny
   WB9RIM

----- Original Message ----
From: Ken Snipes <kd4ien@...>
To: ham-antennas@yahoogroups.com
Sent: Friday, August 29, 2008 4:52:31 AM
Subject: [ham-antennas]

I have a old barn with a tin roof, and im guessing its 40 ft X 30 Ft
square. It would probably make a good ground plane for some type of
Ant. If you had this , what would YOU DO?

KD4IEN
10-10# 74734

You can also find me on the WEB at...
KD4IEN on the AOL imer
KD4IEN on Yahoo Messenger

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Checked by AVG - http://www.avg. com
Version: 8.0.138 / Virus Database: 270.6.10/1638 - Release Date: 8/27/2008 7:06 PM

[Non-text portions of this message have been removed]

5659. Re: [ham-antennas]

Yahoo group: ham-antennas (2008)
Date: 2008-08-29 13:29:20 UTC
From: w8okn@charter.net
Topic: 5659 Message: 5659

I would place a vertical on top of it and enjoy the premium results of having a near perfectly efficient antenna.
--
From the desk of W8OKN, northern Michigan

---- Ken Snipes <kd4ien@...> wrote:
> I have a old barn with a tin roof, and im guessing its 40 ft X 30 Ft
> square. It would probably make a good ground plane for some type of
> Ant. If you had this , what would YOU DO?
>
>
> KD4IEN
> 10-10# 74734
>
> You can also find me on the WEB at...
> KD4IEN on the AOL imer
> KD4IEN on Yahoo Messenger
>
>
> No virus found in this outgoing message.
> Checked by AVG - http://www.avg.com
> Version: 8.0.138 / Virus Database: 270.6.10/1638 - Release Date: 8/27/2008 7:06 PM
>

5660. Re: [ham-antennas]

Yahoo group: ham-antennas (2008)
Date: 2008-08-29 13:37:38 UTC
From: W5CPT
Topic: 5660 Message: 5660

W8OKN said:

"I would place a vertical on top of it and enjoy the premium results of having a near perfectly efficient antenna."

That works in principle but not in practice.

Unless the panels of the roof are well bonded together all you will end up with is random pieces of metal under the antenna not reactive at any frequency of interest. Remember the ground plane must be roughly a 1/4 wave dimension to be the effective other half of the vertical antenna. Bonding the panels together may be feasible depending on the construction and the condition of the roof. It may be easier to lay wire radials on the roof to form the effective ground plane.

Clint - W5CPT

[Non-text portions of this message have been removed]

5661. Re: [ham-antennas]

Yahoo group: ham-antennas (2008)
Date: 2008-08-29 15:21:01 UTC
From: w8okn@charter.net
Topic: 5660 Message: 5661

If it were me, I'd try this setup in a heartbeat. Most vertical installations have 6-12 radials, at best. Although 120 is great, most have modest setups. Having an aluminum base would increase the efficiency tremendously.

This is not a debate about whether you agree, it is a question about what other hams would do. If it were me, I would place a vertical above it and have an efficient antenna.

--
From the desk of W8OKN, northern Michigan

---- W5CPT <w5cpt@...> wrote:
> W8OKN said:
>
> "I would place a vertical on top of it and enjoy the premium results of having a near perfectly efficient antenna."
>
> ---
>
> That works in principle but not in practice.
>
> Unless the panels of the roof are well bonded together all you will end up with is random pieces of metal under the antenna not reactive at any frequency of interest. Remember the ground plane must be roughly a 1/4 wave dimension to be the effective other half of the vertical antenna. Bonding the panels together may be feasible depending on the construction and the condition of the roof. It may be easier to lay wire radials on the roof to form the effective ground plane.
>
> Clint - W5CPT
>
>
> [Non-text portions of this message have been removed]
>

5662. Re: [ham-antennas]

Yahoo group: ham-antennas (2008)
Date: 2008-08-29 16:27:02 UTC
From: Bill
Topic: 5660 Message: 5662

My "actual" experience is different than that. I never bothered bonding the sheets in the roof of a metal building approximately 40 x 60 in dimension. at the top of the roof I placed two multiband verticals 1/4 wave apart on 40 meters. I then fed them in accordance with the recommendations of Hy-gain in order to make them switchable as phased verticals on 40 meters. The bases were mounted near the apex of the roof with the base of the verticals at about 8 inches from the metal roof.

Although it is hard to get the installation perfect without true phase detection, they did work as designed increasing the apparent directional gain characteristic when phased as end-fire antennas with a cardioid pattern and when phased as broadside with bow tie pattern. No effort was made to establish the ground plane other than as described except for a grounding set up near the exciter.

73
Bill
W7VP
----- Original Message -----
From: W5CPT
To: ham-antennas@yahoogroups.com
Sent: Friday, August 29, 2008 6:37 AM
Subject: Re: [ham-antennas]

W8OKN said:

"I would place a vertical on top of it and enjoy the premium results of having a near perfectly efficient antenna."

That works in principle but not in practice.

Unless the panels of the roof are well bonded together all you will end up with is random pieces of metal under the antenna not reactive at any frequency of interest. Remember the ground plane must be roughly a 1/4 wave dimension to be the effective other half of the vertical antenna. Bonding the panels together may be feasible depending on the construction and the condition of the roof. It may be easier to lay wire radials on the roof to form the effective ground plane.

Clint - W5CPT

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

5663. Re: barn roof

Yahoo group: ham-antennas (2008)
Date: 2008-08-30 00:53:46 UTC
From: catboat15@aol.com
Topic: 5663 Message: 5663

One time when I working for the local power company I was called out on a complaint that a resident near a local BC station was "hearing music" everytime she went into her garage. On investigating the problem we found that old joints in her aluminum garage roof were acting as a diode and she was getting signals through the aluminum roof. (We never did figure out how the roof acted as a speaker). We cured the problem by bonding each sheet of metal to a ground strap that ran around the roof and then to a ground rod driven close to the garage. That seemed to shut up the case of the talking garage.

John Meacham
DE K6SUF

**********It's only a deal if it's where you want to go. Find your travel deal here.
(http://information.travel.aol.com/deals?ncid=aoltrv00050000000047)

[Non-text portions of this message have been removed]

5664. screwdriver vs. whip with tuner

Yahoo group: ham-antennas (2008)
Date: 2008-08-30 00:55:20 UTC
From: ve3diz
Topic: 5664 Message: 5664

I hear a lot of talk about screwdriver antenna's and was wondering something about the difference between the different mobile hf antenna's. Is the coil on a screwdriver antenna just acting as a tuner for the whip or is it doing something more? And if it does just tune the whip, would it not be better to get a 102" whip and use an sgc 230 to tune it since it would give you a longer radiator? Is there anyone out there that can clarify things for me?
Matt, VE3DIZ

5665. Re: [ham-antennas] Re: barn roof

Yahoo group: ham-antennas (2008)
Date: 2008-08-30 01:07:16 UTC
From: N0ATH
Topic: 5663 Message: 5665

Hello Gentlemen,
I have an amateur friend that lives next door to a very QRO operator - when the large station next door powers "up" my friend can hear him through a metal parts box with plastic drawers filled with odd semi conductor devices - not always where he can understand him but always he can tell when he is, uh, QRO - Dave / N?ATH 73

Subject: [ham-antennas] Re: barn roof

One time when I working for the local power company I was called out on a complaint that a resident near a local BC station was "hearing music" everytime she went into her garage. On investigating the problem we found that old joints in her aluminum garage roof were acting as a diode and she was getting signals through the aluminum roof. (We never did figure out how the roof acted as a speaker). We cured the problem by bonding each sheet of metal to a ground strap that ran around the roof and then to a ground rod driven close to the garage. That seemed to shut up the case of the talking garage.

5666. RE: [ham-antennas] screwdriver vs. whip with tuner

Yahoo group: ham-antennas (2008)
Date: 2008-08-30 01:50:28 UTC
From: Mark Saunders, KJ7BS
Topic: 5664 Message: 5666

Matt,

There is a vast difference between a tuned whip antenna and a screwdriver antenna.

The tuned whip forces the impedance of the whip to match the XCVR through the tuner.

A screwdriver antenna adjusts the antenna resonance by mechanically lengthening or shortening the antenna much like you would prune a dipole antenna for resonance. There are basically two types of screwdrive antennas, those that change the electrical length by changing physical length of the antenna, like High Sierra and Scorpion antennas, and those that change the electrical length of the antenna by moving a contactor INSIDE the coil, like the Hi-Q antennas.

There is a very definite difference between tuning a whip and resonating a screwdriver type antenna.

I encourage you to do some reading on each of these screwdrive type antennas. I think you will find the reading very interesting if not educational. After doing this reading myself, I settled on the Hi-Q 4/80 RT antenna for my HF mobile operations and I have not been disappointed.

Mark, KJ7BS
Glendale, AZ
Editor, The SKCC Centurion
Elecraft K2 S/N 0539
Fists # 2972 CC 1806
SKCC # 2240 C56 T20

MQFD # 128
QRP-ARCI # 12647
AZ ScQRPions

COGRC Emergency Communications

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of ve3diz
Sent: Friday, August 29, 2008 5:55 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] screwdriver vs. whip with tuner

I hear a lot of talk about screwdriver antenna's and was wondering something about the difference between the different mobile hf antenna's. Is the coil on a screwdriver antenna just acting as a tuner for the

whip or is it doing something more? And if it does just tune the whip, would it not be better to get a 102" whip and use an sgc 230 to tune it since it would give you a longer radiator? Is there anyone out there that can clarify things for me?
Matt, VE3DIZ

[Non-text portions of this message have been removed]

5667. Re: [ham-antennas] screwdriver vs. whip with tuner

Yahoo group: ham-antennas (2008)
Date: 2008-08-30 02:04:56 UTC
From: Chris
Topic: 5664 Message: 5667

I agree with what was posted re: the screwdriver antennas. I run a 102" whip and an SGC 237 on my Jeep, from 20m and up it works o.k., below that it tunes but is virtually a dummy load.

A screwdriver will outperform my setup handily. In comparisons on the air on 75m my setup is roughly an S3 and barely copiable, vs a friend's shortie Tarheel where he was an S9 with solid copy...both at 100W input. Another friend has a full sized screwdriver and he is well over S9, same distance, same power.

I chose the whip and tuner because the whip is a far lower profile vandalism target and that is an issue around here. If someone takes my whip I'm out $20 and not $550...but the performance I lost is rather large.

I really enjoy 40m and 75m and that leaves me pondering either a big coil Bug Catcher or going to a screwdriver after all as my tuner and whip is rather hopeless on those bands.

On Fri, Aug 29, 2008 at 9:50 PM, Mark Saunders, KJ7BS <kj7bs@...> wrote:
> Matt,
> There is a vast difference between a tuned whip antenna and a screwdriver
> antenna.
> The tuned whip forces the impedance of the whip to match the XCVR through
> the tuner.
>
> A screwdriver antenna adjusts the antenna resonance by mechanically
> lengthening or shortening the antenna much like you would prune a dipole
> antenna for resonance.
> From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On
> Behalf Of ve3diz
> I hear a lot of talk about screwdriver antenna's and was wondering
> something about the difference between the different mobile hf antenna's.
> Is the coil on a screwdriver antenna just acting as a tuner for the
> whip or is it doing something more? And if it does just tune the whip,
> would it not be better to get a 102" whip and use an sgc 230 to tune
> it since it would give you a longer radiator? Is there anyone out
> there that can clarify things for me?
> Matt, VE3DIZ
>

5668. Re: Induced Voltage

Yahoo group: ham-antennas (2008)
Date: 2008-08-30 02:14:54 UTC
From: Aaron
Topic: 5653 Message: 5668

Andy,
Thanks for your input. I measured the current on the vertical and it was about 60uA. The V at 300V has 450uA. With the low input impedance the vertical is probably not a problem. I may play around with creating a low impedance path to ground for the 60Hz.

-Aaron

--- In ham-antennas@yahoogroups.com, Andy <Andy.groups@...> wrote:
>
> If you are measuring with a high impedance DVM then it may behave a little
> like static electricity ... lots of voltage but not much oomph behind it.
> With a sufficiently high impedance instrument, you can find almost any
> arbitrarily large voltage. How much does the voltage drop when you connect
> a 50 ohm (or even something like a 10K) resistor load? You might find that
> much of it goes away, because the source impedance of the voltage induced in
> the antenna is very large.
>
> If so, just connecting it to your radio will similarly cut the voltage way
> down, without adding anything. But a choke would also do a good job of
> shorting it at 60 Hz.
>
> Andy
>

5669. First Post with Questions about 20m 1/2 Wave Vertical.

Yahoo group: ham-antennas (2008)
Date: 2008-08-30 02:55:58 UTC
From: Jack Chomley
Topic: 5669 Message: 5669

Hi Everyone,

OK name is Jack, call is VK4JRC. I generally only work HF, have a 30M HF APRS setup on my motorcycle, have field portable gear with Buddipole, tuners and other bits. I generally manage to radiate some signals, ocassionally :-)
BUT, I am wanting to build a half wave vertical for 20 metres.
I am looking to feed it with a gamma ring method, the same as the 11 metre antennas from the last millenium! The reason is, that I am in a high lightning strike area and need a DC ground antenna design.
I need the dimensions of the ring and the capacitance calculations for the feed point of this antenna. Anyone with ideas or links to where I may find out what I need to know?

73s Jack VK4JRC

5670. Re: [ham-antennas] Re: barn roof

Yahoo group: ham-antennas (2008)
Date: 2008-08-30 03:19:41 UTC
From: Phil Bader
Topic: 5663 Message: 5670

The metal roof parts where they contacted each other would have been oxidized and created what we used to call a contact rectifier. That detected the strong RF signal, and the large roof acted as a sound board. A sort of simple crystal set. Neat.
Phil B
Philip Bader
Polk County School Board
Intercom & Fire Alarm Electronics Systems Tech
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakelandarc.org/
pbader@...

----- Original Message -----
From: catboat15@...
To: ham-antennas@yahoogroups.com
Sent: Friday, August 29, 2008 8:53 PM
Subject: [ham-antennas] Re: barn roof

One time when I working for the local power company I was called out on a complaint that a resident near a local BC station was "hearing music" everytime she went into her garage. On investigating the problem we found that old joints in her aluminum garage roof were acting as a diode and she was getting signals through the aluminum roof. (We never did figure out how the roof acted as a speaker). We cured the problem by bonding each sheet of metal to a ground strap that ran around the roof and then to a ground rod driven close to the garage. That seemed to shut up the case of the talking garage.

John Meacham
DE K6SUF

**********It's only a deal if it's where you want to go. Find your travel deal here.
(http://information.travel.aol.com/deals?ncid=aoltrv00050000000047)

[Non-text portions of this message have been removed]

Internal Virus Database is out of date.
Checked by AVG - http://www.avg.com
Version: 8.0.138 / Virus Database: 270.6.9/1634 - Release Date: 8/25/2008 8:48 PM

Internal Virus Database is out of date.
Checked by AVG - http://www.avg.com
Version: 8.0.138 / Virus Database: 270.6.9/1634 - Release Date: 8/25/2008 8:48 PM

[Non-text portions of this message have been removed]

5671. Re: [ham-antennas] Induced Voltage

Yahoo group: ham-antennas (2008)
Date: 2008-08-30 03:22:30 UTC
From: Phil Bader
Topic: 5653 Message: 5671

Are these antennas at right angles to the power lines, or parallel to them?
Phil B
Philip Bader
Polk County School Board
Intercom & Fire Alarm Electronics Systems Tech
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakelandarc.org/
pbader@...

----- Original Message -----
From: Aaron
To: ham-antennas@yahoogroups.com
Sent: Thursday, August 28, 2008 11:31 PM
Subject: [ham-antennas] Induced Voltage

Hi Everyone,

I have a unique problem that I could not find anything on when searching the archives. We live next to some high power transmission lines because of space limitations I could not put an inverted V out back so I put it out front with about half under the lines. I did not think it would be a problem as I had read on line that the Mythbusters TV show could not get more than a couple volts when trying to inductively couple to the lines and steal power. Well I was wrong and found about 300VAC induced on the antenna! I have not checked it with a scope but my DVM displays it in AC mode, almost nothing in DC. This does not bother me too much as I can cut the antenna down and it may fit the back yard. What does bother me is my BigIR 40-6m vertical which sits about 50ft from the lines. I checked it at 40M and found 30VAC on the coax center conductor. Fortunately from what I can tell this has not hurt my equipment but I don't think this is very good for it.

What I am investigating is some way to either block the AC with a high pass filter or short it to ground with an RF choke. Has anyone on the list ever come across a problem like this and what was done to resolve it.?

Thanks
-Aaron

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Version: 8.0.138 / Virus Database: 270.6.9/1634 - Release Date: 8/25/2008 8:48 PM

[Non-text portions of this message have been removed]

5672. Being New to the Group O have a question about Apartments

Yahoo group: ham-antennas (2008)
Date: 2008-08-30 21:01:50 UTC
From: amschler_clan
Topic: 5672 Message: 5672

I live in a 105 year old building in downtown Seattle made of Lath & Plaster so lots of wire mesh in the walls, live on the second floor of a four story building. I can't put up an outside (on the roof or in the tree) antennae for my 2 meter or 6/10 meter radios. What kind of ideas od antenna's are out there that I might be able to use? I am thinking a J Pole or maybe a dipole.

If you have any web sites great.

Paul

5673. Re: [ham-antennas] First Post with Questions about 20m 1/2 Wave Vertical.

Yahoo group: ham-antennas (2008)
Date: 2008-08-30 23:03:40 UTC
From: Stan Labinsky Jr.
Topic: 5669 Message: 5673

Hi Jack. A word about "DC grounded" antennas.
While it would seem a good idea, and for static dissipation it will work, that DC ground will, or should, appear as an open circuit at the frequency the antenna is designed to operate at.
The Ploy Phase company did a test years back in which they connected together the center conductor and shield of a length of coax and ran it to ground through some value resistor. At the other end they had a 50 ohm load across the cable and a dual trace scope set up, one input to the center conductor the other to the shield.
Then they put a pulse of current through the far end resistor and looked at what came through the cable.
The first pulse they saw was the one traveling over the outside of the coax shield, the second was the pulse being carried be the center conductor.
The point is... there was a difference in the time of arrival of the pulses even though the far end of the cable was hit by only one pulse. What this means is that an antenna which trumpets DC ground really more protects the antenna and the strike pulse coming down the cable will look like a real signal at the radio's input... a differential signal as opposed to a common mode one.
The repair for this phenomenon, caused by the cable's propagation delay, is to install lightning suppression in coax lead at the radio, and not just a spark gap, but a real suppresser... gas tube, capacitive coupled, etc.
This will happen even if the radio's chassis is solidly grounded to your ground rod system.
One other point. Your resonant antenna is like a tuning fork, in that it can be "rung" be the energy in a near-by strike and will "amplify" the induced pulse by its being resonant to the signal energy contained in the stroke at the frequency your radio is expecting to see.
These are not my words... check out Polyphaser.com (http://www.polyphaser.com/technical_notes.aspx) for the whole story.

Stan

----- Original Message -----
From: Jack Chomley
To: ham-antennas@yahoogroups.com
Sent: Friday, August 29, 2008 10:55 PM
Subject: [ham-antennas] First Post with Questions about 20m 1/2 Wave Vertical.

Hi Everyone,

OK name is Jack, call is VK4JRC. I generally only work HF, have a 30M HF APRS setup on my motorcycle, have field portable gear with Buddipole, tuners and other bits. I generally manage to radiate some signals, ocassionally :-)
BUT, I am wanting to build a half wave vertical for 20 metres.
I am looking to feed it with a gamma ring method, the same as the 11 metre antennas from the last millenium! The reason is, that I am in a

high lightning strike area and need a DC ground antenna design.
I need the dimensions of the ring and the capacitance calculations for the feed point of this antenna. Anyone with ideas or links to where I may find out what I need to know?

73s Jack VK4JRC

[Non-text portions of this message have been removed]

5674. My list of Yahoo Groups :)

Yahoo group: ham-antennas (2008)
Date: 2008-08-31 01:52:00 UTC
From: jerry schnor
Topic: 5674 Message: 5674

Hi,

You can see a list of my groups on Grouply at the link below. Maybe you'll find some you want to join.

jerry

Here's the link:
http://www.grouply.com/register.php?tmg=500231&vt=5459116

==========
This message was posted by a fellow group member who uses Grouply instead of email to access this group. Grouply blocks additional invitations from being sent to this group by anyone for 30 days. Group owners can permanently block future invitations. For more on how Grouply maintains privacy and protects you, see http://blog.grouply.com/protect/ .

[Non-text portions of this message have been removed]

5675. 440 info

Yahoo group: ham-antennas (2008)
Date: 2008-08-31 02:41:58 UTC
From: Pat Turner
Topic: 5675 Message: 5675

I am back (after purchasing an Alpha-Delta LB+) asking for recomendations for a good 440 base antenna. I have figured I could build a J-pole, but am looking for your experiences for a good factory antenna. I will probably put a beam later, but for now just looking to hit some repeaters. i already have a Cush Craft 2 meter. My Kenwood TS2K has a separate connector for a 70 cm antenna, so I dont need a dual band.
thanks for your input.
Pat Turner, K3PB

[Non-text portions of this message have been removed]

5676. Re: First Post with Questions about 20m 1/2 Wave Vertical.

Yahoo group: ham-antennas (2008)
Date: 2008-08-31 02:57:24 UTC
From: Jack Chomley
Topic: 5669 Message: 5676

--- In ham-antennas@yahoogroups.com, "Stan Labinsky Jr." <stanbarb@...> wrote:
>
> Hi Jack. A word about "DC grounded" antennas.
> While it would seem a good idea, and for static dissipation it will work, that DC ground will, or should, appear as an open circuit at the frequency the antenna is designed to operate at.
Snip>

Thanks Stan, Mmmm....food for thought, looks like the DC ground theory is not the total answer I thought it was. A lightning protection regime is still needed, lots of good info on that link.
Whilst I will still run with my half wave antenna project, I will pay attention to putting protection on my station equipment.

73s Jack VK4JRC

5677. Re: [ham-antennas] Re: barn roof

Yahoo group: ham-antennas (2008)
Date: 2008-08-31 11:01:11 UTC
From: Walter A. Breining
Topic: 5663 Message: 5677

In the 70's I was Chief Engineer for WBRI, a three tower 5 KW AM station on 1500. When the station was first commissioned the antenna field was surrounded by cornfields. Around 1970 apartments were built in the surrounding cornfields. We had music coming out of toilets, sinks, refrigerators, and furnaces. A lot of grounding and strapping around discontinuities was involved. Since the station had a Bible format, urban legends abounded.
Vy 73, Walt, N9WB

----- Original Message -----
From: catboat15@...
To: ham-antennas@yahoogroups.com
Sent: Friday, August 29, 2008 20:53
Subject: [ham-antennas] Re: barn roof

One time when I working for the local power company I was called out on a complaint that a resident near a local BC station was "hearing music" everytime
she went into her garage. On investigating the problem we found that old joints in her aluminum garage roof were acting as a diode and she was getting
signals through the aluminum roof. (We never did figure out how the roof acted
as a speaker). We cured the problem by bonding each sheet of metal to a ground strap that ran around the roof and then to a ground rod driven close to
the garage. That seemed to shut up the case of the talking garage.

John Meacham
DE K6SUF

5678. Re: [ham-antennas] Re: barn roof

Yahoo group: ham-antennas (2008)
Date: 2008-08-31 15:48:42 UTC
From: Phil Bader
Topic: 5663 Message: 5678

Are you sure of the power? 5KW seems low for commercial. Maybe 50KW? Imagine all the drunks who were "cured"!
Phil B
Philip Bader
Polk County School Board
Intercom & Fire Alarm Electronics Systems Tech
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakelandarc.org/
pbader@...

----- Original Message -----
From: Walter A. Breining
To: ham-antennas@yahoogroups.com
Sent: Sunday, August 31, 2008 7:01 AM
Subject: Re: [ham-antennas] Re: barn roof

In the 70's I was Chief Engineer for WBRI, a three tower 5 KW AM station on 1500. When the station was first commissioned the antenna field was surrounded by cornfields. Around 1970 apartments were built in the surrounding cornfields. We had music coming out of toilets, sinks, refrigerators, and furnaces. A lot of grounding and strapping around discontinuities was involved. Since the station had a Bible format, urban legends abounded.
Vy 73, Walt, N9WB

----- Original Message -----
From: catboat15@...
To: ham-antennas@yahoogroups.com
Sent: Friday, August 29, 2008 20:53
Subject: [ham-antennas] Re: barn roof

One time when I working for the local power company I was called out on a complaint that a resident near a local BC station was "hearing music" everytime
she went into her garage. On investigating the problem we found that old joints in her aluminum garage roof were acting as a diode and she was getting
signals through the aluminum roof. (We never did figure out how the roof acted
as a speaker). We cured the problem by bonding each sheet of metal to a ground strap that ran around the roof and then to a ground rod driven close to
the garage. That seemed to shut up the case of the talking garage.

John Meacham
DE K6SUF

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Version: 8.0.138 / Virus Database: 270.6.9/1634 - Release Date: 8/25/2008 8:48 PM

[Non-text portions of this message have been removed]

5679. Outreach 500 + Capacitance Top Hat?????

Yahoo group: ham-antennas (2008)
Date: 2008-08-31 17:12:48 UTC
From: captain_magic
Topic: 5679 Message: 5679

Hello group,

Keeping in the true interest of experimenting, has anyone tried adding a capacitance hat to the stinger (top adjustment rod) of an Outreach 500 just to see what it would do on 40 and 20 meters . . if anything??

I've read a few articles descrbing the fact that a capacitive top hat doesn't add anything to the energy transmitted, but in some cases, makes the vertical appear higher to fight trees and houses.

5680. Re: My list of Yahoo Groups :)

Yahoo group: ham-antennas (2008)
Date: 2008-08-31 17:34:29 UTC
From: Bill
Topic: 5674 Message: 5680

This groupy thing is sending messages to everyone in my groups also.
I don't think one from me has hit this group as I have gone into the
groupy thing and removed all my info. My suggestion, don't sign up for
groupy or you will be sending this stuff to all your groups to.
73
ab9qu

--- In ham-antennas@yahoogroups.com, jerry schnor <wi7f@...> wrote:
>
> Hi,
>
> You can see a list of my groups on Grouply at the link below. Maybe
you'll find
> some you want to join.
>
> jerry
>
> Here's the link:
> http://www.grouply.com/register.php?tmg=500231&vt=5459116
>
>
>
>
>
> ====================
> This message was posted by a fellow group member who uses Grouply
instead of
> email to access this group. Grouply blocks additional invitations
from being
> sent to this group by anyone for 30 days. Group owners can
permanently block
> future invitations. For more on how Grouply maintains privacy and
protects you,
> see http://blog.grouply.com/protect/ .
>
>
>
>
> [Non-text portions of this message have been removed]
>

5681. Re: My list of Yahoo Groups :)

Yahoo group: ham-antennas (2008)
Date: 2008-08-31 19:05:57 UTC
From: amschler_clan
Topic: 5674 Message: 5681

This group is a phshing group they get all your contact info and spam away. Even when you opt out of the group you get a message about false rumors about them.

I am involved in a few different Yahoo groups and people have joined just to get their message out then vanish from the group once they get into the groups contacts. The only thing they post is their invite to their group.

Paul

--- In ham-antennas@yahoogroups.com, "Bill" <billvet6@...> wrote:
>
> This groupy thing is sending messages to everyone in my groups also.
> I don't think one from me has hit this group as I have gone into the
> groupy thing and removed all my info. My suggestion, don't sign up for
> groupy or you will be sending this stuff to all your groups to.
> 73
> ab9qu
>
>
>
>
> --- In ham-antennas@yahoogroups.com, jerry schnor <wi7f@> wrote:
> >
> > Hi,
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> > You can see a list of my groups on Grouply at the link below. Maybe
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> protects you,
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> >
> >
> >
> >
> > [Non-text portions of this message have been removed]
> >
>

5682. Off topic....Off topic.....Not for the squeemish.....My 756 Pro's Guts

Yahoo group: ham-antennas (2008)
Date: 2008-08-31 21:31:50 UTC
From: Tom
Topic: 5682 Message: 5682

Hello Hamtenna Group,

This post is off topic and not for the squeamish, as it involves guts, but no blood.

I had to replace a frozen relay in my built in antenna tuner. That happened when I tried to tune a tuner. While I was performing surgery on my rig, I decided to blow the cat hairs and dust out of it and clean the connectors by inserting all the connections a few times. The radio works great and had no leftover parts!

See: http://ph.groups.yahoo.com/group/ham-antennas/photos/view/f4ef?b=12

Cheers.

Tom
KE6YNH, 73
San Diego, CA

[Non-text portions of this message have been removed]

5683. Re: First Post with Questions about 20m 1/2 Wave Vertical.

Yahoo group: ham-antennas (2008)
Date: 2008-08-31 23:19:14 UTC
From: Bryan
Topic: 5669 Message: 5683

Jack Chomley wrote:
>
> Hi Everyone,
>
> OK name is Jack, call is VK4JRC. I generally only work HF, have a 30M
> HF APRS setup on my motorcycle, have field portable gear with
> Buddipole, tuners and other bits. I generally manage to radiate some
> signals, ocassionally :-)
> BUT, I am wanting to build a half wave vertical for 20 metres.
> I am looking to feed it with a gamma ring method, the same as the 11
> metre antennas from the last millenium! The reason is, that I am in a
> high lightning strike area and need a DC ground antenna design.
> I need the dimensions of the ring and the capacitance calculations for
> the feed point of this antenna. Anyone with ideas or links to where I
> may find out what I need to know?
>
> 73s Jack VK4JRC

Hi Jack,

You're talking about the Cushcraft Ringo antennas (the AR10 and AR11 models). The 'Gamma Ring' was effectovely tapped inductor that put the antenna element at DC ground. They used a stub of coax to resonate the inductor, and the tap selected the correct transformation ratio. I can't help with the dimensions.

However, I built a 20m lambda/2 vertical (see http://www.geocities.com/bswadener/antennas/). Mine uses a homebrew tapped coil which wasn't difficult to make from 0.25" (6mm) OD soft copper tubing. I resonate it with an air variable capacitor with some padding across it (a stub of coax could be used instead). I used the program on http://www.smeter.net/antennas/vertune.php to calculate the optimal values. If you look closely at the photos on my page, you'll see that not only is the tap point adjustable, the coil length can be varied. In fact, everything is variable! hi An upside-down plastic planter pot protects the network from the weather. It works FB.

vy 73 es gud dx,
Bryan WA7PRC
>

5684. Re: [ham-antennas] Re: My list of Yahoo Groups :)

Yahoo group: ham-antennas (2008)
Date: 2008-09-01 00:45:39 UTC
From: Prasad Agrahar
Topic: 5674 Message: 5684

The moderator/owner has to act here by going to http://blog.grouply.com/owners/ and use the instructions there to disable all access to Grouply to the group. I am moderator of several groups and I am in the process of doing it one by one.

Prasad AB3EH

----- Original Message ----
From: Bill <billvet6@...>
To: ham-antennas@yahoogroups.com
Sent: Sunday, August 31, 2008 1:34:29 PM
Subject: [ham-antennas] Re: My list of Yahoo Groups :)

This groupy thing is sending messages to everyone in my groups also.
I don't think one from me has hit this group as I have gone into the
groupy thing and removed all my info. My suggestion, don't sign up for
groupy or you will be sending this stuff to all your groups to.
73
ab9qu

--- In ham-antennas@yahoogroups.com, jerry schnor <wi7f@...> wrote:
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> some you want to join.
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protects you,
> see http://blog.grouply.com/protect/ .

>
>
>
>
> [Non-text portions of this message have been removed]
>

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 974 members (as of 11/07/07, and attachments are NOT permitted.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

[Non-text portions of this message have been removed]

5685. Re: Induced Voltage

Yahoo group: ham-antennas (2008)
Date: 2008-09-01 01:32:05 UTC
From: Aaron
Topic: 5653 Message: 5685

Hi Phil,
The vertical is and the V is as close as I can get it.

I checked the schematics on my tuner and there is an RF Choke bleeding the AC to ground. I connected the antenna and there was no voltage on the connection to the Radio. I guess the problem has been solved.

Thanks
-Aaron

--- In ham-antennas@yahoogroups.com, "Phil Bader" <PBADER@...> wrote:
>
> Are these antennas at right angles to the power lines, or parallel to them?
> Phil B
> Philip Bader
> Polk County School Board
> Intercom & Fire Alarm Electronics Systems Tech
> Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006
> Amateur call: KI4NUC, Winter Haven, Fl.
> Member: Lakeland Amateur Radio Club
> http://www.lakelandarc.org/
> pbader@...
>
> ----- Original Message -----
> From: Aaron
> To: ham-antennas@yahoogroups.com
> Sent: Thursday, August 28, 2008 11:31 PM
> Subject: [ham-antennas] Induced Voltage
>
>
> Hi Everyone,
>
> I have a unique problem that I could not find anything on when
> searching the archives. We live next to some high power transmission
> lines because of space limitations I could not put an inverted V out
> back so I put it out front with about half under the lines. I did not
> think it would be a problem as I had read on line that the Mythbusters
> TV show could not get more than a couple volts when trying to
> inductively couple to the lines and steal power. Well I was wrong and
> found about 300VAC induced on the antenna! I have not checked it with
> a scope but my DVM displays it in AC mode, almost nothing in DC. This
> does not bother me too much as I can cut the antenna down and it may
> fit the back yard. What does bother me is my BigIR 40-6m vertical
> which sits about 50ft from the lines. I checked it at 40M and found
> 30VAC on the coax center conductor. Fortunately from what I can tell

> this has not hurt my equipment but I don't think this is very good
for it.
>
> What I am investigating is some way to either block the AC with a high
> pass filter or short it to ground with an RF choke. Has anyone on the
> list ever come across a problem like this and what was done to resolve
> it.?
>
> Thanks
> -Aaron
>
>
>
>
> Internal Virus Database is out of date.
> Checked by AVG - http://www.avg.com
> Version: 8.0.138 / Virus Database: 270.6.9/1634 - Release Date:
8/25/2008 8:48 PM
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> Internal Virus Database is out of date.
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> Version: 8.0.138 / Virus Database: 270.6.9/1634 - Release Date:
8/25/2008 8:48 PM
>
>
>
> [Non-text portions of this message have been removed]
>

5686. Re: [ham-antennas] Re: My list of Yahoo Groups :)

Yahoo group: ham-antennas (2008)
Date: 2008-09-01 05:44:44 UTC
From: jerry
Topic: 5674 Message: 5686

i got the groupy thing from someone in the ham antenna reflector and it acts like a virus now cannot get rid of it it has hit all my groups i think that are part of yahoo,, but nothing else that i know of so far
jerry

----- Original Message ----
From: amschler_clan <amschler_clan@...>
To: ham-antennas@yahoogroups.com
Sent: Sunday, August 31, 2008 12:05:57 PM
Subject: [ham-antennas] Re: My list of Yahoo Groups :)

This group is a phshing group they get all your contact info and spam
away. Even when you opt out of the group you get a message about false
rumors about them.

I am involved in a few different Yahoo groups and people have joined
just to get their message out then vanish from the group once they get
into the groups contacts. The only thing they post is their invite to
their group.

Paul

--- In ham-antennas@ yahoogroups. com, "Bill" <billvet6@.. .> wrote:
>
> This groupy thing is sending messages to everyone in my groups also.
> I don't think one from me has hit this group as I have gone into the
> groupy thing and removed all my info. My suggestion, don't sign up for
> groupy or you will be sending this stuff to all your groups to.
> 73
> ab9qu
>
>
>
>
> --- In ham-antennas@ yahoogroups. com, jerry schnor <wi7f@> wrote:
> >
> > Hi,
> >
> > You can see a list of my groups on Grouply at the link below. Maybe
> you'll find
> > some you want to join.
> >
> > jerry
> >
> > Here's the link:
> > http://www.grouply. com/register. php?tmg=500231& amp;vt=5459116

> >
> >
> >
> >
> >
> > ========== ========
> > This message was posted by a fellow group member who uses Grouply
> instead of
> > email to access this group. Grouply blocks additional invitations
> from being
> > sent to this group by anyone for 30 days. Group owners can
> permanently block
> > future invitations. For more on how Grouply maintains privacy and
> protects you,
> > see http://blog. grouply.com/ protect/ .
> >
> >
> >
> >
> > [Non-text portions of this message have been removed]
> >
>

[Non-text portions of this message have been removed]

5687. Re: [ham-antennas] Re: My list of Yahoo Groups :)

Yahoo group: ham-antennas (2008)
Date: 2008-09-01 09:17:27 UTC
From: hermit
Topic: 5674 Message: 5687

On Sun, 31 Aug 2008 17:45:39 -0700 (PDT), you wrote:

>The moderator/owner has to act here by going to http://blog.grouply.com/owners/ and use the instructions there to disable all access to Grouply to the group. I am moderator of several groups and I am in the process of doing it one by one.
>
>Prasad AB3EH
>
>
>
>----- Original Message ----
>From: Bill <billvet6@yahoo.com>
>To: ham-antennas@yahoogroups.com
>Sent: Sunday, August 31, 2008 1:34:29 PM
>Subject: [ham-antennas] Re: My list of Yahoo Groups :)
>
>This groupy thing is sending messages to everyone in my groups also.
>I don't think one from me has hit this group as I have gone into the
>groupy thing and removed all my info. My suggestion, don't sign up for
>groupy or you will be sending this stuff to all your groups to.
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>--- In ham-antennas@yahoogroups.com, jerry schnor <wi7f@...> wrote:
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>> Hi,
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>> You can see a list of my groups on Grouply at the link below. Maybe
>you'll find
>> some you want to join.
>>
>> jerry
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>> Here's the link:
>> http://www.grouply.com/register.php?tmg=500231&vt=5459116
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>>
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>>
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>
>HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 974
members (as of 11/07/07, and attachments are NOT permitted.
>Post message: ham-antennas@yahoogroups.com
>Subscribe: ham-antennas-subscribe@yahoogroups.com
>Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
>List owner: ham-antennas-owner@yahoogroups.com
>Yahoo! Groups Links
>
>
>
>
>
>
>[Non-text portions of this message have been removed]

5688. Re: [ham-antennas] Re: barn roof

Yahoo group: ham-antennas (2008)
Date: 2008-09-01 11:04:13 UTC
From: Walter A. Breining
Topic: 5663 Message: 5688

Yes, it was 5 kW with 3 towers.

I also have been chief engineer at two stations that ran 250 W with 6 towers and one that ran 500 watts with 4 towers. The towers were phased to create a pattern with nulls to protect co-channel and adjacent channel stations that were on the air before us.

I held a First Class license in those days. We were all downgraded to a General Radiotelephone license later when we were combined with the Second Class licensees.

There are many more lower power AM stations than there are 50 kW stations. Many stations run as low as 250 w or less and many must cease operation, change antenna patterns, or go off the air during the night time hours. In the Midwest there are more co-channel and adjacent channel stations to protect because we have land with people and stations on all sides of us. You have oceans on the East and West of Florida.

Yes, there are a lot of strange stories connected with this RF problem. We were a Daytime only station as we had to go off the air at sunset to protect WLAC on 1510 in Nashville Tn. from our night time skywave. At least people could sleep nights.

I see that you are in Winter Park Fl. Here are some of the AM stations and their power levels in your area.

WPRD in Winter Park on 1440 kHz runs 5KW day/ 1 kW Night.
WDBO in Orlando on 580 kHz runs 5 kW both Day and night
WDSO in Sanford on 1400 kHz runs 1.0 kW. This was originally licensed as WTRR on 1400 at 250 watts.
The call WTRR is now used by a low power FM in Sanford.
WONQ in Oveido on 1030 kHz runs 45 kW Day /1.7 kW Night
WHOO in Kissimme on 1080 kHz runs 10 kW Day/ .190 kW (190w) night.
WDYZ in Orlando on 990 kHz runs 50 kW Day/ 14 kW Night.
WJCM in Sebring on 1050 kHz runs 1 kW Day/.011KW (011W) Night.

Vy 73, Walt, N9WB

----- Original Message -----
From: Phil Bader
To: ham-antennas@yahoogroups.com
Sent: Sunday, August 31, 2008 11:48
Subject: Re: [ham-antennas] Re: barn roof

Are you sure of the power? 5KW seems low for commercial. Maybe 50KW? Imagine all the drunks who were "cured"!
Phil B

Philip Bader
Polk County School Board
Intercom & Fire Alarm Electronics Systems Tech
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakelandarc.org/
pbader@...

----- Original Message -----
From: Walter A. Breining
To: ham-antennas@yahoogroups.com
Sent: Sunday, August 31, 2008 7:01 AM
Subject: Re: [ham-antennas] Re: barn roof

In the 70's I was Chief Engineer for WBRI, a three tower 5 KW AM station on 1500. When the station was first commissioned the antenna field was surrounded by cornfields. Around 1970 apartments were built in the surrounding cornfields. We had music coming out of toilets, sinks, refrigerators, and furnaces. A lot of grounding and strapping around discontinuities was involved. Since the station had a Bible format, urban legends abounded.
Vy 73, Walt, N9WB

----- Original Message -----
From: catboat15@...
To: ham-antennas@yahoogroups.com
Sent: Friday, August 29, 2008 20:53
Subject: [ham-antennas] Re: barn roof

One time when I working for the local power company I was called out on a complaint that a resident near a local BC station was "hearing music" everytime
she went into her garage. On investigating the problem we found that old joints in her aluminum garage roof were acting as a diode and she was getting
signals through the aluminum roof. (We never did figure out how the roof acted
as a speaker). We cured the problem by bonding each sheet of metal to a ground strap that ran around the roof and then to a ground rod driven close to
the garage. That seemed to shut up the case of the talking garage.

John Meacham
DE K6SUF

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Version: 8.0.138 / Virus Database: 270.6.9/1634 - Release Date: 8/25/2008 8:48 PM

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[Non-text portions of this message have been removed]

No virus found in this incoming message.
Checked by AVG - http://www.avg.com
Version: 8.0.169 / Virus Database: 270.6.14/1644 - Release Date: 8/31/2008
16:59

5689. Re: [ham-antennas] Re: My list of Yahoo Groups :)

Yahoo group: ham-antennas (2008)
Date: 2008-09-01 20:41:55 UTC
From: jerry
Topic: 5674 Message: 5689

can someone tell me how to remove the groupy thing
i do not have much computer expertise so i need help
thanks
jerry

----- Original Message ----
From: hermit <hermit@...>
To: ham-antennas@yahoogroups.com
Sent: Monday, September 1, 2008 2:17:27 AM
Subject: Re: [ham-antennas] Re: My list of Yahoo Groups :)

On Sun, 31 Aug 2008 17:45:39 -0700 (PDT), you wrote:

>The moderator/owner has to act here by going to http://blog. grouply.com/ owners/ and use the instructions there to disable all access to Grouply to the group. I am moderator of several groups and I am in the process of doing it one by one.
>
>Prasad AB3EH
>
>
>
>----- Original Message ----
>From: Bill <billvet6@yahoo. com>
>To: ham-antennas@ yahoogroups. com
>Sent: Sunday, August 31, 2008 1:34:29 PM
>Subject: [ham-antennas] Re: My list of Yahoo Groups :)
>
>This groupy thing is sending messages to everyone in my groups also.
>I don't think one from me has hit this group as I have gone into the
>groupy thing and removed all my info. My suggestion, don't sign up for
>groupy or you will be sending this stuff to all your groups to.
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>> some you want to join.
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>> jerry

>>
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>> http://www.grouply. com/register. php?tmg=500231& vt=5459116
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>> [Non-text portions of this message have been removed]
>>
>
>
>
>---------- --------- --------- -------
>
>HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 974
members (as of 11/07/07, and attachments are NOT permitted.
>Post message: ham-antennas@ yahoogroups. com
>Subscribe: ham-antennas- subscribe@ yahoogroups. com
>Unsubscribe: ham-antennas- unsubscribe@ yahoogroups. com
>List owner: ham-antennas- owner@yahoogroup s.com
>Yahoo! Groups Links
>
>
>
>
>
>
>[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

5690. Re: [ham-antennas] Re: barn roof

Yahoo group: ham-antennas (2008)
Date: 2008-09-01 23:02:20 UTC
From: Phil Bader
Topic: 5663 Message: 5690

Walter, thanks for the very interesting post. I love your last station entry:
WJCM in Sebring on 1050 kHz runs 1 kW Day/.011KW (011W)
That's great. AM broadcast's frequency does lend itself to that night time propagation, being just below the 160 meter ham band.I remember back in the 70's there were many low power "underground" stations on air, many colleges.
BTW I am in Winter Haven, not Winter Park, but that town really isn't far, more near Orlando. I'm about 50 miles south west of there. Cypress Gardens is in my town. Thanks for a good post.
Phil B
Ki4NUC
Philip Bader
Polk County School Board
Intercom & Fire Alarm Electronics Systems Tech
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakelandarc.org/
pbader@...

----- Original Message -----
From: Walter A. Breining
To: ham-antennas@yahoogroups.com
Sent: Monday, September 01, 2008 7:04 AM
Subject: Re: [ham-antennas] Re: barn roof

Yes, it was 5 kW with 3 towers.

I also have been chief engineer at two stations that ran 250 W with 6 towers and one that ran 500 watts with 4 towers. The towers were phased to create a pattern with nulls to protect co-channel and adjacent channel stations that were on the air before us.

I held a First Class license in those days. We were all downgraded to a General Radiotelephone license later when we were combined with the Second Class licensees.

There are many more lower power AM stations than there are 50 kW stations. Many stations run as low as 250 w or less and many must cease operation, change antenna patterns, or go off the air during the night time hours. In the Midwest there are more co-channel and adjacent channel stations to protect because we have land with people and stations on all sides of us. You have oceans on the East and West of Florida.

Yes, there are a lot of strange stories connected with this RF problem. We were a Daytime only station as we had to go off the air at sunset to protect WLAC on 1510 in Nashville Tn. from our night time skywave. At least people

could sleep nights.

I see that you are in Winter Park Fl. Here are some of the AM stations and their power levels in your area.

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The call WTRR is now used by a low power FM in Sanford.
WONQ in Oveido on 1030 kHz runs 45 kW Day /1.7 kW Night
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WDYZ in Orlando on 990 kHz runs 50 kW Day/ 14 kW Night.
WJCM in Sebring on 1050 kHz runs 1 kW Day/.011KW (011W) Night.

Vy 73, Walt, N9WB

----- Original Message -----
From: Phil Bader
To: ham-antennas@yahoogroups.com
Sent: Sunday, August 31, 2008 11:48
Subject: Re: [ham-antennas] Re: barn roof

Are you sure of the power? 5KW seems low for commercial. Maybe 50KW? Imagine all the drunks who were "cured"!
Phil B
Philip Bader
Polk County School Board
Intercom & Fire Alarm Electronics Systems Tech
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakelandarc.org/
pbader@...

----- Original Message -----
From: Walter A. Breining
To: ham-antennas@yahoogroups.com
Sent: Sunday, August 31, 2008 7:01 AM
Subject: Re: [ham-antennas] Re: barn roof

In the 70's I was Chief Engineer for WBRI, a three tower 5 KW AM station on 1500. When the station was first commissioned the antenna field was surrounded by cornfields. Around 1970 apartments were built in the surrounding cornfields. We had music coming out of toilets, sinks, refrigerators, and furnaces. A lot of grounding and strapping around discontinuities was involved. Since the station had a Bible format, urban legends abounded.
Vy 73, Walt, N9WB

----- Original Message -----
From: catboat15@...

To: ham-antennas@yahoogroups.com
Sent: Friday, August 29, 2008 20:53
Subject: [ham-antennas] Re: barn roof

One time when I working for the local power company I was called out on a complaint that a resident near a local BC station was "hearing music" everytime she went into her garage. On investigating the problem we found that old joints in her aluminum garage roof were acting as a diode and she was getting signals through the aluminum roof. (We never did figure out how the roof acted as a speaker). We cured the problem by bonding each sheet of metal to a ground strap that ran around the roof and then to a ground rod driven close to the garage. That seemed to shut up the case of the talking garage.

John Meacham
DE K6SUF

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[Non-text portions of this message have been removed]

No virus found in this incoming message.
Checked by AVG - http://www.avg.com
Version: 8.0.169 / Virus Database: 270.6.14/1644 - Release Date: 8/31/2008 16:59

No virus found in this incoming message.
Checked by AVG - http://www.avg.com
Version: 8.0.169 / Virus Database: 270.6.14/1644 - Release Date: 8/31/2008 4:59 PM

No virus found in this outgoing message.
Checked by AVG - http://www.avg.com
Version: 8.0.169 / Virus Database: 270.6.14/1645 - Release Date: 9/1/2008 7:19 AM

[Non-text portions of this message have been removed]

5691. Re: [ham-antennas] Unarco - Rohn TB-3

Yahoo group: ham-antennas (2008)
Date: 2008-09-01 23:16:22 UTC
From: N0ATH
Topic: 5691 Message: 5691

Hello Gentlemen,
I hope I have came to the right place to ask - Is there a way to disassemble the TB-3 bearing? It is a used one I got with a tower I just purchased, and it has some rough spots in it. Can I press it apart? I have a press and I have the internal set screw removed but would rather use it a little (I think) rough than break it. Thought if I could get it apart and clean it up, maybe I could turn a new face on it in the lathe. Anyone been here before?

Dave / N?ATH

5692. Re: [ham-antennas] Unarco - Rohn TB-3

Yahoo group: ham-antennas (2008)
Date: 2008-09-01 23:33:53 UTC
From: Phil Bader
Topic: 5691 Message: 5692

I googled this and found a fellow who did just that:
http://ad5jn.com/tb3_bearing.htm
Hope this helps,
Phil B
Ki4NUC
Philip Bader
Polk County School Board
Intercom & Fire Alarm Electronics Systems Tech
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakelandarc.org/
pbader@...m

----- Original Message -----
From: "N0ATH" <n0ath@...>
To: <ham-antennas@yahoogroups.com>
Sent: Monday, September 01, 2008 7:16 PM
Subject: Re: [ham-antennas] Unarco - Rohn TB-3

> Hello Gentlemen,
> I hope I have came to the right place to ask - Is
> there a way to disassemble the TB-3 bearing? It
> is a used one I got with a tower I just purchased,
> and it has some rough spots in it. Can I press it
> apart? I have a press and I have the internal set
> screw removed but would rather use it a little (I
> think) rough than break it. Thought if I could get
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> Dave / NØATH
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>
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> ------------------------------------
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> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
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> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
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7:19 AM

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[Non-text portions of this message have been removed]

5693. Re: [ham-antennas] Unarco - Rohn TB-3

Yahoo group: ham-antennas (2008)
Date: 2008-09-01 23:53:10 UTC
From: N0ATH
Topic: 5691 Message: 5693

Thanks Phil - from this I found how to get it apart
This one may just have to many years on it - 73
Dave / N?ATH

----- Original Message -----
From: "Phil Bader" <PBADER@...>
To: <ham-antennas@yahoogroups.com>
Sent: Monday, September 01, 2008 6:33 PM
Subject: Re: [ham-antennas] Unarco - Rohn TB-3

I googled this and found a fellow who did just that:
http://ad5jn.com/tb3_bearing.htm
Hope this helps,
Phil B
Ki4NUC

5694. Re: [ham-antennas] Re: My list of Yahoo Groups :)

Yahoo group: ham-antennas (2008)
Date: 2008-09-02 00:35:33 UTC
From: Prasad Agrahar
Topic: 5674 Message: 5694

Jerry

The only thing you can do is to use delete button. Rest of the task is left to the group owner/moderator who has to disable Grouply's access to the list archives. Once he does that Grouply people promise to stop their spam.

I have done it on a few groups among 25 that I moderate or own. Many more still to be done.

Regards
AB3EH Prasad

----- Original Message ----
From: jerry <wi7f@...>
To: ham-antennas@yahoogroups.com
Sent: Monday, September 1, 2008 4:41:55 PM
Subject: Re: [ham-antennas] Re: My list of Yahoo Groups :)

can someone tell me how to remove the groupy thing
i do not have much computer expertise so i need help
thanks
jerry

----- Original Message ----
From: hermit <hermit@...>
To: ham-antennas@yahoogroups.com
Sent: Monday, September 1, 2008 2:17:27 AM
Subject: Re: [ham-antennas] Re: My list of Yahoo Groups :)

On Sun, 31 Aug 2008 17:45:39 -0700 (PDT), you wrote:

>The moderator/owner has to act here by going to http://blog. grouply.com/ owners/ and use the instructions there to disable all access to Grouply to the group. I am moderator of several groups and I am in the process of doing it one by one.
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>Sent: Sunday, August 31, 2008 1:34:29 PM
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>> [Non-text portions of this message have been removed]
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members (as of 11/07/07, and attachments are NOT permitted.
>Post message: ham-antennas@ yahoogroups. com
>Subscribe: ham-antennas- subscribe@ yahoogroups. com
>Unsubscribe: ham-antennas- unsubscribe@ yahoogroups. com

>List owner: ham-antennas- owner@yahoogroup s.com
>Yahoo! Groups Links
>
>
>
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>
>
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HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 974 members (as of 11/07/07, and attachments are NOT permitted.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

[Non-text portions of this message have been removed]

5695. Re: [ham-antennas] Re: barn roof

Yahoo group: ham-antennas (2008)
Date: 2008-09-02 01:48:49 UTC
From: Andy
Topic: 5663 Message: 5695

> WJCM in Sebring on 1050 kHz runs 1 kW Day/.011KW (011W)

I vaguely recall when very low power AM nighttime operation started. These weren't pirate stations. It was for commercial stations that had to sign off at sundown; it gave them a way to stay on at least a few more hours. Presumably the QRP was necessary to protect co-channel stations that didn't go dark at night. Plate modulated transmitters aren't easily cranked down to such low power levels, so they ran their transmitters at full power, and inserted a pad ... essentially a 1KW or 5KW dummy load with a tap most of the way down ... between the transmitter and antenna system.

At the AM station where I worked, something in the shack containing the antenna tuner (matching circuit) at the base of one of the towers would "sing" with the audio we were broadcasting. We had to visit each tower to read a meter at its base, twice daily.

They were located in a swampy area. A few years later someone built apartment and office buildings around it. I heard stories about the construction workers getting RF burns, handling their steel beams (station was 50KW daytime). Shortly after, they moved the transmitter to another town.

That station even had some old (no longer used) open wire parallel feedline on glass insulators, running from the transmitter building part-way out to the towers. Remnants of pre-WWII days.

Andy

5696. Re: [ham-antennas] Re: My list of Yahoo Groups :)

Yahoo group: ham-antennas (2008)
Date: 2008-09-02 06:04:46 UTC
From: jerry
Topic: 5674 Message: 5696

thank you

----- Original Message ----
From: Prasad Agrahar <ad_prasad@yahoo.com>
To: ham-antennas@yahoogroups.com
Sent: Monday, September 1, 2008 5:35:33 PM
Subject: Re: [ham-antennas] Re: My list of Yahoo Groups :)

Jerry

The only thing you can do is to use delete button. Rest of the task is left to the group owner/moderator who has to disable Grouply's access to the list archives. Once he does that Grouply people promise to stop their spam.

I have done it on a few groups among 25 that I moderate or own. Many more still to be done.

Regards
AB3EH Prasad

----- Original Message ----
From: jerry <wi7f@...>
To: ham-antennas@ yahoogroups. com
Sent: Monday, September 1, 2008 4:41:55 PM
Subject: Re: [ham-antennas] Re: My list of Yahoo Groups :)

can someone tell me how to remove the groupy thing
i do not have much computer expertise so i need help
thanks
jerry

----- Original Message ----
From: hermit <hermit@coaxpa. com>
To: ham-antennas@ yahoogroups. com
Sent: Monday, September 1, 2008 2:17:27 AM
Subject: Re: [ham-antennas] Re: My list of Yahoo Groups :)

On Sun, 31 Aug 2008 17:45:39 -0700 (PDT), you wrote:

>The moderator/owner has to act here by going to http://blog. grouply.com/ owners/ and use the instructions there to disable all access to Grouply to the group. I am moderator of several groups and I am in the process of doing it one by one.
>
>Prasad AB3EH
>
>
>
>----- Original Message ----

>From: Bill <billvet6@yahoo. com>
>To: ham-antennas@ yahoogroups. com
>Sent: Sunday, August 31, 2008 1:34:29 PM
>Subject: [ham-antennas] Re: My list of Yahoo Groups :)
>
>This groupy thing is sending messages to everyone in my groups also.
>I don't think one from me has hit this group as I have gone into the
>groupy thing and removed all my info. My suggestion, don't sign up for
>groupy or you will be sending this stuff to all your groups to.
>73
>ab9qu
>
>
>
>
>--- In ham-antennas@ yahoogroups. com, jerry schnor <wi7f@...> wrote:
>>
>> Hi,
>>
>> You can see a list of my groups on Grouply at the link below. Maybe
>you'll find
>> some you want to join.
>>
>> jerry
>>
>> Here's the link:
>> http://www.grouply. com/register. php?tmg=500231& vt=5459116
>>
>>
>>
>>
>>
>> ============ ========
>> This message was posted by a fellow group member who uses Grouply
>instead of
>> email to access this group. Grouply blocks additional invitations
>from being
>> sent to this group by anyone for 30 days. Group owners can
>permanently block
>> future invitations. For more on how Grouply maintains privacy and
>protects you,
>> see http://blog. grouply.com/ protect/ .
>>
>>
>>
>>
>> [Non-text portions of this message have been removed]
>>
>
>

>
>----------- --------- --------- -------
>
>HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 974 members (as of 11/07/07, and attachments are NOT permitted.
>Post message: ham-antennas@ yahoogroups. com
>Subscribe: ham-antennas- subscribe@ yahoogroups. com
>Unsubscribe: ham-antennas- unsubscribe@ yahoogroups. com
>List owner: ham-antennas- owner@yahoogroup s.com
>Yahoo! Groups Links
>
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>
>[Non-text portions of this message have been removed]

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HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 974 members (as of 11/07/07, and attachments are NOT permitted.
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List owner: ham-antennas- owner@yahoogroup s.com
Yahoo! Groups Links

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

5697. Re: [ham-antennas] Re: barn roof

Yahoo group: ham-antennas (2008)
Date: 2008-09-02 16:40:32 UTC
From: Phil Bader
Topic: 5663 Message: 5697

Wow...Construction workers getting RF burns...I wonder how many later in years came down with leukemias or other things related to damaged tissue from working in the Rf field ?

Philip Bader
Polk County School Board
Intercom & Fire Alarm Electronics Systems Tech
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakelandarc.org/
pbader@...

----- Original Message -----
From: Andy
To: ham-antennas@yahoogroups.com
Sent: Monday, September 01, 2008 9:48 PM
Subject: Re: [ham-antennas] Re: barn roof

> WJCM in Sebring on 1050 kHz runs 1 kW Day/.011KW (011W)

I vaguely recall when very low power AM nighttime operation started. These weren't pirate stations. It was for commercial stations that had to sign off at sundown; it gave them a way to stay on at least a few more hours. Presumably the QRP was necessary to protect co-channel stations that didn't go dark at night. Plate modulated transmitters aren't easily cranked down to such low power levels, so they ran their transmitters at full power, and inserted a pad ... essentially a 1KW or 5KW dummy load with a tap most of the way down ... between the transmitter and antenna system.

At the AM station where I worked, something in the shack containing the antenna tuner (matching circuit) at the base of one of the towers would "sing" with the audio we were broadcasting. We had to visit each tower to read a meter at its base, twice daily.

They were located in a swampy area. A few years later someone built apartment and office buildings around it. I heard stories about the construction workers getting RF burns, handling their steel beams (station was 50KW daytime). Shortly after, they moved the transmitter to another town.

That station even had some old (no longer used) open wire parallel feedline on glass insulators, running from the transmitter building part-way out to the towers. Remnants of pre-WWII days.

Andy

No virus found in this incoming message.
Checked by AVG - http://www.avg.com
Version: 8.0.169 / Virus Database: 270.6.14/1647 - Release Date: 9/2/2008 6:02 AM

No virus found in this outgoing message.
Checked by AVG - http://www.avg.com
Version: 8.0.169 / Virus Database: 270.6.14/1647 - Release Date: 9/2/2008 6:02 AM

[Non-text portions of this message have been removed]

5698. Re: [SPAM]Re: [ham-antennas] Re: barn roof

Yahoo group: ham-antennas (2008)
Date: 2008-09-02 16:40:40 UTC
From: Bill Coulson
Topic: 5663 Message: 5698

When changing out the red warning lights on a tower they do not turn off the transmitter either.

----- Original Message -----
From: Phil Bader
To: ham-antennas@yahoogroups.com
Sent: Tuesday, September 02, 2008 9:40 AM
Subject: [SPAM]Re: [ham-antennas] Re: barn roof

Wow...Construction workers getting RF burns...I wonder how many later in years came down with leukemias or other things related to damaged tissue from working in the Rf field ?
Philip Bader
Polk County School Board
Intercom & Fire Alarm Electronics Systems Tech
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakelandarc.org/
pbader@...

----- Original Message -----
From: Andy
To: ham-antennas@yahoogroups.com
Sent: Monday, September 01, 2008 9:48 PM
Subject: Re: [ham-antennas] Re: barn roof

> WJCM in Sebring on 1050 kHz runs 1 kW Day/.011KW (011W)

I vaguely recall when very low power AM nighttime operation started. These weren't pirate stations. It was for commercial stations that had to sign off at sundown; it gave them a way to stay on at least a few more hours. Presumably the QRP was necessary to protect co-channel stations that didn't go dark at night. Plate modulated transmitters aren't easily cranked down to such low power levels, so they ran their transmitters at full power, and inserted a pad ... essentially a 1KW or 5KW dummy load with a tap most of the way down ... between the transmitter and antenna system.

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They were located in a swampy area. A few years later someone built apartment and office buildings around it. I heard stories about the construction workers getting RF burns, handling their steel beams (station was 50KW daytime). Shortly after, they moved the transmitter to another town.

That station even had some old (no longer used) open wire parallel feedline on glass insulators, running from the transmitter building part-way out to the towers. Remnants of pre-WWII days.

Andy

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[Non-text portions of this message have been removed]

5699. Re: [SPAM]Re: [ham-antennas] Re: barn roof

Yahoo group: ham-antennas (2008)
Date: 2008-09-02 16:58:09 UTC
From: Phil Bader
Topic: 5663 Message: 5699

Ceramic dental fillings a must! I owned/operated a TV/radio repair shop for about 30 years staring in the late 1970's.
Lots of tube type TVs. They had tube high voltage circuitry that would radiate and light a neon voltage tester in my hand. Later years I read some article that a correlation was found between older Hams and TV repairmen from that era with cancers,eye problems,etc. I never really worried about it, since it was low freq RF,probably similar to the much used medical "diathermy" of the day. That was low freq RF directed in muscle tussues to induce a warming effect to treat sprains,stiffness, etc. Very common with osteopaths, chiropractors,etc. I'm 52 now and seem OK. Of course as solid state TVs came out the radiation was much reduced due to design of the lower voltage circuitry. Just reminicing...
Phil B
Philip Bader
Polk County School Board
Intercom & Fire Alarm Electronics Systems Tech
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakelandarc.org/
pbader@...

----- Original Message -----
From: Bill Coulson
To: ham-antennas@yahoogroups.com
Sent: Tuesday, September 02, 2008 12:40 PM
Subject: Re: [SPAM]Re: [ham-antennas] Re: barn roof

When changing out the red warning lights on a tower they do not turn off the transmitter either.

----- Original Message -----
From: Phil Bader
To: ham-antennas@yahoogroups.com
Sent: Tuesday, September 02, 2008 9:40 AM
Subject: [SPAM]Re: [ham-antennas] Re: barn roof

Wow...Construction workers getting RF burns...I wonder how many later in years came down with leukemias or other things related to damaged tissue from working in the Rf field ?
Philip Bader
Polk County School Board
Intercom & Fire Alarm Electronics Systems Tech
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakelandarc.org/
pbader@...

----- Original Message -----
From: Andy
To: ham-antennas@yahoogroups.com
Sent: Monday, September 01, 2008 9:48 PM
Subject: Re: [ham-antennas] Re: barn roof

> WJCM in Sebring on 1050 kHz runs 1 kW Day/.011KW (011W)

I vaguely recall when very low power AM nighttime operation started. These weren't pirate stations. It was for commercial stations that had to sign off at sundown; it gave them a way to stay on at least a few more hours. Presumably the QRP was necessary to protect co-channel stations that didn't go dark at night. Plate modulated transmitters aren't easily cranked down to such low power levels, so they ran their transmitters at full power, and inserted a pad ... essentially a 1KW or 5KW dummy load with a tap most of the way down ... between the transmitter and antenna system.

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Version: 8.0.169 / Virus Database: 270.6.14/1647 - Release Date: 9/2/2008 6:02 AM

[Non-text portions of this message have been removed]

5700. Re: [SPAM]Re: [ham-antennas] Re: barn roof

Yahoo group: ham-antennas (2008)
Date: 2008-09-02 17:05:16 UTC
From: Andy
Topic: 5663 Message: 5700

> When changing out the red warning lights on a tower they do not turn off
> the transmitter either.

Also when painting the towers.

Tower painters mostly have to be careful getting on and off the tower. They don't want to be the path between tower and ground.

I think the problem with the construction workers is they'd be touching two pieces of metal which were some distance apart and so had a significant RF voltage between them.

OTOH, you don't want to be climbing a tower and right next to FM or TV antennas, where the fields are much more concentrated. I bet they do turn them off (or switch to an auxiliary site) when changing lights on top of those towers. We always did.

> Wow...Construction workers getting RF burns...I wonder how many later in
> years came down with leukemias or other things related to damaged tissue
> from working in the Rf field ?

Hasn't happened to me ... yet ...

Many of us transmitter operators spent our working days much closer than a wavelength from the antennas.

Andy

5701. Re: barn roof

Yahoo group: ham-antennas (2008)
Date: 2008-09-02 17:17:48 UTC
From: Phil Bader
Topic: 5663 Message: 5701

Well, many microwave ovens are around 1500 watts nd cook a chicken just fine. I realise the difference in frequencies here, but flesh is flesh,and didn't many TV transmitters operate in millions of watts?
What was that radio station in Cincinnatti area (not WKRP!) back in the 40's that was so powerful? Oh, it was WLW! 500KW. I found a link to this station's history with great photos:
http://www.oldradio.com/archives/stations/cinc/wlwpix.htm
My late shop partner said he could drive by the xmtr fiels and place a tin can to hie ear and heat the program!
phil B
Philip Bader
Polk County School Board
Intercom & Fire Alarm Electronics Systems Tech
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakelandarc.org/
pbader@...

----- Original Message -----
From: Andy
To: ham-antennas@yahoogroups.com
Sent: Tuesday, September 02, 2008 1:05 PM
Subject: Re: [SPAM]Re: [ham-antennas] Re: barn roof

> When changing out the red warning lights on a tower they do not turn off
> the transmitter either.

Also when painting the towers.

Tower painters mostly have to be careful getting on and off the tower. They don't want to be the path between tower and ground.

I think the problem with the construction workers is they'd be touching two pieces of metal which were some distance apart and so had a significant RF voltage between them.

OTOH, you don't want to be climbing a tower and right next to FM or TV antennas, where the fields are much more concentrated. I bet they do turn them off (or switch to an auxiliary site) when changing lights on top of those towers. We always did.

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Hasn't happened to me ... yet ...

Many of us transmitter operators spent our working days much closer than a wavelength from the antennas.

Andy

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Version: 8.0.169 / Virus Database: 270.6.14/1647 - Release Date: 9/2/2008 6:02 AM

[Non-text portions of this message have been removed]

5702. Re: [SPAM]Re: [ham-antennas] Re: barn roof

Yahoo group: ham-antennas (2008)
Date: 2008-09-02 17:41:07 UTC
From: Dean
Topic: 5663 Message: 5702

While I had Tower climbers working on my cellular towers
if they would be close to the large 15.5 Db antennas I would
drop the site. The guys on the tower would start to get sick
if I did not turn off the transmitters ..
100 watts don't sound like much but when it is into a large
antenna it is a little different.

73 Dean W5GXL@...

On Sep 2, 2008, at 12:05 PM, Andy wrote:

> > When changing out the red warning lights on a tower they do not
> turn off
> > the transmitter either.
>
> Also when painting the towers.
>
> Tower painters mostly have to be careful getting on and off the
> tower. They
> don't want to be the path between tower and ground.
>
> I think the problem with the construction workers is they'd be
> touching two
> pieces of metal which were some distance apart and so had a
> significant RF
> voltage between them.
>
> OTOH, you don't want to be climbing a tower and right next to FM or TV
> antennas, where the fields are much more concentrated. I bet they do
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> them off (or switch to an auxiliary site) when changing lights on
> top of
> those towers. We always did.
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> > Wow...Construction workers getting RF burns...I wonder how many
> later in
> > years came down with leukemias or other things related to damaged
> tissue
> > from working in the Rf field ?
>
> Hasn't happened to me ... yet ...
>
> Many of us transmitter operators spent our working days much closer
> than a
> wavelength from the antennas.
>

> Andy
>
>
>

[Non-text portions of this message have been removed]

5703. Re: [ham-antennas]

Yahoo group: ham-antennas (2008)
Date: 2008-09-02 17:41:45 UTC
From: Phil Bader
Topic: 5703 Message: 5703

Did you have the transmission line such that you could switch the two in-and-out of phase so as to have the transmission lobes run either N/S or E/W depending on the phase?
Phil B
Philip Bader
Polk County School Board
Intercom & Fire Alarm Electronics Systems Tech
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakelandarc.org/
pbader@...

----- Original Message -----
From: Bill
To: ham-antennas@yahoogroups.com
Sent: Friday, August 29, 2008 12:27 PM
Subject: Re: [ham-antennas]

My "actual" experience is different than that. I never bothered bonding the sheets in the roof of a metal building approximately 40 x 60 in dimension. at the top of the roof I placed two multiband verticals 1/4 wave apart on 40 meters. I then fed them in accordance with the recommendations of Hy-gain in order to make them switchable as phased verticals on 40 meters. The bases were mounted near the apex of the roof with the base of the verticals at about 8 inches from the metal roof.

Although it is hard to get the installation perfect without true phase detection, they did work as designed increasing the apparent directional gain characteristic when phased as end-fire antennas with a cardioid pattern and when phased as broadside with bow tie pattern. No effort was made to establish the ground plane other than as described except for a grounding set up near the exciter.

73
Bill
W7VP
----- Original Message -----
From: W5CPT
To: ham-antennas@yahoogroups.com
Sent: Friday, August 29, 2008 6:37 AM
Subject: Re: [ham-antennas]

W8OKN said:

"I would place a vertical on top of it and enjoy the premium results of having a near perfectly efficient antenna."

That works in principle but not in practice.

Unless the panels of the roof are well bonded together all you will end up with is random pieces of metal under the antenna not reactive at any frequency of interest. Remember the ground plane must be roughly a 1/4 wave dimension to be the effective other half of the vertical antenna. Bonding the panels together may be feasible depending on the construction and the condition of the roof. It may be easier to lay wire radials on the roof to form the effective ground plane.

Clint - W5CPT

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

Internal Virus Database is out of date.
Checked by AVG - http://www.avg.com
Version: 8.0.138 / Virus Database: 270.6.9/1634 - Release Date: 8/25/2008 8:48 PM

No virus found in this outgoing message.
Checked by AVG - http://www.avg.com
Version: 8.0.169 / Virus Database: 270.6.14/1647 - Release Date: 9/2/2008 6:02 AM

[Non-text portions of this message have been removed]

5704. Re: [SPAM]Re: [ham-antennas] Re: barn roof

Yahoo group: ham-antennas (2008)
Date: 2008-09-02 17:46:45 UTC
From: Steve Friis
Topic: 5663 Message: 5704

> Many of us transmitter operators spent our working days much closer than a
> wavelength from the antennas.
>
> Andy
>
>
>
Here's the difference. At AM frequencies, say 1000KHz, our bodies are .006% of 1 wavelength. One wavelength being 984 feet approximately. At the lowest TV band, TV-channel 2 of 56 MHz, our bodies are close to a 1/4 wavelength. It gets worse. If the TV transmitter is operating on one of the UHF bands, then our bodies are several wavelengths long, and absorb higher amounts of the RF field.

I saw a demmonstration on utube once where the collage kids popped popcorn with their cell phones. If a cell phone with maybe 200 MW of power can do that kind of damage, what do you think a transmitter with an ERP of 100,000 watts can do?

I wonder if some of my health problems are because I spent many years in the transmitter shack when I was younger.
--
Steve Friis
VS Engineering
Amateur Radio Call:WM5Z

5705. Re: [SPAM]Re: [ham-antennas] Re: barn roof

Yahoo group: ham-antennas (2008)
Date: 2008-09-02 17:47:24 UTC
From: Phil Bader
Topic: 5663 Message: 5705

Yes, and cellular is at near microwave frequencies, no?
Back to the microwave oven/ chicken analogy!
UHF and up affects smaller things within the human body like eyes,and I suppose smaller organs, bones (inner ear bones affecting balance? hence nausea?). Just a thought. By "sick", did your workers feel nausea due to vertigo?
;-)
Phil B
Philip Bader
Polk County School Board
Intercom & Fire Alarm Electronics Systems Tech
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakelandarc.org/
pbader@...

----- Original Message -----
From: Dean
To: ham-antennas@yahoogroups.com
Sent: Tuesday, September 02, 2008 1:41 PM
Subject: Re: [SPAM]Re: [ham-antennas] Re: barn roof

While I had Tower climbers working on my cellular towers
if they would be close to the large 15.5 Db antennas I would
drop the site. The guys on the tower would start to get sick
if I did not turn off the transmitters ..
100 watts don't sound like much but when it is into a large
antenna it is a little different.

73 Dean W5GXL@...

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> Andy
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>
>

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Version: 8.0.169 / Virus Database: 270.6.14/1647 - Release Date: 9/2/2008 6:02 AM

[Non-text portions of this message have been removed]

5706. hi

Yahoo group: ham-antennas (2008)
Date: 2008-09-02 17:55:03 UTC
From: DAVID
Topic: 5706 Message: 5706

hi i have just joined the group and i am from sorn ayrshire in scotland my main hobby here is vhf tv dx and medium wave dx. you can see what i am up to here in scotland here http://www.youtube.com/profile_videos?user=tvdxrools
i hope i am not being too forward but can some of you guys do me a favour. i have been trying out MMANA-GAL
antenna software but its way above my head. i can make antennas but software and myself dont go together :-) . if any of you have used this or a similar one could you put the dimensions etc of my loop in it (i will put diagrams in the photo section) and see what its showing this would be a really big help to me ... many thanks david

5707. Re: [SPAM]Re: [ham-antennas] Re: barn roof

Yahoo group: ham-antennas (2008)
Date: 2008-09-02 17:58:49 UTC
From: Dean
Topic: 5663 Message: 5707

Think it was TOO much Beer the night before... hi hi

73 Dean W5GXL@...

On Sep 2, 2008, at 12:47 PM, Phil Bader wrote:

> Yes, and cellular is at near microwave frequencies, no?
> Back to the microwave oven/ chicken analogy!
> UHF and up affects smaller things within the human body like
> eyes,and I suppose smaller organs, bones (inner ear bones affecting
> balance? hence nausea?). Just a thought. By "sick", did your workers
> feel nausea due to vertigo?
> ;-)
> Phil B
> Philip Bader
> Polk County School Board
> Intercom & Fire Alarm Electronics Systems Tech
> Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006
> Amateur call: KI4NUC, Winter Haven, Fl.
> Member: Lakeland Amateur Radio Club
> http://www.lakelandarc.org/
> pbader@...
>
> ----- Original Message -----
> From: Dean
> To: ham-antennas@yahoogroups.com
> Sent: Tuesday, September 02, 2008 1:41 PM
> Subject: Re: [SPAM]Re: [ham-antennas] Re: barn roof
>
> While I had Tower climbers working on my cellular towers
> if they would be close to the large 15.5 Db antennas I would
> drop the site. The guys on the tower would start to get sick
> if I did not turn off the transmitters ..
> 100 watts don't sound like much but when it is into a large
> antenna it is a little different.
>
> 73 Dean W5GXL@...
>
> On Sep 2, 2008, at 12:05 PM, Andy wrote:
>
> > > When changing out the red warning lights on a tower they do not
> > turn off
> > > the transmitter either.
> >
> > Also when painting the towers.
> >

> > Tower painters mostly have to be careful getting on and off the
> > tower. They
> > don't want to be the path between tower and ground.
> >
> > I think the problem with the construction workers is they'd be
> > touching two
> > pieces of metal which were some distance apart and so had a
> > significant RF
> > voltage between them.
> >
> > OTOH, you don't want to be climbing a tower and right next to FM
> or TV
> > antennas, where the fields are much more concentrated. I bet they do
> > turn
> > them off (or switch to an auxiliary site) when changing lights on
> > top of
> > those towers. We always did.
> >
> > > Wow...Construction workers getting RF burns...I wonder how many
> > later in
> > > years came down with leukemias or other things related to damaged
> > tissue
> > > from working in the Rf field ?
> >
> > Hasn't happened to me ... yet ...
> >
> > Many of us transmitter operators spent our working days much closer
> > than a
> > wavelength from the antennas.
> >
> > Andy
> >
> >
> >
>
> [Non-text portions of this message have been removed]
>
> ---
>
> No virus found in this incoming message.
> Checked by AVG - http://www.avg.com
> Version: 8.0.169 / Virus Database: 270.6.14/1647 - Release Date:
> 9/2/2008 6:02 AM
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> No virus found in this outgoing message.
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> Version: 8.0.169 / Virus Database: 270.6.14/1647 - Release Date:
> 9/2/2008 6:02 AM
>
> [Non-text portions of this message have been removed]
>
>
>

[Non-text portions of this message have been removed]

5708. Hello and J pole question

Yahoo group: ham-antennas (2008)
Date: 2008-09-02 19:13:09 UTC
From: Randy McKenzie
Topic: 5708 Message: 5708

Hello all,

Im KK4EJ, enjoying some mobile operations lately on a Yaesu 857 and home brew antennas. Lately been working on some designs to use at home and keep the XYL from exploding when she sees some long wire!

I work in the Communications Div of the Va State Police as a field tech, been there over 14 years. Im also a avid railfan and model railroader.

My question is about a J pole. Most I see have a half wave length, or close to it. Im curious is anyone has experiemented or seen any advantage of using a different length to get more gain?

Any input on what happens if you use a 5/8 wave length or even a 3/4?

My desire is to find something for 6 meter repeater that is rugged and easy to build. A little gain would really perk up my RX!

Randy
KK4EJ
Hillsville VA

5709. Re: [ham-antennas] hi

Yahoo group: ham-antennas (2008)
Date: 2008-09-02 19:14:00 UTC
From: Phil Bader
Topic: 5706 Message: 5709

David, I am sorry I can not help you, but I wanted to personally welcome you to this list.
I am new as well and find these fellows (and maybe a few gals?) a very warm bunch.
Cheers!
Phil
Philip Bader
Polk County School Board
Intercom & Fire Alarm Electronics Systems Tech
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakelandarc.org/
pbader@...

----- Original Message -----
From: DAVID
To: ham-antennas@yahoogroups.com
Sent: Tuesday, September 02, 2008 1:55 PM
Subject: [ham-antennas] hi

hi i have just joined the group and i am from sorn ayrshire in
scotland my main hobby here is vhf tv dx and medium wave dx. you can
see what i am up to here in scotland here
http://www.youtube.com/profile_videos?user=tvdxrools
i hope i am not being too forward but can some of you guys do me a
favour. i have been trying out MMANA-GAL
antenna software but its way above my head. i can make antennas but
software and myself dont go together :-) . if any of you have used
this or a similar one could you put the dimensions etc of my loop in
it (i will put diagrams in the photo section) and see what its
showing this would be a really big help to me ... many thanks david

---

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Version: 8.0.169 / Virus Database: 270.6.14/1647 - Release Date: 9/2/2008 6:02 AM

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Version: 8.0.169 / Virus Database: 270.6.14/1647 - Release Date: 9/2/2008 6:02 AM

[Non-text portions of this message have been removed]

5710. Re: First Post with Questions about 20m 1/2 Wave Vertical.

Yahoo group: ham-antennas (2008)
Date: 2008-09-02 20:13:18 UTC
From: Jack Chomley
Topic: 5669 Message: 5710

--- In ham-antennas@yahoogroups.com, "Bryan" <bswadener@...> wrote:

>
> Hi Jack,
>
> You're talking about the Cushcraft Ringo antennas (the AR10 and AR11
> models). The 'Gamma Ring' was effectovely tapped inductor that put the
> antenna element at DC ground. They used a stub of coax to resonate the
> inductor, and the tap selected the correct transformation ratio. I
> can't help with the dimensions.
>
> However, I built a 20m lambda/2 vertical (see
> http://www.geocities.com/bswadener/antennas/). Mine uses a homebrew
> tapped coil which wasn't difficult to make from 0.25" (6mm) OD soft
> copper tubing. I resonate it with an air variable capacitor with some
> padding across it (a stub of coax could be used instead). I used the
> program on http://www.smeter.net/antennas/vertune.php to calculate the
> optimal values. If you look closely at the photos on my page, you'll
> see that not only is the tap point adjustable, the coil length can be
> varied. In fact, everything is variable! hi An upside-down plastic
> planter pot protects the network from the weather. It works FB.
>
> vy 73 es gud dx,
> Bryan WA7PRC
> >
>

Thanks Bryan for the info and links, I just need to figure out that formula program and see what happens. As for the construction, I have already got the verical sections of aluminium etc and just need to make the feed for the antenna. I did also find a reference in a book I have here " The Radio Amateur Antenna Handbook" by William Orr W6SAI & Stuart Cowan W2LX, this book details a single turn Gamma Ring feed, which is what I was originally looking for. Anyway, your iteration of this design looks good too, so I might try it and see how I go.

73s Jack VK4JRC

5711. 20M cage

Yahoo group: ham-antennas (2008)
Date: 2008-09-02 20:49:33 UTC
From: Rich Schmuke
Topic: 5711 Message: 5711

I made a 20m vert , 8 wires forming a 4 ¾☐ dia cage, eight radials . The feed center is 20ft off the ground for operation , now about 6 ft for test setup. The 8 vertical elements are 16☐ 6☐ , I put it up and it has a good SWR around 11 Mhz , I started to trim a little to see what happens , now about 16☐ short and getting into the high end of the 20M band. I am looking for a wideband vertical to work to bottom of SSB and PSK31. Has anyone else has strange things with a cage????

KD0ZZ , Rich

I am not getting older but having a propagation problem with the neurons in the grey matter.

Any errors in spelling or facts are tramsmission errors

[Non-text portions of this message have been removed]

5712. 20 m Cage Update

Yahoo group: ham-antennas (2008)
Date: 2008-09-02 23:43:52 UTC
From: Rich Schmuke
Topic: 5712 Message: 5712

Ok , I now have good SWR , between 14.05 and 14.33, it is 1.2 , above or below these frequencies it will rise slowly. The 8 radials are cut each one a little different but correct length for the working frequencies range. The main vertical element is 8 wires forming a cage 4.5" in Dia but only 13' 4" tall. Any one got any ideas on why???

I need to reset the spacers for the wires and would like to just do it one more time before I epoxy the spacers.

Rich , Kd0zz

As an act of plagiarism . Disclaimer: Any errors in spelling or facts are transmission errors.

[Non-text portions of this message have been removed]

5713. Re: [ham-antennas] 20 m Cage Update

Yahoo group: ham-antennas (2008)
Date: 2008-09-03 00:23:13 UTC
From: W5CPT
Topic: 5712 Message: 5713

I missed the first part of this thread so I would like some particulars. Is the feedpoint and/or radials elevated?

A " thick" radiator will be shorter than the formula will dictate. My 30M vertical was almost a foot shorter than calculated when I used an Aluminum Extrusion as the radiator. It was (and will be again) ground mounted over an extensive radial system made of 1 mile of aluminum electric fence wire.

Clint - W5CPT

----- Original Message -----
From: Rich Schmuke
To: ham-antennas@yahoogroups
Sent: Tuesday, September 02, 2008 6:43 PM
Subject: [ham-antennas] 20 m Cage Update

Ok , I now have good SWR , between 14.05 and 14.33, it is 1.2 , above or below these frequencies it will rise slowly. The 8 radials are cut each one a little different but correct length for the working frequencies range. The main vertical element is 8 wires forming a cage 4.5" in Dia but only 13' 4" tall. Any one got any ideas on why???

I need to reset the spacers for the wires and would like to just do it one more time before I epoxy the spacers.

Rich , Kd0zz

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[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

5714. Hy-Gain 18AVT Vertical - Radials vs. No Radials

Yahoo group: ham-antennas (2008)
Date: 2008-09-03 00:42:12 UTC
From: Mark Saunders, KJ7BS
Topic: 5714 Message: 5714

Is anyone using the Hy-Gain 18AVT (NOT the 18AVQ or 18AVQII) vertical ground mounted WITHOUT radials?

I don't need lectures about using a vertical, ground mounted or otherwise, without radials as I've heard it all and read it before.

I am interested in ACTUAL results from those who have this antenna without radials, or that added them later. I am writing an article about this antenna and want some real-world insight to operating this antenna without radials. I already have lots of testimonials about using it with radials.

I welcome responses from those who tried without radials and later added radials as well.

Mark, KJ7BS
Glendale, AZ
Editor, The SKCC Centurion
Elecraft K2 S/N 0539
Fists # 2972 CC 1806
SKCC # 2240 C56 T20

MQFD # 128
QRP-ARCI # 12647
AZ ScQRPions

COGRC Emergency Communications

[Non-text portions of this message have been removed]

5715. Re: [ham-antennas] Hy-Gain 18AVT Vertical - Radials vs. No Radials

Yahoo group: ham-antennas (2008)
Date: 2008-09-03 01:26:07 UTC
From: w8okn@charter.net
Topic: 5714 Message: 5715

I do not mean to sound abrasive, so please do not mis-interpret my tone.

Why would you write a scientific article based on opinion over using proven science? People who use this antenna without radials may make contacts, but the science proves that radials are needed and improve efficiency.

If you want your article to have credibility, wouldn't you use science?

W8OKN

----- Original Message -----
From: Mark Saunders, KJ7BS
To: ham-antennas@yahoogroups.com ; hamradioantennagroup@yahoogroups.com.au
Sent: Tuesday, September 02, 2008 8:42 PM
Subject: [ham-antennas] Hy-Gain 18AVT Vertical - Radials vs. No Radials

Is anyone using the Hy-Gain 18AVT (NOT the 18AVQ or 18AVQII) vertical ground mounted WITHOUT radials?

I don't need lectures about using a vertical, ground mounted or otherwise, without radials as I've heard it all and read it before.

I am interested in ACTUAL results from those who have this antenna without radials, or that added them later. I am writing an article about this antenna and want some real-world insight to operating this antenna without radials. I already have lots of testimonials about using it with radials.

I welcome responses from those who tried without radials and later added radials as well.

Mark, KJ7BS
Glendale, AZ
Editor, The SKCC Centurion
Elecraft K2 S/N 0539
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MQFD # 128
QRP-ARCI # 12647
AZ ScQRPions

COGRC Emergency Communications

[Non-text portions of this message have been removed]

No virus found in this incoming message.
Checked by AVG.
Version: 7.5.524 / Virus Database: 270.6.15/1648 - Release Date: 9/2/2008

5:29 PM

5716. RE: [ham-antennas] 20 m Cage Update

Yahoo group: ham-antennas (2008)
Date: 2008-09-03 01:52:56 UTC
From: Rich Schmuke
Topic: 5712 Message: 5716

Sorry about the lack of information in the second post , the feed point is 20 ft during operation, 6' at test set up , 8 radials to be adjusted to 50 ohms at operation position. 5 turn RG-8X choke at the feed point. The vertical element is 4 1/2 " in dia and the now is about 2 ft shorter than a normal wire. Very wide banded , 14.05 to 14.33 @ 1.2:1 , it is mounted on a fiberglass pole with acrylic spacers to form the cage , polycarbonate spacers on the ends. I wanted to be able to work PSK31 and the lower part of SSB, it looks good with the analyzer but I questioned how short it is.

Rich , Kd0zz

As an act of plagiarism . Disclaimer: Any errors in spelling or facts are transmission errors.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of W5CPT
Sent: Tuesday, September 02, 2008 7:23 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] 20 m Cage Update

I missed the first part of this thread so I would like some particulars. Is the feedpoint and/or radials elevated?

A " thick" radiator will be shorter than the formula will dictate. My 30M vertical was almost a foot shorter than calculated when I used an Aluminum Extrusion as the radiator. It was (and will be again) ground mounted over an extensive radial system made of 1 mile of aluminum electric fence wire.

Clint - W5CPT

----- Original Message -----
From: Rich Schmuke
To: ham-antennas@yahoogroups
Sent: Tuesday, September 02, 2008 6:43 PM
Subject: [ham-antennas] 20 m Cage Update

Ok , I now have good SWR , between 14.05 and 14.33, it is 1.2 , above or below these frequencies it will rise slowly. The 8 radials are cut each one a little different but correct length for the working frequencies range. The main vertical element is 8 wires forming a cage 4.5" in Dia but only 13' 4" tall. Any one got any ideas on why???

I need to reset the spacers for the wires and would like to just do it one more time before I epoxy the spacers.

Rich , Kd0zz

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[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

No virus found in this incoming message.
Checked by AVG - http://www.avg.com
Version: 8.0.169 / Virus Database: 270.6.15/1648 - Release Date: 9/2/2008 5:29 PM

[Non-text portions of this message have been removed]

5717. RE: [ham-antennas] Hy-Gain 18AVT Vertical - Radials vs. No Radials

Yahoo group: ham-antennas (2008)
Date: 2008-09-03 04:09:07 UTC
From: Mark Saunders, KJ7BS
Topic: 5714 Message: 5717

Thanks for your concern.

Don't assume I'm not going to use the science behind ground mounted verticals with/without radials, I am.

The science will be in the article, but what I want now is actual experience from hams who put up these ground mounted vertical antennas which state "no ground radials required". I want to include their experiences and the perceived improvement once a few radials were added and a lot of radials added.

Another thing I will be looking for, but have not gotten there yet, is information from hams who ground mount a vertical where they cannot get a 360 degree radial field laid down. What are their actual experiences when say only a 90 degree, 180 degree, or 270 degree radial field is used?

We've all seen the academics, the antenna models, read the radial/no-radial reports, read no-radial propaganda from antenna manufacturers, but what we've not seen is a comprehensive actual experience report radials vs no-radials vs partial radial field vs short radials vs resonate radials for ground mounted verticals. That is what I am after at this point, actual experience, and perceived performance. Believe it or not, there are hams who only have a yard the size of most two-car garages in which to put an antenna for ham radio and do not have room for a dipole, tower and beam, loop, or a radial field for a ground mounted vertical..

Mark, KJ7BS
Glendale, AZ
Editor, The SKCC Centurion
Elecraft K2 S/N 0539
Fists # 2972 CC 1806
SKCC # 2240 C56 T20

MQFD # 128
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AZ ScQRPions

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From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of w8okn@...
Sent: Tuesday, September 02, 2008 6:26 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Hy-Gain 18AVT Vertical - Radials vs. No Radials

I do not mean to sound abrasive, so please do not mis-interpret my tone.

Why would you write a scientific article based on opinion over using proven science? People who use this antenna without radials may make contacts, but the science proves that radials are needed and improve efficiency.

If you want your article to have credibility, wouldn't you use science?

W8OKN

----- Original Message -----
From: Mark Saunders, KJ7BS
To: ham-antennas@ <mailto:ham-antennas%40yahoogroups.com> yahoogroups.com ; hamradioantennagrou <mailto:hamradioantennagroup%40yahoogroups.com.au> p@yahoogroups.com.au
Sent: Tuesday, September 02, 2008 8:42 PM
Subject: [ham-antennas] Hy-Gain 18AVT Vertical - Radials vs. No Radials

Is anyone using the Hy-Gain 18AVT (NOT the 18AVQ or 18AVQII) vertical ground mounted WITHOUT radials?

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I am interested in ACTUAL results from those who have this antenna without radials, or that added them later. I am writing an article about this antenna and want some real-world insight to operating this antenna without radials. I already have lots of testimonials about using it with radials.

I welcome responses from those who tried without radials and later added radials as well.

Mark, KJ7BS
Glendale, AZ
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COGRC Emergency Communications

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Version: 7.5.524 / Virus Database: 270.6.15/1648 - Release Date: 9/2/2008 5:29 PM

[Non-text portions of this message have been removed]

5718. MFJ-1798

Yahoo group: ham-antennas (2008)
Date: 2008-09-03 05:14:17 UTC
From: seth_otherpower
Topic: 5718 Message: 5718

Does any one have a working MFJ-1798 that they can take pictures off??

5719. Re: [ham-antennas] MFJ-1798

Yahoo group: ham-antennas (2008)
Date: 2008-09-03 05:37:43 UTC
From: James - KB7TBT
Topic: 5718 Message: 5719

http://www.mfjenterprises.com/man/pdf/MFJ-1798.pdf
http://home-and-garden.webshots.com/photo/1052578839036910080XqfHAK

James
KB7TBT
NEGARC Activities Manager
www.kb7tbt.com
www.ne4ga.org
www.myspace.com/kb7tbt

> Does any one have a working MFJ-1798 that they can take pictures off??
>
>

5720. Re: [ham-antennas] Re: barn roof

Yahoo group: ham-antennas (2008)
Date: 2008-09-03 06:28:30 UTC
From: Walter A. Breining
Topic: 5663 Message: 5720

RF does not cause Leukemia or any other ailments except the immediate tissue burning if one gets in contact with too high of RF wattage.

I used to go onto towers radiating anywhere from 250 watts to 50 kW with no ill effects. I used to spend hours day after day point blank in these RF fields.

That was 30 years ago. I am now 59 and I am sorry but I don't think you will be getting rid of me soon.

When the wavelength approaches the length of the human body, the heating effect may increase. RF is magnetic energy not Gamma radiation.

The yuppies can take off the tin foil suits now.

Vy 73, Walt, N9WB

----- Original Message -----
From: Phil Bader
To: ham-antennas@yahoogroups.com
Sent: Tuesday, September 02, 2008 12:40
Subject: Re: [ham-antennas] Re: barn roof

Wow...Construction workers getting RF burns...I wonder how many later in years came down with leukemias or other things related to damaged tissue from working in the Rf field ?
Philip Bader
Polk County School Board
Intercom & Fire Alarm Electronics Systems Tech
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakelandarc.org/
pbader@...

----- Original Message -----
From: Andy
To: ham-antennas@yahoogroups.com
Sent: Monday, September 01, 2008 9:48 PM
Subject: Re: [ham-antennas] Re: barn roof

> WJCM in Sebring on 1050 kHz runs 1 kW Day/.011KW (011W)

I vaguely recall when very low power AM nighttime operation started. These weren't pirate stations. It was for commercial stations that had to sign off at sundown; it gave them a way to stay on at least a few more hours. Presumably the QRP was necessary to protect co-channel stations that didn't

go dark at night. Plate modulated transmitters aren't easily cranked down to such low power levels, so they ran their transmitters at full power, and inserted a pad ... essentially a 1KW or 5KW dummy load with a tap most of the way down ... between the transmitter and antenna system.

At the AM station where I worked, something in the shack containing the antenna tuner (matching circuit) at the base of one of the towers would "sing" with the audio we were broadcasting. We had to visit each tower to read a meter at its base, twice daily.

They were located in a swampy area. A few years later someone built apartment and office buildings around it. I heard stories about the construction workers getting RF burns, handling their steel beams (station was 50KW daytime). Shortly after, they moved the transmitter to another town.

That station even had some old (no longer used) open wire parallel feedline on glass insulators, running from the transmitter building part-way out to the towers. Remnants of pre-WWII days.

Andy

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6:02 AM

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Version: 8.0.169 / Virus Database: 270.6.14/1647 - Release Date: 9/2/2008
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17:29

5721. Re: [ham-antennas] Hello and J pole question

Yahoo group: ham-antennas (2008)
Date: 2008-09-03 07:05:24 UTC
From: jerry
Topic: 5708 Message: 5721

Hi randy
do some looking on the internet and check out the ac6v website he has lots on anteennas and can point you to many other links
jerry wi7f

----- Original Message ----
From: Randy McKenzie <kk4ej@...>
To: ham-antennas@yahoogroups.com
Sent: Tuesday, September 2, 2008 12:13:09 PM
Subject: [ham-antennas] Hello and J pole question

Hello all,

Im KK4EJ, enjoying some mobile operations lately on a Yaesu 857 and home brew antennas. Lately been working on some designs to use at home and keep the XYL from exploding when she sees some long wire!

I work in the Communications Div of the Va State Police as a field tech, been there over 14 years. Im also a avid railfan and model railroader.

My question is about a J pole. Most I see have a half wave length, or close to it. Im curious is anyone has experiemented or seen any advantage of using a different length to get more gain?

Any input on what happens if you use a 5/8 wave length or even a 3/4?

My desire is to find something for 6 meter repeater that is rugged and easy to build. A little gain would really perk up my RX!

Randy
KK4EJ
Hillsville VA

[Non-text portions of this message have been removed]

5722. Re: barn roof

Yahoo group: ham-antennas (2008)
Date: 2008-09-03 12:06:59 UTC
From: Bill
Topic: 5663 Message: 5722

I don't want to keep this whole rf burn thing going. We all know that enough rf power in certain parts of the spectrum will do a very good job of cooking. But cell phones popping corn? C'mon! Wouldn't you notice some sensation during calls lasting long enough? Go to youtube and search on "Internet cell phone popcorn HOAX - secret revealed". That's the title of a video of a CNN report where the firm responsible for starting the hoax admits to coming up with it as a publicity stunt, and were quite pleased with its success. They would record the phones sitting on a table with kernals in the center, then remove one and drop in a piece of popcorn from above and edit it so that it appeared as if the thing popped. Next thing we can try is using them as phasers.

Wild Bill °¿°
KC2SUO

5723. Re: MFJ-1798

Yahoo group: ham-antennas (2008)
Date: 2008-09-03 12:35:45 UTC
From: seth_otherpower
Topic: 5718 Message: 5723

--- In ham-antennas@yahoogroups.com, "James - KB7TBT" <kb7tbt@...> wrote:
>
> http://www.mfjenterprises.com/man/pdf/MFJ-1798.pdf
> http://home-and-garden.webshots.com/photo/1052578839036910080XqfHAK
>
Nice .. haven't seen that one yet .. but i am still looking for a picture thats alot closer to the counterpoise.

I already have the PDF manual from MFJ. The mechanical drawing is different than what the PCB is.

5724. RF Ground for HF 10-80m

Yahoo group: ham-antennas (2008)
Date: 2008-09-03 13:37:21 UTC
From: Jerry Stern
Topic: 5663 Message: 5724

Hi Group,

What do folks do when they cannot get an RF ground (not DC) within 8' -11 ' or less as recommended to avoid a 1/4 wave high impedance for 10m -15m ?? This seems like an impossibility unless you literally can have a "Shack" on ground level with your rigs against a a wall facing a backyard. As I understand the two main issues are if your station ground is 1/4 wave or odd-multiple (3/4,5/4, etc) then you have an high RF impedance to ground (= ungrounded situation) and you risk (1) RF voltage/current in the shack, eg on mics, rigs, etc and (2) your ground wire will radiate and become part of your antenna system, ie RFI, etc.

In the articles I read, it seems that the above issues were always discussed in the context of a dipole or beam antenna system. I have a ground mounted 43' vertical (no traps) with an extensive radial field of sixty radials each 70' long. The vertical is fed via a 100' low-loss coax. All the gear in the shack (including PC, Cable modem, etc) go to a single common ground point. My station common DC ground point goes to earth ground via 50' ground strap (and the earth ground is bonded to the center of the radial field via another ground rod).

Now for my questions:
1) Why would any RF signal from my HF rigs remain "ungrounded" or want to radiate HF RF through a high impedance 50' ground strap when there is a much much lower impedance path to the Vertical radial field?
2) with a single common ground point in the shack why would you still need isolators between the equipment to prevent ground loops between the equipment?

Tnx
73 Jerry
K1JOS

-----Original Message-----
From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Bill
Sent: Wednesday, September 03, 2008 8:07 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: barn roof

I don't want to keep this whole rf burn thing going. We all know that enough rf power in certain parts of the spectrum will do a very good job of cooking. But cell phones popping corn? C'mon! Wouldn't you notice some sensation during calls lasting long enough? Go to youtube and search on "Internet cell phone popcorn HOAX - secret revealed". That's the title of a video of a CNN report where the firm responsible

for starting the hoax admits to coming up with it as a publicity stunt, and were quite pleased with its success. They would record the phones sitting on a table with kernals in the center, then remove one and drop in a piece of popcorn from above and edit it so that it appeared as if the thing popped. Next thing we can try is using them as phasers.

Wild Bill °¿°
KC2SUO

[Non-text portions of this message have been removed]

5725. RE: [ham-antennas] Hy-Gain 18AVT Vertical - Radials vs. No Radials

Yahoo group: ham-antennas (2008)
Date: 2008-09-03 13:44:16 UTC
From: Jerry Stern
Topic: 5714 Message: 5725

For my two cents: they use to say (tongue in cheek) that one good anecdotal story was better than 10 scientific studies hihi. Sometimes practice and theory may be far apart and so getting hands-on feedback can be appreciated. But I think you would need a very, very large database of testimonials to take into account the huge differences in soil/earth conditions alone between radial-less sites to get a real semi-quantitative sense of what can be achieved without radials.

73 Jerry
K1JOS

-----Original Message-----
From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of w8okn@...
Sent: Tuesday, September 02, 2008 9:26 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Hy-Gain 18AVT Vertical - Radials vs. No Radials

I do not mean to sound abrasive, so please do not mis-interpret my tone.

Why would you write a scientific article based on opinion over using proven science? People who use this antenna without radials may make contacts, but the science proves that radials are needed and improve efficiency.

If you want your article to have credibility, wouldn't you use science?

W8OKN

----- Original Message -----
From: Mark Saunders, KJ7BS
To: ham-antennas@ <mailto:ham-antennas%40yahoogroups.com> yahoogroups.com ; hamradioantennagrou <mailto:hamradioantennagroup%40yahoogroups.com.au> p@yahoogroups.com.au
Sent: Tuesday, September 02, 2008 8:42 PM
Subject: [ham-antennas] Hy-Gain 18AVT Vertical - Radials vs. No Radials

Is anyone using the Hy-Gain 18AVT (NOT the 18AVQ or 18AVQII) vertical ground mounted WITHOUT radials?

I don't need lectures about using a vertical, ground mounted or otherwise, without radials as I've heard it all and read it before.

I am interested in ACTUAL results from those who have this antenna without radials, or that added them later. I am writing an article about this antenna and want some real-world insight to operating this antenna without radials. I already have lots of testimonials about using it with radials.

I welcome responses from those who tried without radials and later added radials as well.

Mark, KJ7BS
Glendale, AZ
Editor, The SKCC Centurion
Elecraft K2 S/N 0539
Fists # 2972 CC 1806
SKCC # 2240 C56 T20

MQFD # 128
QRP-ARCI # 12647
AZ ScQRPions

COGRC Emergency Communications

[Non-text portions of this message have been removed]

No virus found in this incoming message.
Checked by AVG.
Version: 7.5.524 / Virus Database: 270.6.15/1648 - Release Date: 9/2/2008
5:29 PM

[Non-text portions of this message have been removed]

5726. horizontal or vertical

Yahoo group: ham-antennas (2008)
Date: 2008-09-03 15:04:10 UTC
From: DAVID
Topic: 5726 Message: 5726

just noticed on my multi turn loop i have fed it in the bottom corner and correct me if i am wrong but on a normal hf or vhf loop this would be a mix of horizonta/vertical does this work the same way on a multi turn mw loop or will i need to feed it in the middle of the horizontal section to get horizontal pol. thanks for your time david

5727. Re: [ham-antennas] RF Ground for HF 10-80m

Yahoo group: ham-antennas (2008)
Date: 2008-09-03 17:09:27 UTC
From: Andy
Topic: 5663 Message: 5727

Mind you this is only my opinion ...

IMO, you mostly only need to worry about an RF ground *at* the feedpoint of an antenna that uses ground as its "other" half, such as a vertical. And you provide that by way of either an elevated counterpoise, or a ground radial system. And you connect to it right at the antenna's feedpoint.

Think of where the currents are going. The only place the RF current should go into the "ground", is where your coax feedline connects to it at the (vertical) antenna's feedpoint. Period. There should be no RF current taking a different path out of your shack. You want all of your RF power to stay inside the coax to the antenna. If some of the current takes another path to ground, then not all of your RF power is in the coax where it should be.

If you have a beam or other antenna that doesn't use ground as one of its radiating elements, then there is no RF current path to ground, so in theory (and often in practice), you don't even need to provide an RF ground. If hot spots and RF-in-the-shack become a problem with such antennas, then perhaps it is lack of a balun where one should have been used, to keep RF currents off the outside of the coax and keep your feedline from radiating.

If you have a vertical, then you kinda want to not provide extra paths to RF ground, other than the intended one: out the coax to the radial system at the base of the vertical. Other connections to ground may be OK, but you don't want the RF output of your rig to be taking those paths. Unfortunately, sometimes it is impossible to enforce that, and then things may get interesting.

> 1) Why would any RF signal from my HF rigs remain "ungrounded" or want to
> radiate HF RF through a high impedance 50' ground strap when there is a
> much
> much lower impedance path to the Vertical radial field?

There is a mantra that some RF engineers use: there is no such thing as "ground." Therefore, everything is "ungrounded." And that no two "ground" points will have the same potential, even two points on the same chassis, though I suppose that is less true at 80m than at higher frequencies.

How do you know your 50' ground strap is "high impedance"? Perhaps you are thinking how fat the strap is. But inductive impedance is determined by many other factors, including the loop formed between that strap and whatever other path is nearby. What is the whole path, out-and-back, that this current takes?

If the strap happens to be a quarter wavelength long, or a multiple, then interesting things happen....

Given a choice between available paths, electricity rarely decides to take *only* the best (i.e., shortest, or lowest impedance) path. Electricity splits between all available paths; so even the "high impedance" path may carry some current, as long as there is a voltage (DC) or an electromagnetic field (RF) that would cause that current.

Sorry, I have given you more questions than answers....

Andy

5728. RE: [ham-antennas] RF Ground for HF 10-80m

Yahoo group: ham-antennas (2008)
Date: 2008-09-03 18:56:53 UTC
From: Jerry Stern
Topic: 5663 Message: 5728

Thanks Andy,

So if I read you correctly, in my situation I guess my next question should be why should I bother with the extra 50' ground path at all provided all the rigs are DC grounded via the home electrical?

73 Jerry

-----Original Message-----
From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Andy
Sent: Wednesday, September 03, 2008 1:09 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] RF Ground for HF 10-80m

Mind you this is only my opinion ...

IMO, you mostly only need to worry about an RF ground *at* the feedpoint of an antenna that uses ground as its "other" half, such as a vertical. And you provide that by way of either an elevated counterpoise, or a ground radial system. And you connect to it right at the antenna's feedpoint.

Think of where the currents are going. The only place the RF current should go into the "ground", is where your coax feedline connects to it at the (vertical) antenna's feedpoint. Period. There should be no RF current taking a different path out of your shack. You want all of your RF power to stay inside the coax to the antenna. If some of the current takes another path to ground, then not all of your RF power is in the coax where it should be.

If you have a beam or other antenna that doesn't use ground as one of its radiating elements, then there is no RF current path to ground, so in theory (and often in practice), you don't even need to provide an RF ground. If hot spots and RF-in-the-shack become a problem with such antennas, then perhaps it is lack of a balun where one should have been used, to keep RF currents off the outside of the coax and keep your feedline from radiating.

If you have a vertical, then you kinda want to not provide extra paths to RF ground, other than the intended one: out the coax to the radial system at the base of the vertical. Other connections to ground may be OK, but you don't want the RF output of your rig to be taking those paths. Unfortunately, sometimes it is impossible to enforce that, and then things may get interesting.

> 1) Why would any RF signal from my HF rigs remain "ungrounded" or want to
> radiate HF RF through a high impedance 50' ground strap when there is a
> much

> much lower impedance path to the Vertical radial field?

There is a mantra that some RF engineers use: there is no such thing as "ground." Therefore, everything is "ungrounded." And that no two "ground" points will have the same potential, even two points on the same chassis, though I suppose that is less true at 80m than at higher frequencies.

How do you know your 50' ground strap is "high impedance"? Perhaps you are thinking how fat the strap is. But inductive impedance is determined by many other factors, including the loop formed between that strap and whatever other path is nearby. What is the whole path, out-and-back, that this current takes?

If the strap happens to be a quarter wavelength long, or a multiple, then interesting things happen....

Given a choice between available paths, electricity rarely decides to take *only* the best (i.e., shortest, or lowest impedance) path. Electricity splits between all available paths; so even the "high impedance" path may carry some current, as long as there is a voltage (DC) or an electromagnetic field (RF) that would cause that current.

Sorry, I have given you more questions than answers....

Andy

[Non-text portions of this message have been removed]

5729. Re: First Post with Questions about 20m 1/2 Wave Vertical.

Yahoo group: ham-antennas (2008)
Date: 2008-09-04 00:45:52 UTC
From: Jack Chomley
Topic: 5669 Message: 5729

--- In ham-antennas@yahoogroups.com, "Bryan" <bswadener@...> wrote:

>
> Hi Jack,
>
> You're talking about the Cushcraft Ringo antennas (the AR10 and AR11
> models). The 'Gamma Ring' was effectovely tapped inductor that put the
> antenna element at DC ground. They used a stub of coax to resonate the
> inductor, and the tap selected the correct transformation ratio. I
> can't help with the dimensions.
>
> However, I built a 20m lambda/2 vertical (see
> http://www.geocities.com/bswadener/antennas/). Mine uses a homebrew
> tapped coil which wasn't difficult to make from 0.25" (6mm) OD soft
> copper tubing. I resonate it with an air variable capacitor with some
> padding across it (a stub of coax could be used instead). I used the
> program on http://www.smeter.net/antennas/vertune.php to calculate the
> optimal values. If you look closely at the photos on my page, you'll
> see that not only is the tap point adjustable, the coil length can be
> varied. In fact, everything is variable! hi An upside-down plastic
> planter pot protects the network from the weather. It works FB.
>
> vy 73 es gud dx,
> Bryan WA7PRC
> >
>

Thanks Bryan for the info and links, I just need to figure out that formula program and see what happens. As for the construction, I have already got the verical sections of aluminium etc and just need to make the feed for the antenna. I did also find a reference in a book I have here " The Radio Amateur Antenna Handbook" by William Orr W6SAI & Stuart Cowan W2LX, this book details a single turn Gamma Ring feed, which is what I was originally looking for. Anyway, your iteration of this design looks good too, so I might try it and see how I go.

73s Jack VK4JRC

5730. 160m dipole

Yahoo group: ham-antennas (2008)
Date: 2008-09-04 18:51:45 UTC
From: peglegkd5gyg
Topic: 5730 Message: 5730

I am wanting to get on 160m but don't have an antenna that will tune to 160. I have limited space and limited funds so i have to do it cheap. I was thinking of building a plain old dipole and trying to get it as high as I can in sort of an inverted V fashion. But i will only be able to get it up about 30 feet or so. I will then have top run the ends out to about 8 foot off the ground and the run the rest of the wire somewhere. maybe horizontal or out and then back up in another direction. Is an antenna like this going to work well enough to justify time and expense.

Also had another ideal, don't know if this would work, but to make it fit to my space in an inverted v form, would be some where in the middle or towards the end is place a piece of pvc and wrap wire around it to shorten up the length some but still have the correct length of wire. If this would work how far from the end should i put the pvc to wrap the wire?

thanks
chris
kd5gyg

5731. Re: [ham-antennas] 160m dipole

Yahoo group: ham-antennas (2008)
Date: 2008-09-04 19:10:02 UTC
From: Dan Schaaf
Topic: 5730 Message: 5731

In order to use a trap or loaded dipole as inverted V, 30 ft high at the feedpoint has worked for me. Don't expect spectacular results but it will get you on 160. I use the Alpha Delta DX-LB as an inverted V at 30 ft height at the feedpoint. It is 100 ft long and the ends are 8 ft high. I have 26 countries on it since last Sept including VP6DX. It is somewhat omnidirectional like a vertical but the angle of radiation is not low like a vertical.

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com "In the Beginning, there was Spark Gap"

----- Original Message -----
From: peglegkd5gyg
To: ham-antennas@yahoogroups.com
Sent: Thursday, September 04, 2008 2:51 PM
Subject: [ham-antennas] 160m dipole

I am wanting to get on 160m but don't have an antenna that will tune to 160. I have limited space and limited funds so i have to do it cheap. I was thinking of building a plain old dipole and trying to get it as high as I can in sort of an inverted V fashion. But i will only be able to get it up about 30 feet or so. I will then have top run the ends out to about 8 foot off the ground and the run the rest of the wire somewhere. maybe horizontal or out and then back up in another direction. Is an antenna like this going to work well enough to justify time and expense.

Also had another ideal, don't know if this would work, but to make it fit to my space in an inverted v form, would be some where in the middle or towards the end is place a piece of pvc and wrap wire around it to shorten up the length some but still have the correct length of wire. If this would work how far from the end should i put the pvc to wrap the wire?

thanks
chris
kd5gyg

[Non-text portions of this message have been removed]

5732. Re: [ham-antennas] 160m dipole

Yahoo group: ham-antennas (2008)
Date: 2008-09-04 19:13:00 UTC
From: Troy, W6HV
Topic: 5730 Message: 5732

Chris,
I have very limited space as well. I use an "inverted L" that resembles an end-fed "inverted V". The feed point is at ground level using a matching coil formed from 1/4" copper tubing. I have a bunch of varying length radials that cover an arc of about 180 degrees from the feed point area. The antenna wire then goes up about six feet then angles up to my tower (about 25 feet away) at about 35 feet. Then the wire angles down to about 18 feet off the ground and is anchored (using an insulator, of course) to a tree. The overall length, due to the effect of the shunt matching coil is about 118 feet. Using an "L" network coupler in the shack I can cover the entire band (with 30 meters as a bonus). The antenna resonates at about 1.850 MHz. I have worked stations from KH6-land to the east coast from here in California. Hope this gives you an idea.

73,
Troy, W6HV
----- Original Message -----
From: peglegkd5gyg<mailto:peglegkd5gyg@...>
To: ham-antennas@yahoogroups.com<mailto:ham-antennas@yahoogroups.com>
Sent: Thursday, September 04, 2008 11:51 AM
Subject: [ham-antennas] 160m dipole

I am wanting to get on 160m but don't have an antenna that will tune to 160. I have limited space and limited funds so i have to do it cheap. I was thinking of building a plain old dipole and trying to get it as high as I can in sort of an inverted V fashion. But i will only be able to get it up about 30 feet or so. I will then have top run the ends out to about 8 foot off the ground and the run the rest of the wire somewhere. maybe horizontal or out and then back up in another direction. Is an antenna like this going to work well enough to justify time and expense.

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thanks
chris
kd5gyg

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 974 members (as of 11/07/07, and attachments are NOT permitted.
Post message: ham-antennas@yahoogroups.com<mailto:ham-antennas@yahoogroups.com>

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List owner: ham-antennas-owner@yahoogroups.com<mailto:ham-antennas-owner@yahoogroups.com>
Yahoo! Groups Links

[Non-text portions of this message have been removed]

5733. ATAS 120 on patio roof

Yahoo group: ham-antennas (2008)
Date: 2008-09-04 20:59:01 UTC
From: ke5voz
Topic: 5733 Message: 5733

I was thinking of putting my atas 120 in the center of my patio cover
which I belive i galvanized steel, sitting on the ground, with about 6'
steel stakes driven into the ground holding it in place.
How do you think it will work. Will the roof act as a goundplane?
Need to run about 150' coax, What would you use?
Any and all ideas will be helpful.

Thanks Art

5734. Re: [ham-antennas] 160m dipole

Yahoo group: ham-antennas (2008)
Date: 2008-09-05 00:59:16 UTC
From: Steve Friis
Topic: 5730 Message: 5734

peglegkd5gyg wrote:
>
> I am wanting to get on 160m but don't have an antenna that will tune
> to 160. I have limited space and limited funds so i have to do it
> cheap. I was thinking of building a plain old dipole and trying to get
> it as high as I can in sort of an inverted V fashion. But i will only
> be able to get it up about 30 feet or so. I will then have top run the
> ends out to about 8 foot off the ground and the run the rest of the
> wire somewhere. maybe horizontal or out and then back up in another
> direction. Is an antenna like this going to work well enough to
> justify time and expense.
>
> Also had another ideal, don't know if this would work, but to make it
> fit to my space in an inverted v form, would be some where in the
> middle or towards the end is place a piece of pvc and wrap wire around
> it to shorten up the length some but still have the correct length of
> wire. If this would work how far from the end should i put the pvc to
> wrap the wire?
>
> thanks
> chris
> kd5gyg
>
>
>
>
For 160, and 80 meters I use a full size 80 meter dipole with an RF choke made with 1 1/2" PVC pipe about 9" long if I remember right (I would have to go outside and measure it for you if you are interested) wound with #18 wire that fills about 7 1/2" of the form. Then there is 15 more feet of wire on the end. If I remember right, the total length of each leg is about 80 feet. Mine is centered on 1840 and my antenna tuner makes it work from 1805 to around 1880.

Let me know if you want any more details and I will get them for you. I am scheduled for antenna maintenance soon anyway. Winter is coming.

--
Steve Friis/ WM5Z
These are the humble rantings of an old phart and in no way should they influence the actions of any intelligent and sane person.

5735. Re: [ham-antennas] horizontal or vertical

Yahoo group: ham-antennas (2008)
Date: 2008-09-05 01:04:07 UTC
From: Phil Bader
Topic: 5726 Message: 5735

Well. Lets say you erect a square wire antenna, and each side is one quarter wave,so it's a full wave in all. If you break the wire at the middle of the top or bottom (and insert a transmission line feed), it will be horizontal polarization.
If you break the wire mid point on either side it will be vert. polorized. Break it at either corner and it will be a combination V and H polarization. If you have multiple turns,I would think it would exibit circular polarization,as hams have done for years for ,say, a moon bounce (EME) because there is no way of knowing what the polarization of a bounced signal will be when it hits an antenna pointed skyward at that satillite.(or moon).
I think my answer is accurate,but hope I addressed your question.
Thanks,
Phil B
Philip Bader
Polk County School Board
Intercom & Fire Alarm Electronics Systems Tech
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakelandarc.org/
pbader@...

----- Original Message -----
From: DAVID
To: ham-antennas@yahoogroups.com
Sent: Wednesday, September 03, 2008 11:04 AM
Subject: [ham-antennas] horizontal or vertical

just noticed on my multi turn loop i have fed it in the bottom corner
and correct me if i am wrong but on a normal hf or vhf loop this would
be a mix of horizonta/vertical does this work the same way on a multi
turn mw loop or will i need to feed it in the middle of the horizontal
section to get horizontal pol. thanks for your time david

No virus found in this incoming message.
Checked by AVG - http://www.avg.com
Version: 8.0.169 / Virus Database: 270.6.16/1650 - Release Date: 9/3/2008 4:13 PM

[Non-text portions of this message have been removed]

5736. Re: [ham-antennas] RF Ground for HF 10-80m

Yahoo group: ham-antennas (2008)
Date: 2008-09-05 01:05:16 UTC
From: Andy
Topic: 5663 Message: 5736

> So if I read you correctly, in my situation I guess my next question
> should
> be why should I bother with the extra 50' ground path at all provided all
> the rigs are DC grounded via the home electrical?

Well, that's the $50,000 question. Not necessarily. If there's RF current through that 50' ground strap, the question is, what's causing it?

Electromagnetic (E-M) fields exist because of currents on wires. Currents on wires exist because of E-M fields. Which one is the cause? Will cutting the wire stop the unintended radiation, or will it only move the current to somewhere else? Or cause hot spots and the potential for RF burns?

Run coax from an amp to a dummy load, and all of the RF energy should be contained by the coax and go only to the load. No matter how many ground straps you connect to anywhere, none of them should carry any current and no radiation 'gets out.' That's how coax is supposed to work.

So when you replace the dummy load with an antenna, what's different? It's not easy to figure out. If there is something different about the load that can result in currents flowing back along the outside of the coax, you could try the brute force technique of a current balun (choke) to block it; and that *might* cut the path that feeds current into your 50' ground strap. (Or it might make things worse. It's best to understand a problem, if you can, before taking stabs at solutions.)

So I don't know ... I think I'm really not helping you at all!

Andy

5737. Re: [ham-antennas] Re: barn roof

Yahoo group: ham-antennas (2008)
Date: 2008-09-05 01:49:44 UTC
From: Phil Bader
Topic: 5663 Message: 5737

Well we must consider the possibility of delicate DNA within our cells. We know cancers start with damaged (altered) DNA and go from there. I would assume strong EM radiation could certainly damage cells,so cancers are a possibility. I think many people react differently. Two can be exposed to a toxin,one gets cancer the other not. Who knows. Maybe red dye #2 is worse!
Phil B
Philip Bader
Polk County School Board
Intercom & Fire Alarm Electronics Systems Tech
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakelandarc.org/
pbader@...

----- Original Message -----
From: Walter A. Breining
To: ham-antennas@yahoogroups.com
Sent: Wednesday, September 03, 2008 2:28 AM
Subject: Re: [ham-antennas] Re: barn roof

RF does not cause Leukemia or any other ailments except the immediate tissue burning if one gets in contact with too high of RF wattage.

I used to go onto towers radiating anywhere from 250 watts to 50 kW with no ill effects. I used to spend hours day after day point blank in these RF fields.

That was 30 years ago. I am now 59 and I am sorry but I don't think you will be getting rid of me soon.

When the wavelength approaches the length of the human body, the heating effect may increase. RF is magnetic energy not Gamma radiation.

The yuppies can take off the tin foil suits now.

Vy 73, Walt, N9WB

----- Original Message -----
From: Phil Bader
To: ham-antennas@yahoogroups.com
Sent: Tuesday, September 02, 2008 12:40
Subject: Re: [ham-antennas] Re: barn roof

Wow...Construction workers getting RF burns...I wonder how many later in years came down with leukemias or other things related to damaged tissue from working in the Rf field ?

Philip Bader
Polk County School Board
Intercom & Fire Alarm Electronics Systems Tech
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakelandarc.org/
pbader@...

----- Original Message -----
From: Andy
To: ham-antennas@yahoogroups.com
Sent: Monday, September 01, 2008 9:48 PM
Subject: Re: [ham-antennas] Re: barn roof

> WJCM in Sebring on 1050 kHz runs 1 kW Day/.011KW (011W)

I vaguely recall when very low power AM nighttime operation started. These weren't pirate stations. It was for commercial stations that had to sign off at sundown; it gave them a way to stay on at least a few more hours. Presumably the QRP was necessary to protect co-channel stations that didn't go dark at night. Plate modulated transmitters aren't easily cranked down to such low power levels, so they ran their transmitters at full power, and inserted a pad ... essentially a 1KW or 5KW dummy load with a tap most of the way down ... between the transmitter and antenna system.

At the AM station where I worked, something in the shack containing the antenna tuner (matching circuit) at the base of one of the towers would "sing" with the audio we were broadcasting. We had to visit each tower to read a meter at its base, twice daily.

They were located in a swampy area. A few years later someone built apartment and office buildings around it. I heard stories about the construction workers getting RF burns, handling their steel beams (station was 50KW daytime). Shortly after, they moved the transmitter to another town.

That station even had some old (no longer used) open wire parallel feedline on glass insulators, running from the transmitter building part-way out to the towers. Remnants of pre-WWII days.

Andy

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Version: 8.0.169 / Virus Database: 270.6.14/1647 - Release Date: 9/2/2008 6:02 AM

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Checked by AVG - http://www.avg.com
Version: 8.0.169 / Virus Database: 270.6.14/1647 - Release Date: 9/2/2008
6:02 AM

[Non-text portions of this message have been removed]

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Version: 8.0.169 / Virus Database: 270.6.15/1648 - Release Date: 9/2/2008
17:29

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Checked by AVG - http://www.avg.com
Version: 8.0.169 / Virus Database: 270.6.16/1650 - Release Date: 9/3/2008 4:13 PM

[Non-text portions of this message have been removed]

5738. RF Caution and No Climbing signs up for auction

Yahoo group: ham-antennas (2008)
Date: 2008-09-05 02:19:26 UTC
From: frontrowe1
Topic: 5738 Message: 5738

I have two auctions currently going on ebay for signs you might need around your equipment. Thanks for letting me post these messages. I appreciate everyone who has made purchases in the last couple of weeks.

Here's the link where you can find both of the items.

http://shop.ebay.com/merchant/brjecass

5739. Re: First Post with Questions about 20m 1/2 Wave Vertical.

Yahoo group: ham-antennas (2008)
Date: 2008-09-05 03:35:55 UTC
From: Bryan
Topic: 5669 Message: 5739

Jack Chomley wrote:
>
> Bryan wrote:
>
> >
> > Hi Jack,
> >
> > You're talking about the Cushcraft Ringo antennas (the AR10 and
AR11
> > models). The 'Gamma Ring' was effectovely tapped inductor that
put the
> > antenna element at DC ground. They used a stub of coax to
resonate the
> > inductor, and the tap selected the correct transformation ratio.
I
> > can't help with the dimensions.
> >
> > However, I built a 20m lambda/2 vertical (see
> > http://www.geocities.com/bswadener/antennas/). Mine uses a
homebrew
> > tapped coil which wasn't difficult to make from 0.25" (6mm) OD
soft
> > copper tubing. I resonate it with an air variable capacitor with
some
> > padding across it (a stub of coax could be used instead). I used
the
> > program on http://www.smeter.net/antennas/vertune.php to
calculate the
> > optimal values. If you look closely at the photos on my page,
you'll
> > see that not only is the tap point adjustable, the coil length
can be
> > varied. In fact, everything is variable! hi An upside-down
plastic
> > planter pot protects the network from the weather. It works FB.
> >
> > vy 73 es gud dx,
> > Bryan WA7PRC
> > >
> >
>
> Thanks Bryan for the info and links, I just need to figure out that
> formula program and see what happens. As for the construction, I
have
> already got the verical sections of aluminium etc and just need to

> make the feed for the antenna. I did also find a reference in a
book I
> have here " The Radio Amateur Antenna Handbook" by William Orr
W6SAI &
> Stuart Cowan W2LX, this book details a single turn Gamma Ring feed,
> which is what I was originally looking for. Anyway, your iteration
of
> this design looks good too, so I might try it and see how I go.
>
> 73s Jack VK4JRC

You're welcome, Jack. What may not be apparent in my vertical is
that the bottom section of tubing is around 5' (1.5m) tall. This
allows easy access, to adjust the length from the rooftop. I used
hose clamps that are 100% stainless steel (the cheap ones use a plain
steel screw). I applied a dab of antiseize compound to the hose
clamps to prevent the screws from galling.

73,
Bryan WA7PRC

5740. CORRECTION: Wrong picture posted.....756 PRO Guts.

Yahoo group: ham-antennas (2008)
Date: 2008-09-05 07:12:42 UTC
From: Tom
Topic: 5740 Message: 5740

Hello Hamtenna Group,

This post is off topic and not for the squeamish, as it involves guts, but no blood.

I had to replace a frozen relay in my built in antenna tuner. That happened when I tried to tune a tuner. While I was performing surgery on my rig, I decided to blow the cat hairs and dust out of it and clean the connectors by inserting all the connections a few times. The radio works great and had no leftover parts!

See: http://ph.groups.yahoo.com/group/ham-antennas/photos/view/f4ef?b=10

Cheers.

Tom
KE6YNH, 73
San Diego, CA

[Non-text portions of this message have been removed]

5741. Re: [SPAM]Re: [ham-antennas] Re: barn roof

Yahoo group: ham-antennas (2008)
Date: 2008-09-05 10:27:05 UTC
From: Walter A. Breining
Topic: 5663 Message: 5741

This involves frequencies much higher than HF. My comments were relating to things under 100 MHz.

At HF the human body is small compared to a wavelength. At higher frequencies, this is not true. Enough power at microwave frequencies can heat tissue. A common example is the microwave range. Perhaps some organs heat up sooner than others. Also cornea damage to the eyes has been reported at microwave frequencies, probably due to tissue heating.

Broadcasters have found that when climbers are near the bays for high power FM stations for an extended time, they often carry a fever for a day or so. It is common practice to turn off the transmitter or drastically reduce power when climbers are near the bays.

At AM stations in the 50's and prior, the DJ, announcer, or engineer would sit on one side of a window overlooking the transmitter. Early transmitters were built on frames with no significant metal shielding around them. The same for the phaser. (The phaser is the device that distributes the RF power to the towers in a multi tower array. It provides adjustment of the currents and phases to each tower.)

These people sat there for hours daily for years. One such set up was still at WOWO in the 70's as a back up transmitter. They used it a lot too. Their main transmitter was an Ampliphase. (Awfulphase) The slightest change in antenna impedance messed with the linearity. You just can't keep most multi tower arrays stable enough for such a transmitter scheme.

So I don't worry about near proximity to RF unless the frequency is well above 50 MHz and the power is more than a few watts.

Vy 73, Walt, N9WB

----- Original Message -----
From: Dean
To: ham-antennas@yahoogroups.com
Sent: Tuesday, September 02, 2008 13:41
Subject: Re: [SPAM]Re: [ham-antennas] Re: barn roof

While I had Tower climbers working on my cellular towers
if they would be close to the large 15.5 Db antennas I would
drop the site. The guys on the tower would start to get sick
if I did not turn off the transmitters ..
100 watts don't sound like much but when it is into a large
antenna it is a little different.

73 Dean W5GXL@...

On Sep 2, 2008, at 12:05 PM, Andy wrote:

> > When changing out the red warning lights on a tower they do not
> turn off
> > the transmitter either.
>
> Also when painting the towers.
>
> Tower painters mostly have to be careful getting on and off the
> tower. They
> don't want to be the path between tower and ground.
>
> I think the problem with the construction workers is they'd be
> touching two
> pieces of metal which were some distance apart and so had a
> significant RF
> voltage between them.
>
> OTOH, you don't want to be climbing a tower and right next to FM or TV
> antennas, where the fields are much more concentrated. I bet they do
> turn
> them off (or switch to an auxiliary site) when changing lights on
> top of
> those towers. We always did.
>
> > Wow...Construction workers getting RF burns...I wonder how many
> later in
> > years came down with leukemias or other things related to damaged
> tissue
> > from working in the Rf field ?
>
> Hasn't happened to me ... yet ...
>
> Many of us transmitter operators spent our working days much closer
> than a
> wavelength from the antennas.
>
> Andy
>
>
>

[Non-text portions of this message have been removed]

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Version: 8.0.169 / Virus Database: 270.6.15/1648 - Release Date: 9/2/2008
17:29

5742. Phased Gap Challengers question

Yahoo group: ham-antennas (2008)
Date: 2008-09-05 12:12:14 UTC
From: Dave Cole
Topic: 5663 Message: 5742

Hi,

Has anyone phased a pair of GAP Challengers here? If so, any suggestions as to a resource I can look at to set up a pair of them for 40/20 Meters?

Dave
NK7Z

5743. G5RV comes in various sizes?

Yahoo group: ham-antennas (2008)
Date: 2008-09-05 14:37:53 UTC
From: SB
Topic: 5743 Message: 5743

Well after reading about the G5RV - I went searching for an ideal price. Instead I got all different sizes. Seems the G5RV is typically 102 feet and the junior version is around 50 feet.. less the 80m for the junior version. Now on Ebay there is a 60 foot one for 80 to 10m? And a whole bunch of other sizes - are these just copies? I'm lost here - can someone share their experience with this antenna. I have only 50 feet to play with. No room for a vertical and the G5RV would be ideal for 40m & 20m + 15m. I will be using a ground plane for 10m.

txs

5744. Re: [ham-antennas] G5RV comes in various sizes?

Yahoo group: ham-antennas (2008)
Date: 2008-09-05 14:50:55 UTC
From: Chris
Topic: 5743 Message: 5744

In a nutshell, the 102' version is the minimum length to be even a bit efficient on 75m. So if you are interested in operating there and have the room, don't buy a shorter version.

If you have the room, longer is better.

Price shopping them isn't the wise choice. You would be much better served looking for the ones with a high quality construction instead or making your own out of quality components.

There isn't a whole lot to a G5RV, the measurements and specs are all over the place and skimping on quality for an antenna makes no sense at all, may as well not bother putting it up.

Yet another .02. I would recommend you look at the "Carolina Windom" which is an off-center fed dipole with a 4:1 balun at the feedpoint. I find them simpler for people to install properly and generally better performers than a G5RV for multi band use. Someone like http://www.buxcomm.com/ who makes quality wire antennas is recommended over the cheapest you can find on ebay.

On Fri, Sep 5, 2008 at 10:37 AM, SB <inlineskater19km@...> wrote:
> Well after reading about the G5RV - I went searching for an ideal
> price. Instead I got all different sizes. Seems the G5RV is typically
> 102 feet and the junior version is around 50 feet.. less the 80m for
> the junior version. Now on Ebay there is a 60 foot one for 80 to 10m?
> And a whole bunch of other sizes - are these just copies? I'm lost
> here - can someone share their experience with this antenna. I have
> only 50 feet to play with. No room for a vertical and the G5RV would be
> ideal for 40m & 20m + 15m. I will be using a ground plane for 10m.
>
> txs
>
>
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> ------------------------------------
>
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5745. Re: [ham-antennas] G5RV comes in various sizes?

Yahoo group: ham-antennas (2008)
Date: 2008-09-05 15:14:55 UTC
From: Steve Friis
Topic: 5743 Message: 5745

SB wrote:
> Well after reading about the G5RV - I went searching for an ideal
> price. Instead I got all different sizes. Seems the G5RV is typically
> 102 feet and the junior version is around 50 feet.. less the 80m for
> the junior version. Now on Ebay there is a 60 foot one for 80 to 10m?
> And a whole bunch of other sizes - are these just copies? I'm lost
> here - can someone share their experience with this antenna. I have
> only 50 feet to play with. No room for a vertical and the G5RV would be
> ideal for 40m & 20m + 15m. I will be using a ground plane for 10m.
>
>
>
I can only tell you about the full sized version as that is what I have
as my camp site antenna. It is a fairly good radiator, but you do need
to use an antenna tuner. I use mine in an inverted Vee configuration
with a mast at the center up 35 feet and the ends tied off to whatever
is convenient at various camp sites we have visited in the RV. Mine is
100 feet long.

--
Steve Friis/ WM5Z
These are the humble ramblings of an old phart and in no way should they
influence the actions of any intelligent and sane person.

5746. Re: [ham-antennas] G5RV comes in various sizes?

Yahoo group: ham-antennas (2008)
Date: 2008-09-05 15:39:36 UTC
From: Leonard K. Pennock
Topic: 5743 Message: 5746

I had the one 65' one that has loading coils in it and is sold on ebay. It is now sitting in a box. I didn't find it a particularly good radiator and had trouble with RF in the shack with it even running a current balun were it connected to coax. I finally pulled it down and put up Alpha Delta DX-CC. Much better antenna but higher cost. If you only want 40M and with the size you have to play with, you should look at the Alpha Delta DX-EE. Only 40' long and does 10-15-20-40. If you can get out to 82' by doing inverted V and maybe letting the ends droop some you could use a DX-CC which add 80M. IMO the best thing to do with the shortened G5RV is avoid them. They take a mediocre design and make it worse.

SB wrote:
> Well after reading about the G5RV - I went searching for an ideal
> price. Instead I got all different sizes. Seems the G5RV is typically
> 102 feet and the junior version is around 50 feet.. less the 80m for
> the junior version. Now on Ebay there is a 60 foot one for 80 to 10m?
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>
> txs
>
>
>
> ---
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> Yahoo! Groups Links
>
>
>
--
Leonard K. Pennock
AD7AS

Those who walk bravely through life, unafraid of loss or failure,
find that they very rarely lose or fail.

5747. Re: [ham-antennas] Re: barn roof

Yahoo group: ham-antennas (2008)
Date: 2008-09-05 15:44:03 UTC
From: Andy
Topic: 5663 Message: 5747

> These people sat there for hours daily for years. One such set up was still
> at WOWO in the 70's as a back up transmitter. They used it a lot too. Their
> main transmitter was an Ampliphase. (Awfulphase) ...

Ah yes, the Ampliphase. The chief engineer at one station where I worked said his predecessor installed it, but could never get it to work right. It gave them nothing but trouble. RCA's instructions were fine until you applied modulation. The new CE figured out how to deviate from RCA's instructions and make it moderately stable. Many things did cause havoc with its adjustments, but remarkably the tide was not one of them (it was in a tidal marsh).

> At AM stations in the 50's and prior, the DJ, announcer, or engineer would
> sit on one side of a window overlooking the transmitter.

Many stations did this well past the 50's. I would have said that some still do ... but are there any AM stations left with a live DJ? In the same state as the transmitter?

Actually, I visited one of my old employers a few years ago, and they still had a DJ about 10' from the AM and FM transmitters, in a wooden building, within the circumference of the guy wires. They may be the exception. And one of the last times I listened, they still had the same morning DJ as they did since before I was born.

Andy

5748. Re: [ham-antennas] G5RV comes in various sizes?

Yahoo group: ham-antennas (2008)
Date: 2008-09-05 16:39:34 UTC
From: w8okn@charter.net
Topic: 5743 Message: 5748

The G5RV is not much different than a regular dipole. In fact, a dipole has two radiators, giving it the name, "di"pole. The G5RV may have a vertical component, but certainly not worth mentioning. I'd go with a ladder line fed dipole ANY day over a G5RV.

The G5RV is past its prime. It was intended to originally be used as a means to match a dipole to a tube type output transmitter. The SWR was moderate for a tube output rig, close enough so that ham did not need to always use a tuner. It is simply not low enough for today's rigs. Thus, a tuner is required, which defeats the entire original purpose of the G5RV.

If you want more power to go to the elements, then use the longest dipole, over 100 feet for efficiency and better matching on the lower frequencies, and run ladder line to it. Since you are going to be using a tuner regardless, you may as well get as much power to the antenna as you can.
--
From the desk of W8OKN, northern Michigan

---- "Leonard K. Pennock" <leonardpennock@...> wrote:
> I had the one 65' one that has loading coils in it and is sold on ebay.
> It is now sitting in a box. I didn't find it a particularly good
> radiator and had trouble with RF in the shack with it even running a
> current balun were it connected to coax. I finally pulled it down and
> put up Alpha Delta DX-CC. Much better antenna but higher cost. If you
> only want 40M and with the size you have to play with, you should look
> at the Alpha Delta DX-EE. Only 40' long and does 10-15-20-40. If you
> can get out to 82' by doing inverted V and maybe letting the ends droop
> some you could use a DX-CC which add 80M. IMO the best thing to do with
> the shortened G5RV is avoid them. They take a mediocre design and make
> it worse.
>
> SB wrote:
> > Well after reading about the G5RV - I went searching for an ideal
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> > only 50 feet to play with. No room for a vertical and the G5RV would be
> > ideal for 40m & 20m + 15m. I will be using a ground plane for 10m.
> >
> > txs
> >
> >
> >
> > ------------------------------------
> >

> > HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 974 members (as of 11/07/07, and attachments are NOT permitted.
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> >
> --
> Leonard K. Pennock
> AD7AS
>
> Those who walk bravely through life, unafraid of loss or failure,
> find that they very rarely lose or fail.

5749. Re: G5RV comes in various sizes?

Yahoo group: ham-antennas (2008)
Date: 2008-09-05 16:51:04 UTC
From: Randy McKenzie
Topic: 5743 Message: 5749

Seems like every antenna will have fans and enemies. Ive talked to several hams who use the G5RV and really like the ability to build it themself, tune it on almost any band and not have a yard full of wires. They used ladder line and a tuner, and operated fine. Others you will find will complain about it and make claims of every sort and size.

I built one using 64' legs and it tuned up fine, tho I was limited in the height and length, requiring me to make a few bends in the run. I made contacts on it and it worked even in a cramped yard and a house with a metal roof.

My suggestion is build one and try it out. A little wire and some ladder lead and see what it does for you.

If us hams ever have one antenna that fits perfectly and everyone loves it its time to turn in the license and watch tv!

wanna stir up a good fuss? Talk about how good a verticle is on HF with no ground radials.....stand back!!!!!

Randy
KK4EJ

--- In ham-antennas@yahoogroups.com, "SB" <inlineskater19km@...> wrote:
>
> Well after reading about the G5RV - I went searching for an ideal
> price. Instead I got all different sizes. Seems the G5RV is typically
> 102 feet and the junior version is around 50 feet.. less the 80m for
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> only 50 feet to play with. No room for a vertical and the G5RV would
be
> ideal for 40m & 20m + 15m. I will be using a ground plane for 10m.
>
> txs
>

5750. Re: [ham-antennas] G5RV comes in various sizes?

Yahoo group: ham-antennas (2008)
Date: 2008-09-05 17:58:38 UTC
From: Bill
Topic: 5743 Message: 5750

I have used a modified version of the G5RV at a length of 98 feet on 40 very successfully. I is not a very good antenna but with the mod it worked well on 40. I recently decided to replace it with a super loop. You can find the dimensions of the super loop by googling it. It is about the same overall length as the G5RV.

The G5RV is a very inferior antenna for a variety of reasons. In particular the feedpoint impedance is so bad that it requires a long length of coax to reduce the feedpoint swr. The super loop on the other hand works well on both 80 and 40. I have modeled it using EZNEC and the theoretical characteristics re very close to the actual characteristics I have observed. On 40 the designers claim 4 dBs of gain. EZNEC shows 8.64 dBi.

The designers claim that the super loop acts as a bisquare on 40 meters and a full wave loop on 80. The EZNEC plots on 80 are not all that good but the 40 meter plots look quite nice.

If you are interested I will post the dimensions I have used for mine.

73
Bill
W7VP
----- Original Message -----
From: SB
To: ham-antennas@yahoogroups.com
Sent: Friday, September 05, 2008 7:37 AM
Subject: [ham-antennas] G5RV comes in various sizes?

Well after reading about the G5RV - I went searching for an ideal price. Instead I got all different sizes. Seems the G5RV is typically 102 feet and the junior version is around 50 feet.. less the 80m for the junior version. Now on Ebay there is a 60 foot one for 80 to 10m? And a whole bunch of other sizes - are these just copies? I'm lost here - can someone share their experience with this antenna. I have only 50 feet to play with. No room for a vertical and the G5RV would be ideal for 40m & 20m + 15m. I will be using a ground plane for 10m.

txs

[Non-text portions of this message have been removed]

5751. Re: [ham-antennas] G5RV comes in various sizes?

Yahoo group: ham-antennas (2008)
Date: 2008-09-05 20:47:07 UTC
From: Ruben Echevarria
Topic: 5743 Message: 5751

I started with a G5RV with terrible results, switched over to an Alpha Delta DX-CC and am now having the time of my life on PSK. Only drawback is that it's slightly directional and can get most of Europe but not to the West Coast or the Pacific. It's mounted in an inverted fashion. Recommend it highly.
I live in the city and the lot is small but it worked out.
 Ruben Echevarria KA2HHB
SKCC #2132 EPC#3390
10-10 International Club #33308

----- Original Message ----
From: Leonard K. Pennock <leonardpennock@...>
To: ham-antennas@yahoogroups.com
Sent: Friday, September 5, 2008 11:39:36 AM
Subject: Re: [ham-antennas] G5RV comes in various sizes?

I had the one 65' one that has loading coils in it and is sold on ebay. It is now sitting in a box. I didn't find it a particularly good radiator and had trouble with RF in the shack with it even running a current balun were it connected to coax. I finally pulled it down and put up Alpha Delta DX-CC. Much better antenna but higher cost. If you only want 40M and with the size you have to play with, you should look at the Alpha Delta DX-EE. Only 40' long and does 10-15-20-40. If you can get out to 82' by doing inverted V and maybe letting the ends droop some you could use a DX-CC which add 80M. IMO the best thing to do with the shortened G5RV is avoid them. They take a mediocre design and make it worse.

SB wrote:
> Well after reading about the G5RV - I went searching for an ideal
> price. Instead I got all different sizes. Seems the G5RV is typically
> 102 feet and the junior version is around 50 feet.. less the 80m for
> the junior version. Now on Ebay there is a 60 foot one for 80 to 10m?
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>
>
--
Leonard K. Pennock
AD7AS

Those who walk bravely through life, unafraid of loss or failure,
find that they very rarely lose or fail.

[Non-text portions of this message have been removed]

5752. found a great all band radiator with flat SWR!

Yahoo group: ham-antennas (2008)
Date: 2008-09-05 23:36:33 UTC
From: Phil Bader
Topic: 5752 Message: 5752

This little baby is small and compact. Fits anywhere. I get almost a 1:1 VSWR from 160 mtrs thru UHF! My transmitter loves it.... What's it called...Hmmm.
Oh. It's a big 50 ohm resistor!
Philip Bader
Polk County School Board
Intercom & Fire Alarm Electronics Systems Tech
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakelandarc.org/
pbader@...

5753. RE: [ham-antennas] found a great all band radiator with flat SWR!

Yahoo group: ham-antennas (2008)
Date: 2008-09-05 23:44:41 UTC
From: Dave Cole
Topic: 5752 Message: 5753

Or a BWD-90. <znicker>

-----Original Message-----
From: ham-antennas@yahoogroups.com
[mailto:ham-antennas@yahoogroups.com]On Behalf Of Phil Bader
Sent: Friday, September 05, 2008 4:37 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] found a great all band radiator with flat SWR!

This little baby is small and compact. Fits anywhere. I get almost a 1:1
VSWR from 160 mtrs thru UHF! My transmitter loves it.... What's it
called...Hmmm.
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HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
to ALL 974 members (as of 11/07/07, and attachments are NOT permitted.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

5754. advise please?

Yahoo group: ham-antennas (2008)
Date: 2008-09-05 23:45:08 UTC
From: Ken Snipes
Topic: 5743 Message: 5754

I have a old aluminum dipole for 10/11 meters , but the mount that it comes with has cracked and lost it's holding ability. So im going to re use the radials for a 10 meter dipole, but I wanted to ask, would it be better as a horizontal dipole, or a inverted V ?

once it goes up, im not looking to bring it back down anytime soon, so any advise would be great. It's going to be mounted for my workshop use, and ill be in there a lot , so I wanted a 10 meter ant that would be good for the DX thats supposed to be starting....

Thanks for your help

KD4IEN
10-10# 74734

You can also find me on the WEB at...
KD4IEN on the AOL imer
KD4IEN on Yahoo Messenger

5755. Re: [ham-antennas] found a great all band radiator with flat SWR!

Yahoo group: ham-antennas (2008)
Date: 2008-09-06 00:15:00 UTC
From: Phil Bader
Topic: 5752 Message: 5755

I remember some "military" antenna that basically was a big resistor with a
wire on it. What a crock... Is that it?
Philip Bader
Polk County School Board
Intercom & Fire Alarm Electronics Systems Tech
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakelandarc.org/
pbader@...

----- Original Message -----
From: "Dave Cole" <dave@...>
To: <ham-antennas@yahoogroups.com>
Sent: Friday, September 05, 2008 7:44 PM
Subject: RE: [ham-antennas] found a great all band radiator with flat SWR!

> Or a BWD-90. <znicker>
>
> -----Original Message-----
> From: ham-antennas@yahoogroups.com
> [mailto:ham-antennas@yahoogroups.com]On Behalf Of Phil Bader
> Sent: Friday, September 05, 2008 4:37 PM
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] found a great all band radiator with flat SWR!
>
>
> This little baby is small and compact. Fits anywhere. I get almost a 1:1
> VSWR from 160 mtrs thru UHF! My transmitter loves it.... What's it
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> Philip Bader
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> pbader@...
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
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> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
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> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
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> ---
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> Yahoo! Groups Links
>
>
>

No virus found in this incoming message.
Checked by AVG - http://www.avg.com
Version: 8.0.169 / Virus Database: 270.6.16/1650 - Release Date: 9/3/2008
4:13 PM

5758. MFJ-1798 added 70CM

Yahoo group: ham-antennas (2008)
Date: 2008-09-06 05:18:12 UTC
From: seth_otherpower
Topic: 5758 Message: 5758

I have added 70cm to my MFJ-1798, if any one is interested i will have pics in the Photo section in a few days.

KC7NOA

5759. Re: [ham-antennas] advise please?

Yahoo group: ham-antennas (2008)
Date: 2008-09-06 07:25:59 UTC
From: Walter A. Breining
Topic: 5743 Message: 5759

May be what they used to call a Trick Stick. I would run it horizontal. If possable, you might want to have a way to manually turn it 90 degrees. It will be a bit directional. If the ends droop a bit I wouldn't worry about it. If you do not use a balun, coil up about 4 turns of coax in a 4 inch diameter circle as a choke balun.

Vy 73, Walt, N9WB

----- Original Message -----
From: Ken Snipes
To: ham-antennas@yahoogroups.com
Sent: Friday, September 05, 2008 19:45
Subject: [ham-antennas] advise please?

I have a old aluminum dipole for 10/11 meters , but the mount that it comes with has cracked and lost it's holding ability. So im going to re use the radials for a 10 meter dipole, but I wanted to ask, would it be better as a horizontal dipole, or a inverted V ?

once it goes up, im not looking to bring it back down anytime soon, so any advise would be great. It's going to be mounted for my workshop use, and ill be in there a lot , so I wanted a 10 meter ant that would be good for the DX thats supposed to be starting....

Thanks for your help

KD4IEN
10-10# 74734

You can also find me on the WEB at...
KD4IEN on the AOL imer
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No virus found in this incoming message.
Checked by AVG - http://www.avg.com
Version: 8.0.169 / Virus Database: 270.6.17/1655 - Release Date: 9/5/2008 19:05

5761. Re: [ham-antennas] advise please?

Yahoo group: ham-antennas (2008)
Date: 2008-09-06 12:22:22 UTC
From: Traveler
Topic: 5743 Message: 5761

The old ARRL Handbooks and Antenna Handbooks use to have a 15 or 10 meter rotatable dipole that used aluminum tubing and a coil for matching, fed directly with 50ohm coax. Easy to make. I built one for 15 meters back in 1966(when I was a Novice), and worked a lot of dx with it, and used the armstrong method to turn it.
You might want to take a look at it and see if it could be what you are looking to do. Will save a lot of time.

73
Kurt
K8YZK

--- On Sat, 9/6/08, Walter A. Breining <n9wb@...> wrote:

From: Walter A. Breining <n9wb@...>
Subject: Re: [ham-antennas] advise please?
To: ham-antennas@yahoogroups.com
Date: Saturday, September 6, 2008, 3:25 AM

May be what they used to call a Trick Stick. I would run it horizontal. If possable, you might want to have a way to manually turn it 90 degrees. It will be a bit directional. If the ends droop a bit I wouldn't worry about it. If you do not use a balun, coil up about 4 turns of coax in a 4 inch diameter circle as a choke balun.

Vy 73, Walt, N9WB

----- Original Message -----
From: Ken Snipes
To: ham-antennas@ yahoogroups. com
Sent: Friday, September 05, 2008 19:45
Subject: [ham-antennas] advise please?

I have a old aluminum dipole for 10/11 meters , but the mount that it comes with has cracked and lost it's holding ability. So im going to re use the radials for a 10 meter dipole, but I wanted to ask, would it be better as a horizontal dipole, or a inverted V ?

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Thanks for your help

KD4IEN
10-10# 74734

You can also find me on the WEB at...
KD4IEN on the AOL imer
KD4IEN on Yahoo Messenger

No virus found in this incoming message.
Checked by AVG - http://www.avg. com
Version: 8.0.169 / Virus Database: 270.6.17/1655 - Release Date: 9/5/2008
19:05

[Non-text portions of this message have been removed]

5762. Re: [ham-antennas] found a great all band radiator with flat SWR!

Yahoo group: ham-antennas (2008)
Date: 2008-09-06 13:03:33 UTC
From: Steve Friis
Topic: 5752 Message: 5762

Phil Bader wrote:
> I think it's this B&W antenna:
> http://www.bwantennas.com/ama/veeant.ama.htm
> Phil B
> Philip Bader
> Polk County School Board
> Intercom & Fire Alarm Electronics Systems Tech
> Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006
> Amateur call: KI4NUC, Winter Haven, Fl.
>
>

You know what that "balancing network" on the far end is? It is a termination resistor. I think it is 100 Ohms. I had one when I lived in Rio Rancho, NM. We rented a house, and the property owner wouldn't let me put up a bunch of wire, so I got one of those and put it up. I could check into the local HF nets on 80 meters, but was ALWAYS one of the weaker stations. On 20 meters and up, it was like running an attenuator. By 10 meters it sort of began to work, but was still not a top performer.

If you want to put up something similar that actually works, mount a wire in this configuration, but don't terminate the ends. Use an automatic antenna tuner on the remote feed point. This what I wound up doing. It still was a soil warmer but on 80 meters I could at least be heard.

--
Steve Friis/ WM5Z
These are the humble ramblings of an old phart and in no way should they influence the actions of any intelligent and sane person.

5763. multi turn loop

Yahoo group: ham-antennas (2008)
Date: 2008-09-06 13:27:26 UTC
From: DAVID
Topic: 5763 Message: 5763

is this correct or i have i picked this up wrong. my loops are big 6 turn loops with single turn pick up loops and what i beleive i was told was to feed it in the bottom corner of the pickup loop in the direction you want the most and in the opposite corner put in a variable tuning capacitor and tune for a null on a station to the direction you dont want and this will give you tha maxium direction to the side where the pickup loop is fed to your receiver. have i got this correct as i have lost the email that the information came. many thanks david

5764. Re: [ham-antennas] found a great all band radiator with flat SWR!

Yahoo group: ham-antennas (2008)
Date: 2008-09-06 14:02:27 UTC
From: Steve Friis
Topic: 5752 Message: 5764

Phil Bader wrote:
> I remember some "military" antenna that basically was a big resistor with a
> wire on it. What a crock... Is that it?
> Philip Bader
>
>
Yup, but I really think the add saying the military uses them is hype.
Someone who might have been in the military might have bought one and
had it shipped to a FPO somewhere and the sales dept jumped on it saying
"See, used by the military". What I would label as "deceptive"
advertising. Would really question if they bought a large quantity on a
GSA contract.

To bad, too, as B&W used to have a good reputation. They made a lot of
stuff home builders like myself used like preformed coils.

--
Steve Friis/ WM5Z
These are the humble ramblings of an old phart and in no way should they
influence the actions of any intelligent and sane person.

5765. Re: ATAS 120 on patio roof

Yahoo group: ham-antennas (2008)
Date: 2008-09-06 15:27:09 UTC
From: Ralph Hase
Topic: 5733 Message: 5765

--- In ham-antennas@yahoogroups.com, "ke5voz" <ke5voz@...> wrote:
>
> I was thinking of putting my atas 120 in the center of my patio
cover
> which I belive i galvanized steel, sitting on the ground, with about
6'
> steel stakes driven into the ground holding it in place.
> How do you think it will work. Will the roof act as a goundplane?
> Need to run about 150' coax, What would you use?
> Any and all ideas will be helpful.
>
> Thanks Art
>

5766. Lightning Bolt Quad parts

Yahoo group: ham-antennas (2008)
Date: 2008-09-06 20:03:33 UTC
From: g.drummond
Topic: 5766 Message: 5766

Hello,

Does anyone know where I can find the wormgear clamps and tubing used to support the wire elements on the Lightning Bolt Quad antenna or know where to find parts to fabricate same? I have a Quad I would like to build but want to use the clamps/tubing system used on the Lightning Bolt since they are adjustable and durable.

Thanks & 73,
Garry - K4OR

5767. Re: [ham-antennas] Lightning Bolt Quad parts

Yahoo group: ham-antennas (2008)
Date: 2008-09-06 20:45:22 UTC
From: Ruben Echevarria
Topic: 5766 Message: 5767

Worm gear clamps can be purchased at any auto parts store.
Just make sure they say stainless steel on the package.
There are cheap versions that will rust out in no time stay away from those.
 Ruben Echevarria KA2HHB
SKCC #2132 EPC#3390
10-10 International Club #33308

----- Original Message ----
From: g.drummond <g.drummond@...>
To: ham-antennas@yahoogroups.com
Sent: Saturday, September 6, 2008 4:03:33 PM
Subject: [ham-antennas] Lightning Bolt Quad parts

Hello,

Does anyone know where I can find the wormgear clamps and tubing used
to support the wire elements on the Lightning Bolt Quad antenna or
know where to find parts to fabricate same? I have a Quad I would like
to build but want to use the clamps/tubing system used on the
Lightning Bolt since they are adjustable and durable.

Thanks & 73,
Garry - K4OR

[Non-text portions of this message have been removed]

5768. Re: [ham-antennas] found a great all band radiator with flat SWR!

Yahoo group: ham-antennas (2008)
Date: 2008-09-06 21:30:03 UTC
From: Andy
Topic: 5752 Message: 5768

I don't know the exact history of the T2FD antenna, but I think it really was developed under contract for the military / government.

Two reasons why the military likes them is because they don't need a lot of fuss, and they are broadband (and not just on our harmonically-related ham bands). I think B&W got in that business by being one of the government's suppliers of them, decades ago.

People like FEMA still use 'em, partly because they do ALE all over the HF band where you need a wideband antenna, and some power loss is acceptable.

The Rhombic antenna has a pretty good reputation, and it, too, uses terminating resistors. So don't knock them just on the basis of that.

The T2FD is more than a dummy load with some wire attached. It's more like a dipole with a resistor (600-900 ohms IIRC) on the far end that catches the energy the antenna didn't radiate; and its presence also might add to the current through the dipole (at frequencies where the current would otherwise be too low to be effective), and radiation comes from the current.

Would I want one? Doubtful. It doesn't take much work to make a more efficient antenna, if you know what frequency you're using. However, from what I hear, the inefficiency isn't so great to make them useless, maybe 2-6dB (an S-unit or less), though some claim it is more.

Andy

5769. Re: [ham-antennas] Phased Gap Challengers question

Yahoo group: ham-antennas (2008)
Date: 2008-09-06 22:33:51 UTC
From: Ken Burchfield
Topic: 5663 Message: 5769

Nope, I have not, but there is very good phasing information in the Hy-gain manual .in the back of it.
Go to the Hy-gain page at this link and download the AV-18HT manual. it for one has phasing info.
Lots of other pages on the internet if you need others just let me know.
http://www.hy-gain.com Catergories.php?sec=2

AV-18HT

73 Ken
You will have to do some calculation for frequencies you want to phase

PacketRadio is Still Alive.....Mississippi.....145.010.....Simplex.....1200 Baud

----- Original Message ----
From: Dave Cole <dave@...>
To: ham-antennas@yahoogroups.com
Sent: Friday, September 5, 2008 6:12:14 AM
Subject: [ham-antennas] Phased Gap Challengers question

Hi,

Has anyone phased a pair of GAP Challengers here? If so, any suggestions as
to a resource I can look at to set up a pair of them for 40/20 Meters?

Dave
NK7Z

--
.

[Non-text portions of this message have been removed]

5770. Off-Center Fed Dipole and Balun question

Yahoo group: ham-antennas (2008)
Date: 2008-09-06 22:36:15 UTC
From: lecontejoe
Topic: 5770 Message: 5770

This is a long story, here's the short version.

Just built a new house and moved in. I can put up a 135-foot wire antenna -- but -- one end will be only 18-20 feet above ground, the other end will be 25-30 feet high.

I'm looking at putting up an off-center-fed dipole as shown in the ARRL Antenna Book, 1995, page 7-21.

135 feet of wire fed 45.3 feet from one end with coax through a 4:1 current balun. The Antenna Book says this will operate on even harmonics -- 3.5, 7, and 14 Mhz.

I can ground the rig and coax to the house electrical ground and to a separate ground rod that will be used only for the ham station. Running IC-735 at 100 watts max.

Anyone used an antenna like this?? What happened??

I'm planning on using a Unadilla 4:1 balun -- and suggestions or warnings??

Thanks.

5771. RE: [ham-antennas] Off-Center Fed Dipole and Balun question

Yahoo group: ham-antennas (2008)
Date: 2008-09-06 23:06:42 UTC
From: James M.(Jim) Geidl
Topic: 5770 Message: 5771

Joe,

How wattage do you plan on putting into this antenna system? I melted a Unadilla balun real quick with about 550 Watts. If you are going to push any significant wattage into the antenna I suggest a DX Engineering balun.

Jim, K6JMG
//

> [mailto:ham-antennas@yahoogroups.com] On Behalf Of lecontejoe
> Sent: Saturday, September 06, 2008 3:36 PM
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] Off-Center Fed Dipole and Balun question
>
> This is a long story, here's the short version.
>
> Just built a new house and moved in. I can put up a 135-foot
> wire antenna -- but -- one end will be only 18-20 feet above
> ground, the other end will be 25-30 feet high.
>
> I'm looking at putting up an off-center-fed dipole as shown
> in the ARRL Antenna Book, 1995, page 7-21.
>
> 135 feet of wire fed 45.3 feet from one end with coax through
> a 4:1 current balun. The Antenna Book says this will operate
> on even harmonics -- 3.5, 7, and 14 Mhz.
>
> I can ground the rig and coax to the house electrical ground
> and to a separate ground rod that will be used only for the
> ham station.
> Running IC-735 at 100 watts max.
>
> Anyone used an antenna like this?? What happened??
>
> I'm planning on using a Unadilla 4:1 balun -- and suggestions
> or warnings??
>
> Thanks.
>
>
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>
> ---
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> HAM ANTENNAS Anything and everything, tell us or ask
> questions. Replies go to ALL 974 members (as of 11/07/07, and

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> Yahoo! Groups Links
>
>
>

5772. Re: Off-Center Fed Dipole and Balun question

Yahoo group: ham-antennas (2008)
Date: 2008-09-07 00:01:47 UTC
From: lecontejoe
Topic: 5770 Message: 5772

Planning to run my old IC-735 barefoot, or, my FT-857D barefoot.

I am not married to the Unadilla balun -- I'm looking around now to find where I can get a balun or balun kit that will handle 1.5 kw -- not that I'll ever run that much power.

--- In ham-antennas@yahoogroups.com, "James M.\(Jim\) Geidl" <jgeidl@...> wrote:
>
> Joe,
>
> How wattage do you plan on putting into this antenna system? I melted a
> Unadilla balun real quick with about 550 Watts. If you are going to push
> any significant wattage into the antenna I suggest a DX Engineering balun.
>
> Jim, K6JMG
> //
>
>
> > [mailto:ham-antennas@yahoogroups.com] On Behalf Of lecontejoe
> > Sent: Saturday, September 06, 2008 3:36 PM
> > To: ham-antennas@yahoogroups.com
> > Subject: [ham-antennas] Off-Center Fed Dipole and Balun question
> >
> > This is a long story, here's the short version.
> >
> > Just built a new house and moved in. I can put up a 135-foot
> > wire antenna -- but -- one end will be only 18-20 feet above
> > ground, the other end will be 25-30 feet high.
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> > I'm looking at putting up an off-center-fed dipole as shown
> > in the ARRL Antenna Book, 1995, page 7-21.
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> > 135 feet of wire fed 45.3 feet from one end with coax through
> > a 4:1 current balun. The Antenna Book says this will operate
> > on even harmonics -- 3.5, 7, and 14 Mhz.
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> > I can ground the rig and coax to the house electrical ground
> > and to a separate ground rod that will be used only for the
> > ham station.
> > Running IC-735 at 100 watts max.
> >

> > Anyone used an antenna like this?? What happened??
> >
> > I'm planning on using a Unadilla 4:1 balun -- and suggestions
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> > Thanks.
> >
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> >
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>

5773. Re: [ham-antennas] Re: Off-Center Fed Dipole and Balun question

Yahoo group: ham-antennas (2008)
Date: 2008-09-07 00:08:49 UTC
From: W5CPT
Topic: 5770 Message: 5773

Check out the following link. Not DXEngineering but still great looking components.

http://www.balundesigns.com/servlet/StoreFront

Clint - W5CPT

----- Original Message -----
From: lecontejoe
To: ham-antennas@yahoogroups.com
Sent: Saturday, September 06, 2008 7:01 PM
Subject: [ham-antennas] Re: Off-Center Fed Dipole and Balun question

Planning to run my old IC-735 barefoot, or, my FT-857D barefoot.

I am not married to the Unadilla balun -- I'm looking around now to
find where I can get a balun or balun kit that will handle 1.5 kw --
not that I'll ever run that much power.

--- In ham-antennas@yahoogroups.com, "James M.\(Jim\) Geidl"
<jgeidl@...> wrote:
>
> Joe,
>
> How wattage do you plan on putting into this antenna system? I
melted a
> Unadilla balun real quick with about 550 Watts. If you are going
to push
> any significant wattage into the antenna I suggest a DX Engineering
balun.
>
> Jim, K6JMG
> //
>
>
> > [mailto:ham-antennas@yahoogroups.com] On Behalf Of lecontejoe
> > Sent: Saturday, September 06, 2008 3:36 PM
> > To: ham-antennas@yahoogroups.com
> > Subject: [ham-antennas] Off-Center Fed Dipole and Balun question
> >
> > This is a long story, here's the short version.
> >
> > Just built a new house and moved in. I can put up a 135-foot
> > wire antenna -- but -- one end will be only 18-20 feet above
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> > 135 feet of wire fed 45.3 feet from one end with coax through
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> >
> > I'm planning on using a Unadilla 4:1 balun -- and suggestions
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> > Thanks.
> >
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> >
> > ---
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> > List owner: ham-antennas-owner@yahoogroups.com
> > Yahoo! Groups Links
> >
> >
> >
>

[Non-text portions of this message have been removed]

5774. Re: [ham-antennas] Lightning Bolt Quad parts

Yahoo group: ham-antennas (2008)
Date: 2008-09-07 01:36:43 UTC
From: rman
Topic: 5766 Message: 5774

if you are looking for heavier duty then what you will find in most
autoparts stores
check for truck parts suppliers or look in the phone book for stationary
generator
suppliers. not the generators you can buy in home depot, i'm talking
about ones
that generate 600kw and up. some names to look for are detroit diesel,
caterpillar,
and cummins.

73
Pete
N9ZBQ

Ruben Echevarria wrote:

> Worm gear clamps can be purchased at any auto parts store.
> Just make sure they say stainless steel on the package.
> There are cheap versions that will rust out in no time stay away
> from those.
> Ruben Echevarria KA2HHB
> SKCC #2132 EPC#3390
> 10-10 International Club #33308
>
> ----- Original Message ----
> From: g.drummond <g.drummond@...
> <mailto:g.drummond%40verizon.net>>
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Sent: Saturday, September 6, 2008 4:03:33 PM
> Subject: [ham-antennas] Lightning Bolt Quad parts
>
> Hello,
>
> Does anyone know where I can find the wormgear clamps and tubing used
> to support the wire elements on the Lightning Bolt Quad antenna or
> know where to find parts to fabricate same? I have a Quad I would like
> to build but want to use the clamps/tubing system used on the
> Lightning Bolt since they are adjustable and durable.
>
> Thanks & 73,
> Garry - K4OR
>
> [Non-text portions of this message have been removed]
>
>

[Non-text portions of this message have been removed]

5776. Re: [ham-antennas] multi turn loop

Yahoo group: ham-antennas (2008)
Date: 2008-09-07 05:25:05 UTC
From: Prasad Agrahar
Topic: 5763 Message: 5776

David

I am confused about loops. I dont get how you are using a 6 turn loop and where would you put a variable capacitor in it? How far away is the pickup loop positioned? I always thought that variable capacitors are used at the far end of single turn loops. Is your capacitor on the pickup loop? If multi-turn loop has no direct connection then how is it terminated?

I also understood that there would pretty high voltages at the capacitor making it necessary to use wide spaced capacitors and also operate at pretty low power (5W or so). People also told me that a radiating loops create a lot of RFI around.

Regards
Prasad

----- Original Message ----
From: DAVID <dhamilton1@...>
To: ham-antennas@yahoogroups.com
Sent: Saturday, September 6, 2008 9:27:26 AM
Subject: [ham-antennas] multi turn loop

is this correct or i have i picked this up wrong. my loops are big 6 turn loops with single turn pick up loops and what i beleive i was told was to feed it in the bottom corner of the pickup loop in the direction you want the most and in the opposite corner put in a variable tuning capacitor and tune for a null on a station to the direction you dont want and this will give you tha maxium direction to the side where the pickup loop is fed to your receiver. have i got this correct as i have lost the email that the information came. many thanks david

---

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Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

[Non-text portions of this message have been removed]

5777. RE: [ham-antennas] Phased Gap Challengers question

Yahoo group: ham-antennas (2008)
Date: 2008-09-07 13:16:30 UTC
From: Dave Cole
Topic: 5663 Message: 5777

Thanks sir! Exactly what I was looking for!

-----Original Message-----
From: ham-antennas@yahoogroups.com
[mailto:ham-antennas@yahoogroups.com]On Behalf Of Ken Burchfield
Sent: Saturday, September 06, 2008 3:34 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Phased Gap Challengers question

Nope, I have not, but there is very good phasing information in the Hy-gain manual .in the back of it.
Go to the Hy-gain page at this link and download the AV-18HT manual. it for one has phasing info.
Lots of other pages on the internet if you need others just let me know.
http://www.hy-gain.com Catergories.php?sec=2

AV-18HT

73 Ken
You will have to do some calculation for frequencies you want to phase

PacketRadio is Still
Alive.....Mississippi.....145.010.....Simplex.....1200 Baud

----- Original Message ----
From: Dave Cole <dave@...>
To: ham-antennas@yahoogroups.com
Sent: Friday, September 5, 2008 6:12:14 AM
Subject: [ham-antennas] Phased Gap Challengers question

Hi,

Has anyone phased a pair of GAP Challengers here? If so, any suggestions as to a resource I can look at to set up a pair of them for 40/20 Meters?

Dave
NK7Z

--
.

[Non-text portions of this message have been removed]

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Yahoo! Groups Links

5778. Re: [ham-antennas] Phased Gap Challengers question

Yahoo group: ham-antennas (2008)
Date: 2008-09-07 14:22:29 UTC
From: Ken Burchfield
Topic: 5663 Message: 5778

Glad to help out , Dave
If you do the project, would be nice to have feedback, worked or not worked or something else..Tnx Ken

PacketRadio is Still Alive.....Mississippi.....145.010.....Simplex.....1200 Baud

----- Original Message ----
From: Dave Cole <dave@...>
To: ham-antennas@yahoogroups.com
Sent: Sunday, September 7, 2008 7:16:30 AM
Subject: RE: [ham-antennas] Phased Gap Challengers question

Thanks sir! Exactly what I was looking for!

-----Original Message-----
From: ham-antennas@ yahoogroups. com
[mailto:ham-antennas@ yahoogroups. com]On Behalf Of Ken Burchfield
Sent: Saturday, September 06, 2008 3:34 PM
To: ham-antennas@ yahoogroups. com
Subject: Re: [ham-antennas] Phased Gap Challengers question

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Lots of other pages on the internet if you need others just let me know.
http://www.hy- gain.com Catergories. php?sec=2

AV-18HT

73 Ken
You will have to do some calculation for frequencies you want to phase

PacketRadio is Still
Alive..... Mississippi. .....145. 010..... .Simplex. .....1200 Baud

----- Original Message ----
From: Dave Cole <dave@...>
To: ham-antennas@ yahoogroups. com
Sent: Friday, September 5, 2008 6:12:14 AM
Subject: [ham-antennas] Phased Gap Challengers question

Hi,

Has anyone phased a pair of GAP Challengers here? If so, any suggestions as to a resource I can look at to set up a pair of them for 40/20 Meters?

Dave
NK7Z

[Non-text portions of this message have been removed]

5779. Re: Off-Center Fed Dipole and Balun question

Yahoo group: ham-antennas (2008)
Date: 2008-09-07 15:22:47 UTC
From: lecontejoe
Topic: 5770 Message: 5779

Thanks, Clint.

I just had an e-mail exchange with him and he has exactly the balun I need.

Now, the problem is antenna length.

I wanted to erect an OCFD for 80, 40,and 20 -- 136 feet long fed at 45.3 feet from one end. However, looks as though I can only get 125 feet of wire in the air. I may be bale to get 135 feet but the last 10 feet will have to be bent, drooped, or something other than horizontal.

So, I'm thinking now that I'll have to go with an OCFD for 40 and 20 -- 65.5 feet overall length fed at 21.6 feet.

I'll get out tomorrow, measure and think about it -- I really do not want to give up 80.

Thanks.

--- In ham-antennas@yahoogroups.com, "W5CPT" <w5cpt@...> wrote:
>
> Check out the following link. Not DXEngineering but still great looking components.
>
> http://www.balundesigns.com/servlet/StoreFront
>
> Clint - W5CPT
>
>
>
> ----- Original Message -----
> From: lecontejoe
> To: ham-antennas@yahoogroups.com
> Sent: Saturday, September 06, 2008 7:01 PM
> Subject: [ham-antennas] Re: Off-Center Fed Dipole and Balun question
>
>
> Planning to run my old IC-735 barefoot, or, my FT-857D barefoot.
>
> I am not married to the Unadilla balun -- I'm looking around now to
> find where I can get a balun or balun kit that will handle 1.5 kw --
> not that I'll ever run that much power.

>
> --- In ham-antennas@yahoogroups.com, "James M.\(Jim\) Geidl"
> <jgeidl@> wrote:
> >
> > Joe,
> >
> > How wattage do you plan on putting into this antenna system? I
> melted a
> > Unadilla balun real quick with about 550 Watts. If you are
going
> to push
> > any significant wattage into the antenna I suggest a DX
Engineering
> balun.
> >
> > Jim, K6JMG
> > //
> >
> >
> > > [mailto:ham-antennas@yahoogroups.com] On Behalf Of lecontejoe
> > > Sent: Saturday, September 06, 2008 3:36 PM
> > > To: ham-antennas@yahoogroups.com
> > > Subject: [ham-antennas] Off-Center Fed Dipole and Balun
question
> > >
> > > This is a long story, here's the short version.
> > >
> > > Just built a new house and moved in. I can put up a 135-foot
> > > wire antenna -- but -- one end will be only 18-20 feet above
> > > ground, the other end will be 25-30 feet high.
> > >
> > > I'm looking at putting up an off-center-fed dipole as shown
> > > in the ARRL Antenna Book, 1995, page 7-21.
> > >
> > > 135 feet of wire fed 45.3 feet from one end with coax through
> > > a 4:1 current balun. The Antenna Book says this will operate
> > > on even harmonics -- 3.5, 7, and 14 Mhz.
> > >
> > > I can ground the rig and coax to the house electrical ground
> > > and to a separate ground rod that will be used only for the
> > > ham station.
> > > Running IC-735 at 100 watts max.
> > >
> > > Anyone used an antenna like this?? What happened??
> > >
> > > I'm planning on using a Unadilla 4:1 balun -- and suggestions
> > > or warnings??
> > >
> > > Thanks.
> > >

> > >
> > >
> > >
> > > ---
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> [Non-text portions of this message have been removed]
>

5780. Re: [ham-antennas] Re: Off-Center Fed Dipole and Balun question

Yahoo group: ham-antennas (2008)
Date: 2008-09-07 15:37:04 UTC
From: Leonard K. Pennock
Topic: 5770 Message: 5780

Let the last 5 feet on each end droop and it should still work ok.

lecontejoe wrote:
> Thanks, Clint.
>
> I just had an e-mail exchange with him and he has exactly the balun I
> need.
>
> Now, the problem is antenna length.
>
> I wanted to erect an OCFD for 80, 40,and 20 -- 136 feet long fed at
> 45.3 feet from one end. However, looks as though I can only get 125
> feet of wire in the air. I may be bale to get 135 feet but the last
> 10 feet will have to be bent, drooped, or something other than
> horizontal.
>
> So, I'm thinking now that I'll have to go with an OCFD for 40 and 20 -
> - 65.5 feet overall length fed at 21.6 feet.
>
> I'll get out tomorrow, measure and think about it -- I really do not
> want to give up 80.
>
> Thanks.
>
>
> --- In ham-antennas@yahoogroups.com, "W5CPT" <w5cpt@...> wrote:
>> Check out the following link. Not DXEngineering but still great
> looking components.
>> http://www.balundesigns.com/servlet/StoreFront
>>
>> Clint - W5CPT
>>
>>
>>
>> ----- Original Message -----
>> From: lecontejoe
>> To: ham-antennas@yahoogroups.com
>> Sent: Saturday, September 06, 2008 7:01 PM
>> Subject: [ham-antennas] Re: Off-Center Fed Dipole and Balun
> question
>>
>> Planning to run my old IC-735 barefoot, or, my FT-857D barefoot.
>>
>> I am not married to the Unadilla balun -- I'm looking around now
> to

>> find where I can get a balun or balun kit that will handle 1.5
> kw --
>> not that I'll ever run that much power.
>>
>> --- In ham-antennas@yahoogroups.com, "James M.\(Jim\) Geidl"
>> <jgeidl@> wrote:
>> >
>> > Joe,
>> >
>> > How wattage do you plan on putting into this antenna system? I
>> melted a
>> > Unadilla balun real quick with about 550 Watts. If you are
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>> to push
>> > any significant wattage into the antenna I suggest a DX
> Engineering
>> balun.
>> >
>> > Jim, K6JMG
>> > //
>> >
>> >
>> > > [mailto:ham-antennas@yahoogroups.com] On Behalf Of lecontejoe
>> > > Sent: Saturday, September 06, 2008 3:36 PM
>> > > To: ham-antennas@yahoogroups.com
>> > > Subject: [ham-antennas] Off-Center Fed Dipole and Balun
> question
>> > >
>> > > This is a long story, here's the short version.
>> > >
>> > > Just built a new house and moved in. I can put up a 135-foot
>> > > wire antenna -- but -- one end will be only 18-20 feet above
>> > > ground, the other end will be 25-30 feet high.
>> > >
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>> > > in the ARRL Antenna Book, 1995, page 7-21.
>> > >
>> > > 135 feet of wire fed 45.3 feet from one end with coax through
>> > > a 4:1 current balun. The Antenna Book says this will operate
>> > > on even harmonics -- 3.5, 7, and 14 Mhz.
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>> > > I can ground the rig and coax to the house electrical ground
>> > > and to a separate ground rod that will be used only for the
>> > > ham station.
>> > > Running IC-735 at 100 watts max.
>> > >
>> > > Anyone used an antenna like this?? What happened??
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>> > > I'm planning on using a Unadilla 4:1 balun -- and suggestions
>> > > or warnings??

>> > >
>> > > Thanks.
>> > >
>> > >
>> > >
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>> [Non-text portions of this message have been removed]
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>
--
Leonard K. Pennock
AD7AS

Those who walk bravely through life, unafraid of loss or failure,
find that they very rarely lose or fail.

5781. Re: [ham-antennas] Re: Off-Center Fed Dipole and Balun question

Yahoo group: ham-antennas (2008)
Date: 2008-09-07 17:25:35 UTC
From: W5CPT
Topic: 5770 Message: 5781

Absolutely let the ends droop. The difference will be un-detectable.

Clint - W5CPT

----- Original Message -----
From: Leonard K. Pennock
To: ham-antennas@yahoogroups.com
Sent: Sunday, September 07, 2008 10:37 AM
Subject: Re: [ham-antennas] Re: Off-Center Fed Dipole and Balun question

Let the last 5 feet on each end droop and it should still work ok.

lecontejoe wrote:
> Thanks, Clint.
>
> I just had an e-mail exchange with him and he has exactly the balun I
> need.
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> Now, the problem is antenna length.
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> I wanted to erect an OCFD for 80, 40,and 20 -- 136 feet long fed at
> 45.3 feet from one end. However, looks as though I can only get 125
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> So, I'm thinking now that I'll have to go with an OCFD for 40 and 20 -
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> I'll get out tomorrow, measure and think about it -- I really do not
> want to give up 80.
>
> Thanks.
>
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> --- In ham-antennas@yahoogroups.com, "W5CPT" <w5cpt@...> wrote:
>> Check out the following link. Not DXEngineering but still great
> looking components.
>> http://www.balundesigns.com/servlet/StoreFront
>>
>> Clint - W5CPT
>>
>>
>>
>> ----- Original Message -----
>> From: lecontejoe

>> To: ham-antennas@yahoogroups.com
>> Sent: Saturday, September 06, 2008 7:01 PM
>> Subject: [ham-antennas] Re: Off-Center Fed Dipole and Balun
> question
>>
>> Planning to run my old IC-735 barefoot, or, my FT-857D barefoot.
>>
>> I am not married to the Unadilla balun -- I'm looking around now
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>> find where I can get a balun or balun kit that will handle 1.5
> kw --
>> not that I'll ever run that much power.
>>
>> --- In ham-antennas@yahoogroups.com, "James M.\(Jim\) Geidl"
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>> > Joe,
>> >
>> > How wattage do you plan on putting into this antenna system? I
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>> >
>> > Jim, K6JMG
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>> >
>> >
>> > > [mailto:ham-antennas@yahoogroups.com] On Behalf Of lecontejoe
>> > > Sent: Saturday, September 06, 2008 3:36 PM
>> > > To: ham-antennas@yahoogroups.com
>> > > Subject: [ham-antennas] Off-Center Fed Dipole and Balun
> question
>> > >
>> > > This is a long story, here's the short version.
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>> > > Just built a new house and moved in. I can put up a 135-foot
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>> > > ground, the other end will be 25-30 feet high.
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>> > > 135 feet of wire fed 45.3 feet from one end with coax through
>> > > a 4:1 current balun. The Antenna Book says this will operate
>> > > on even harmonics -- 3.5, 7, and 14 Mhz.
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>> > > I can ground the rig and coax to the house electrical ground
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>> > > Running IC-735 at 100 watts max.
>> > >
>> > > Anyone used an antenna like this?? What happened??
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>> > > I'm planning on using a Unadilla 4:1 balun -- and suggestions
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>> > > Thanks.
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>> [Non-text portions of this message have been removed]
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>
--
Leonard K. Pennock
AD7AS

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find that they very rarely lose or fail.

[Non-text portions of this message have been removed]

5782. Re: ATAS 120 on patio roof

Yahoo group: ham-antennas (2008)
Date: 2008-09-07 18:42:06 UTC
From: Ralph Hase
Topic: 5733 Message: 5782

--- In ham-antennas@yahoogroups.com, "ke5voz" <ke5voz@...> wrote:
>Just wanted to say thanks to all who replied to my post. guess it
was not of interest to anyone!

> I was thinking of putting my atas 120 in the center of my patio
cover
> which I belive i galvanized steel, sitting on the ground, with
about 6'
> steel stakes driven into the ground holding it in place.
> How do you think it will work. Will the roof act as a goundplane?
> Need to run about 150' coax, What would you use?
> Any and all ideas will be helpful.
>
> Thanks Art
>

5783. Re: Unknown Balun?

Yahoo group: ham-antennas (2008)
Date: 2008-09-07 18:44:54 UTC
From: catboat15@aol.com
Topic: 5783 Message: 5783

Among the "goodies" and the "junk" I carefully saved when we moved is a balun that also has a lighting arrestor built in. Tubular with a "hanging ring" at one end and two wire terminals and a coax connector.

Label has disappeared. I was using it at the top of an inverted "V" for ten meters. Now I don't know if it was a 4:1 or a 1:1 balun. Any way to tell what it is?

John Meacham
K6SUF

**********Psssst...Have you heard the news? There's a new fashion blog, plus the latest fall trends and hair styles at StyleList.com. (http://www.stylelist.com/trends?ncid=aolsty00050000000014)

[Non-text portions of this message have been removed]

5784. Re: Off-Center Fed Dipole and Balun question

Yahoo group: ham-antennas (2008)
Date: 2008-09-07 19:00:58 UTC
From: lecontejoe
Topic: 5770 Message: 5784

Thanks to you two gents who offered suggestions on "let 'er droop."

This is a new house -- no trees on the lot -- house and detached garage have hip roofs, shed/workshop has a gable roof. I'm looking at securing one end of the antenna to one of the vent pipes coming out of the roof of the house and the other end to the gable end of the shed -- but that will get only about 95 feet. If I run the antenna from one vent pipe to another, turn 90 degrees and run to the shed I'll get 115-120 feet.

We moved in a month ago -- this week I'm sowing grass, tilling the garden, sowing a cover crop on the garden, emptying the mystery boxes in the garage so I can get both cars into the garage, and -- finally -- erecting the wire antenna. If all else fails, I'll put up a 40-20-10 mtr OCFD (68 or so feet long) but I'm shooting for 135 feet.

I'll let everyone know how it works out.

Plan to put 2 mtr/450 mhz verticals in the attic.

--- In ham-antennas@yahoogroups.com, "W5CPT" <w5cpt@...> wrote:
>
> Absolutely let the ends droop. The difference will be un-
detectable.
>
> Clint - W5CPT
>
>
> ----- Original Message -----
> From: Leonard K. Pennock
> To: ham-antennas@yahoogroups.com
> Sent: Sunday, September 07, 2008 10:37 AM
> Subject: Re: [ham-antennas] Re: Off-Center Fed Dipole and Balun
question
>
>
> Let the last 5 feet on each end droop and it should still work ok.
>
> lecontejoe wrote:
> > Thanks, Clint.
> >
> > I just had an e-mail exchange with him and he has exactly the
balun I
> > need.
> >
> > Now, the problem is antenna length.

> >
> > I wanted to erect an OCFD for 80, 40,and 20 -- 136 feet long
fed at
> > 45.3 feet from one end. However, looks as though I can only get
125
> > feet of wire in the air. I may be bale to get 135 feet but the
last
> > 10 feet will have to be bent, drooped, or something other than
> > horizontal.
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> > So, I'm thinking now that I'll have to go with an OCFD for 40
and 20 -
> > - 65.5 feet overall length fed at 21.6 feet.
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do not
> > want to give up 80.
> >
> > Thanks.
> >
> >
> > --- In ham-antennas@yahoogroups.com, "W5CPT" <w5cpt@> wrote:
> >> Check out the following link. Not DXEngineering but still
great
> > looking components.
> >> http://www.balundesigns.com/servlet/StoreFront
> >>
> >> Clint - W5CPT
> >>
> >>
> >>
> >> ----- Original Message -----
> >> From: lecontejoe
> >> To: ham-antennas@yahoogroups.com
> >> Sent: Saturday, September 06, 2008 7:01 PM
> >> Subject: [ham-antennas] Re: Off-Center Fed Dipole and Balun
> > question
> >>
> >> Planning to run my old IC-735 barefoot, or, my FT-857D
barefoot.
> >>
> >> I am not married to the Unadilla balun -- I'm looking around
now
> > to
> >> find where I can get a balun or balun kit that will handle 1.5
> > kw --
> >> not that I'll ever run that much power.
> >>
> >> --- In ham-antennas@yahoogroups.com, "James M.\(Jim\) Geidl"
> >> <jgeidl@> wrote:

> >> >
> >> > Joe,
> >> >
> >> > How wattage do you plan on putting into this antenna system?
I
> >> melted a
> >> > Unadilla balun real quick with about 550 Watts. If you are
> > going
> >> to push
> >> > any significant wattage into the antenna I suggest a DX
> > Engineering
> >> balun.
> >> >
> >> > Jim, K6JMG
> >> > //
> >> >
> >> >
> >> > > [mailto:ham-antennas@yahoogroups.com] On Behalf Of
lecontejoe
> >> > > Sent: Saturday, September 06, 2008 3:36 PM
> >> > > To: ham-antennas@yahoogroups.com
> >> > > Subject: [ham-antennas] Off-Center Fed Dipole and Balun
> > question
> >> > >
> >> > > This is a long story, here's the short version.
> >> > >
> >> > > Just built a new house and moved in. I can put up a 135-
foot
> >> > > wire antenna -- but -- one end will be only 18-20 feet
above
> >> > > ground, the other end will be 25-30 feet high.
> >> > >
> >> > > I'm looking at putting up an off-center-fed dipole as
shown
> >> > > in the ARRL Antenna Book, 1995, page 7-21.
> >> > >
> >> > > 135 feet of wire fed 45.3 feet from one end with coax
through
> >> > > a 4:1 current balun. The Antenna Book says this will
operate
> >> > > on even harmonics -- 3.5, 7, and 14 Mhz.
> >> > >
> >> > > I can ground the rig and coax to the house electrical
ground
> >> > > and to a separate ground rod that will be used only for
the
> >> > > ham station.
> >> > > Running IC-735 at 100 watts max.
> >> > >
> >> > > Anyone used an antenna like this?? What happened??

> >> > >
> >> > > I'm planning on using a Unadilla 4:1 balun -- and
suggestions
> >> > > or warnings??
> >> > >
> >> > > Thanks.
> >> > >
> >> > >
> >> > >
> >> > >
> >> > > ------------------------------------
> >> > >
> >> > > HAM ANTENNAS Anything and everything, tell us or ask
> >> > > questions. Replies go to ALL 974 members (as of 11/07/07,
and
> >> > > attachments are NOT permitted.
> >> > > Post message: ham-antennas@yahoogroups.com
> >> > > Subscribe: ham-antennas-subscribe@yahoogroups.com
> >> > > Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> >> > > List owner: ham-antennas-owner@yahoogroups.com
> >> > > Yahoo! Groups Links
> >> > >
> >> > >
> >> > >
> >> >
> >>
> >>
> >>
> >>
> >>
> >> [Non-text portions of this message have been removed]
> >>
> >
> >
> >
> > ------------------------------------
> >
> > HAM ANTENNAS Anything and everything, tell us or ask questions.
Replies go to ALL 974 members (as of 11/07/07, and attachments are
NOT permitted.
> > Post message: ham-antennas@yahoogroups.com
> > Subscribe: ham-antennas-subscribe@yahoogroups.com
> > Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> > List owner: ham-antennas-owner@yahoogroups.com
> > Yahoo! Groups Links
> >
> >
> >
> --
> Leonard K. Pennock

> AD7AS
>
> Those who walk bravely through life, unafraid of loss or failure,
> find that they very rarely lose or fail.
>
>
>
>
> [Non-text portions of this message have been removed]
>

5785. Re: [ham-antennas] Re: Unknown Balun?

Yahoo group: ham-antennas (2008)
Date: 2008-09-07 19:48:12 UTC
From: danny garvin
Topic: 5783 Message: 5785

If you have a antenna anilizer or know some one who dose you can place a 50ohm resistor accross the screw terminals and mesure the impedance at the coax connector if it reads 50ohms it's a 1:1 if it reads 12.5ohms it's a 4:1
Danny
   WB9RIM

----- Original Message ----
From: "catboat15@..." <catboat15@...>
To: ham-antennas@yahoogroups.com
Sent: Sunday, September 7, 2008 1:44:54 PM
Subject: [ham-antennas] Re: Unknown Balun?

Among the "goodies" and the "junk" I carefully saved when we moved is a balun that also has a lighting arrestor built in. Tubular with a "hanging ring" at one end and two wire terminals and a coax connector.

Label has disappeared. I was using it at the top of an inverted "V" for ten meters. Now I don't know if it was a 4:1 or a 1:1 balun. Any way to tell what it is?

John Meacham
K6SUF

********** **Psssst. ..Have you heard the news? There's a new fashion blog, plus the latest fall trends and hair styles at StyleList.com. (http://www.stylelis t.com/trends? ncid=aolsty00050 000000014)

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

5786. Re: [ham-antennas] Re: Unknown Balun?

Yahoo group: ham-antennas (2008)
Date: 2008-09-07 21:46:36 UTC
From: Mel Farrer
Topic: 5783 Message: 5786

Pretty much. However, I suggest a little better method. Use a carbon composition resistor of 50 ohms to check for 1:1 at 20 Meters (a reasonable frequency) and a 200 ohm resistor for a 1:4. It is much easier, and more accurate, to check for a good match than to try and determine a 12.5 ohm value with reactances.

Mel, K6KBE

--- On Sun, 9/7/08, danny garvin <grailknight_2@...> wrote:
From: danny garvin <grailknight_2@...>
Subject: Re: [ham-antennas] Re: Unknown Balun?
To: ham-antennas@yahoogroups.com
Date: Sunday, September 7, 2008, 12:48 PM

If you have a antenna anilizer or know some one who dose you can place a 50ohm resistor accross the screw terminals and mesure the impedance at the coax connector if it reads 50ohms it's a 1:1 if it reads 12.5ohms it's a 4:1

Danny

WB9RIM

----- Original Message ----

From: "catboat15@aol. com" <catboat15@aol. com>

To: ham-antennas@ yahoogroups. com

Sent: Sunday, September 7, 2008 1:44:54 PM

Subject: [ham-antennas] Re: Unknown Balun?

Among the "goodies" and the "junk" I carefully saved when we moved is a

balun that also has a lighting arrestor built in. Tubular with a "hanging ring"

at one end and two wire terminals and a coax connector.

Label has disappeared. I was using it at the top of an inverted "V" for ten

meters. Now I don't know if it was a 4:1 or a 1:1 balun. Any way to tell

what it is?

John Meacham

K6SUF

********** **Psssst. ..Have you heard the news? There's a new fashion blog,

plus the latest fall trends and hair styles at StyleList.com.

(http://www.stylelis t.com/trends? ncid=aolsty00050 000000014)

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

5787. Lighting Bolt Parts

Yahoo group: ham-antennas (2008)
Date: 2008-09-08 00:11:27 UTC
From: Garry
Topic: 5787 Message: 5787

Thanks to the two responses for this querry. I should have worded it differently. I have access to the worm gear clamps. I don't know what type of material was used that supported the wire elements where the elements were attached to the poles. It appeared to be two pieces of tubing where one wrapped around the worm clamp and also held the other tube the element wire ran through. This is mainly what I need to find. Does anyone know how to contact the former owner of Lightning Bolt Quads? I think he was associated with the auto industry.

Thanks,
Garry - K4OR

[Non-text portions of this message have been removed]

5788. Re: [ham-antennas] Re: ATAS 120 on patio roof

Yahoo group: ham-antennas (2008)
Date: 2008-09-08 00:16:29 UTC
From: Steve Friis
Topic: 5733 Message: 5788

Ralph Hase wrote:
> --- In ham-antennas@yahoogroups.com, "ke5voz" <ke5voz@...> wrote:
>> Just wanted to say thanks to all who replied to my post. guess it
> was not of interest to anyone!
>
>
>
Did you not read my post? I said it would probably work and you should
try it.

--
Steve Friis/ WM5Z
These are the humble ramblings of an old phart and in no way should they
influence the actions of any intelligent and sane person.

5789. Re: [ham-antennas] Lighting Bolt Parts

Yahoo group: ham-antennas (2008)
Date: 2008-09-08 00:36:37 UTC
From: Ruben Echevarria
Topic: 5787 Message: 5789

Just a thought but how about going to a tackle shop and picking up a few
bare fiberglass fishing rods for the spreaders?
 Ruben Echevarria KA2HHB
SKCC #2132 EPC#3390
10-10 International Club #33308

----- Original Message ----
From: Garry <g.drummond@...>
To: ham-antennas@yahoogroups.com
Sent: Sunday, September 7, 2008 8:11:27 PM
Subject: [ham-antennas] Lighting Bolt Parts

Thanks to the two responses for this querry. I should have worded it differently. I have access to the worm gear clamps. I don't know what type of material was used that supported the wire elements where the elements were attached to the poles. It appeared to be two pieces of tubing where one wrapped around the worm clamp and also held the other tube the element wire ran through. This is mainly what I need to find. Does anyone know how to contact the former owner of Lightning Bolt Quads? I think he was associated with the auto industry.

Thanks,
Garry - K4OR

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

5790. Re: MFJ-1798 added 70CM

Yahoo group: ham-antennas (2008)
Date: 2008-09-08 00:39:02 UTC
From: Bill
Topic: 5758 Message: 5790

I'm certainly interested.
Bill
N0DMC

>
> I have added 70cm to my MFJ-1798, if any one is interested i will have
> pics in the Photo section in a few days.
>
> KC7NOA
>

5791. RE: [ham-antennas] Re: MFJ-1798 added 70CM

Yahoo group: ham-antennas (2008)
Date: 2008-09-08 03:45:27 UTC
From: MIKE DURKIN
Topic: 5758 Message: 5791

> I'm certainly interested.
> Bill
> N0DMC
>
>>
>> I have added 70cm to my MFJ-1798, if any one is interested i will have
>> pics in the Photo section in a few days.
>>
>> KC7NOA
>>
>
>
>

Ok i have them posted in the pictures section ... look for "MFJ-1798 issues" ....

The 2 meters portion is at highest 1.8:1 at 148Mhz ... iv almost given up trying to figure out why its that high ... (measured with a MFJ-259b and 150' of RG-8 mini X) the 70cm never ventures above 1.5:1
Might help if 1"OD aluminum tube was used instead of wood .. but i don't have any spare and i don't want to buy 5' when im going to use 3 - 4 inches !!!!

KC7NOA

Get more out of the Web. Learn 10 hidden secrets of Windows Live.
http://windowslive.com/connect/post/jamiethomson.spaces.live.com-Blog-cns!550F681DAD532637!5295.entry?ocid=TXT_TAGLM_WL_domore_092008

5792. Re: Off-Center Fed Dipole and Balun question

Yahoo group: ham-antennas (2008)
Date: 2008-09-08 04:45:51 UTC
From: ash_lee52
Topic: 5770 Message: 5792

I use the Buckmaster OCF Dipole rigged as an inverted V... and it continues to outperform every other antenna I've tried except a YAGI. The Buckmaster has, I beleive, a 6:1 balun and legs of 45 and 90 feet. They specify that it should be hung with the top at 35 feet and the ends at 10 and 8 feet. So your set up should work great.

Have a look on eham.com to read all the glowing reviews of this antenna.

WW0AL Ash

--- In ham-antennas@yahoogroups.com, "lecontejoe" <joe@...> wrote:
>
> This is a long story, here's the short version.
>
> Just built a new house and moved in. I can put up a 135-foot wire
> antenna -- but -- one end will be only 18-20 feet above ground, the
> other end will be 25-30 feet high.
>
> I'm looking at putting up an off-center-fed dipole as shown in the
> ARRL Antenna Book, 1995, page 7-21.
>
> 135 feet of wire fed 45.3 feet from one end with coax through a 4:1
> current balun. The Antenna Book says this will operate on even
> harmonics -- 3.5, 7, and 14 Mhz.
>
> I can ground the rig and coax to the house electrical ground and to
a
> separate ground rod that will be used only for the ham station.
> Running IC-735 at 100 watts max.
>
> Anyone used an antenna like this?? What happened??
>
> I'm planning on using a Unadilla 4:1 balun -- and suggestions or
> warnings??
>
> Thanks.
>

5793. RE: [ham-antennas] Phased Gap Challengers question

Yahoo group: ham-antennas (2008)
Date: 2008-09-08 12:34:30 UTC
From: Dave Cole
Topic: 5663 Message: 5793

No problem at all, I will send a redux to this group. I am considering a parasitic array, as opposed to a driven array. Probably will end up doing a driven array if I can't locate info on parasitic verticals.

Thanks,
Dave
NK7Z

-----Original Message-----
From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]On Behalf Of Ken Burchfield
Sent: Sunday, September 07, 2008 7:22 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Phased Gap Challengers question

Glad to help out , Dave
If you do the project, would be nice to have feedback, worked or not worked or something else..Tnx Ken

PacketRadio is Still Alive.....Mississippi.....145.010.....Simplex.....1200 Baud

----- Original Message ----
From: Dave Cole <dave@...>
To: ham-antennas@yahoogroups.com
Sent: Sunday, September 7, 2008 7:16:30 AM
Subject: RE: [ham-antennas] Phased Gap Challengers question

Thanks sir! Exactly what I was looking for!

-----Original Message-----
From: ham-antennas@ yahoogroups. com
[mailto:ham-antennas@ yahoogroups. com]On Behalf Of Ken Burchfield
Sent: Saturday, September 06, 2008 3:34 PM
To: ham-antennas@ yahoogroups. com
Subject: Re: [ham-antennas] Phased Gap Challengers question

Nope, I have not, but there is very good phasing information in the Hy-gain manual .in the back of it.
Go to the Hy-gain page at this link and download the AV-18HT manual. it for one has phasing info.
Lots of other pages on the internet if you need others just let me know.
http://www.hy- gain.com Catergories. php?sec=2

AV-18HT

73 Ken
You will have to do some calculation for frequencies you want to phase

PacketRadio is Still
Alive..... Mississippi. .....145. 010..... .Simplex. .....1200 Baud

----- Original Message ----
From: Dave Cole <dave@...>
To: ham-antennas@ yahoogroups. com
Sent: Friday, September 5, 2008 6:12:14 AM
Subject: [ham-antennas] Phased Gap Challengers question

Hi,

Has anyone phased a pair of GAP Challengers here? If so, any suggestions as to a resource I can look at to set up a pair of them for 40/20 Meters?

Dave
NK7Z

[Non-text portions of this message have been removed]

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 974 members (as of 11/07/07, and attachments are NOT permitted.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

No virus found in this incoming message.
Checked by AVG - http://www.avg.com
Version: 8.0.169 / Virus Database: 270.6.18/1658 - Release Date: 9/7/2008 3:30 PM

No virus found in this outgoing message.
Checked by AVG - http://www.avg.com
Version: 8.0.169 / Virus Database: 270.6.18/1658 - Release Date: 9/7/2008 3:30 PM

5794. Mobile Question

Yahoo group: ham-antennas (2008)
Date: 2008-09-08 12:39:09 UTC
From: Dave Cole
Topic: 5663 Message: 5794

Hi,

I will be adding a mobile antenna to my car for HF, any suggestions as to which is best? A trailer hitch will be added this Saturday as a mount. Any suggestions would be appreciated.

Dave
NK7Z

No virus found in this outgoing message.
Checked by AVG - http://www.avg.com
Version: 8.0.169 / Virus Database: 270.6.18/1658 - Release Date: 9/7/2008 3:30 PM

5795. Re: Off-Center Fed Dipole and Balun question

Yahoo group: ham-antennas (2008)
Date: 2008-09-08 12:40:46 UTC
From: Bill
Topic: 5770 Message: 5795

Hi Joe, I run a similar setup to yours. I have a 735 running barefoot. I'm on a 1/2 acre lot and with my mast in its most convenient location I am limited on the short side to about 45ft or so. I built an OCFD with a homebrew balun. Originally used 14awg THNN for the elements. With the feed at 35ft and the ends at about 12ft (I've since raised the long end to about 20ft. Someone I know who has done a lot with these antennas said he's found them to work best with the long end close to the same height as the feed), the lengths came out to 85ft and 45ft to get <1.5:1 on 80 (75 with a tuner), 40, 20, 17, 12 and 10. Works pretty well on 75 for regional work, and reasonably well on 40 and into europe on 20. I've since switched the wire to 16awg enameled. Needed to make the long side a little longer, I'm assuming because of velocity factor difference. If this is your best choice for the space you're in, I think it would work fairly well for you. I get decent reports. The 735 seems to get some nice reports on audio, both with and without the compression.

The one thing I need to check at some point (maybe someone can help with this), I used a red 2" core for the balun that I assumed was a T200-2. 17 bifilar turns of 16awg enamel coated wire. I wanted to build another and bought the wireman kit (831) at a hamfest. When built to their plans I get 3:1 across the board (even when I used my wire and plans). What I haven't tried is different wire lengths with the wireman balun. Can a difference in cores affect impedance? I would think that's strictly a matter of windings. The core material, I would think, would affect freq response and bandwidth. Any thoughts?

(I seem to be good at the "long" version of a short story!)
Good luck with your project!

Bill KC2SUO

--- In ham-antennas@yahoogroups.com, "lecontejoe" <joe@...> wrote:
>
> This is a long story, here's the short version.
>
> Just built a new house and moved in. I can put up a 135-foot wire
> antenna -- but -- one end will be only 18-20 feet above ground, the
> other end will be 25-30 feet high.
>
> I'm looking at putting up an off-center-fed dipole as shown in the
> ARRL Antenna Book, 1995, page 7-21.
>
> 135 feet of wire fed 45.3 feet from one end with coax through a 4:1
> current balun. The Antenna Book says this will operate on even
> harmonics -- 3.5, 7, and 14 Mhz.

>
> I can ground the rig and coax to the house electrical ground and to
a
> separate ground rod that will be used only for the ham station.
> Running IC-735 at 100 watts max.
>
> Anyone used an antenna like this?? What happened??
>
> I'm planning on using a Unadilla 4:1 balun -- and suggestions or
> warnings??
>
> Thanks.
>

5796. Re: [ham-antennas] Mobile Question

Yahoo group: ham-antennas (2008)
Date: 2008-09-08 13:06:41 UTC
From: Earl Needham
Topic: 5663 Message: 5796

Dave Cole wrote:
> Hi,
>
> I will be adding a mobile antenna to my car for HF, any suggestions as to
> which is best? A trailer hitch will be added this Saturday as a mount. Any
> suggestions would be appreciated.

Suspect the trailer hitch mount is adequate, but not stellar.

As for which antenna is "best" -- well it depends on whether you have
size/weight restrictions, price restrictions, what band you want to
operate on, etc.

If price and size wasn't an option, I'd go with something from
<http://www.hiqantennas.com/>

7 3
Earl

--
KD5XB -- Earl Needham
Clovis, New Mexico DM84jk
http://groups.yahoo.com/group/cw_bugs
Quoting from the Coast Guard: ZUT

AVG: No virus found in this outgoing message.
Checked by AVG - http://www.avg.com
Version: 8.0.169 / Virus Database: 270.6.18/1658 - Release Date: 9/7/2008 3:30 PM

[Non-text portions of this message have been removed]

5797. RE: [ham-antennas] Mobile Question

Yahoo group: ham-antennas (2008)
Date: 2008-09-08 13:22:47 UTC
From: Dave Cole
Topic: 5663 Message: 5797

Hi,

This is a car, and the only real option is a hitch, plus I can use the hitch
to actually pull a trailer as well... Thanks for the info, I will look at
these folks!

Dave
NK7Z

-----Original Message-----
From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]On
Behalf Of Earl Needham
Sent: Monday, September 08, 2008 6:07 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Mobile Question

Dave Cole wrote:
> Hi,
>
> I will be adding a mobile antenna to my car for HF, any suggestions as to
> which is best? A trailer hitch will be added this Saturday as a mount.
Any
> suggestions would be appreciated.

Suspect the trailer hitch mount is adequate, but not stellar.

As for which antenna is "best" -- well it depends on whether you have
size/weight restrictions, price restrictions, what band you want to
operate on, etc.

If price and size wasn't an option, I'd go with something from
<http://www.hiqantennas.com/>

7 3
Earl

--
KD5XB -- Earl Needham
Clovis, New Mexico DM84jk
http://groups.yahoo.com/group/cw_bugs
Quoting from the Coast Guard: ZUT

AVG: No virus found in this outgoing message.
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Version: 8.0.169 / Virus Database: 270.6.18/1658 - Release Date: 9/7/2008

3:30 PM

[Non-text portions of this message have been removed]

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3:30 PM

No virus found in this outgoing message.
Checked by AVG - http://www.avg.com
Version: 8.0.169 / Virus Database: 270.6.18/1658 - Release Date: 9/7/2008
3:30 PM

5798. Re: [ham-antennas] Mobile Question

Yahoo group: ham-antennas (2008)
Date: 2008-09-08 13:28:03 UTC
From: Earl Needham
Topic: 5663 Message: 5798

Dave Cole wrote:
> Hi,
>
> This is a car, and the only real option is a hitch, plus I can use the hitch
> to actually pull a trailer as well... Thanks for the info, I will look at
> these folks!

BTW -- check out www.k0bg.com

7 3
Earl

--
KD5XB -- Earl Needham
Clovis, New Mexico DM84jk
http://groups.yahoo.com/group/cw_bugs
Quoting from the Coast Guard: ZUT

AVG: No virus found in this outgoing message.
Checked by AVG - http://www.avg.com
Version: 8.0.169 / Virus Database: 270.6.18/1658 - Release Date: 9/7/2008 3:30 PM

[Non-text portions of this message have been removed]

5799. Re: [ham-antennas] Phased Gap Challengers question

Yahoo group: ham-antennas (2008)
Date: 2008-09-08 13:28:37 UTC
From: Chris
Topic: 5663 Message: 5799

I *think* from my reading that the distance between them is
significant depending on the band you are operating. Meaning if you
phase them for 40m the distance will not be ideal for 20m.

You would be better off phasing mono-band verticals from anything I've
found poking around various books and materials on phased verticals.

On Mon, Sep 8, 2008 at 8:34 AM, Dave Cole <dave@...> wrote:
> No problem at all, I will send a redux to this group. I am considering a
> parasitic array, as opposed to a driven array. Probably will end up doing a
> driven array if I can't locate info on parasitic verticals.
>
> Thanks,
> Dave
> NK7Z
>
>
> -----Original Message-----
> From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]On
> Behalf Of Ken Burchfield
> Sent: Sunday, September 07, 2008 7:22 AM
> To: ham-antennas@yahoogroups.com
> Subject: Re: [ham-antennas] Phased Gap Challengers question
>
>
> Glad to help out , Dave
> If you do the project, would be nice to have feedback, worked or not
> worked or something else..Tnx Ken
>
> PacketRadio is Still
> Alive.....Mississippi.....145.010.....Simplex.....1200 Baud
>
>
>
>
>
> ----- Original Message ----
> From: Dave Cole <dave@...>
> To: ham-antennas@yahoogroups.com
> Sent: Sunday, September 7, 2008 7:16:30 AM
> Subject: RE: [ham-antennas] Phased Gap Challengers question
>
>
> Thanks sir! Exactly what I was looking for!
>

> -----Original Message-----
> From: ham-antennas@ yahoogroups. com
> [mailto:ham-antennas@ yahoogroups. com]On Behalf Of Ken Burchfield
> Sent: Saturday, September 06, 2008 3:34 PM
> To: ham-antennas@ yahoogroups. com
> Subject: Re: [ham-antennas] Phased Gap Challengers question
>
> Nope, I have not, but there is very good phasing information in the Hy-gain
> manual .in the back of it.
> Go to the Hy-gain page at this link and download the AV-18HT manual. it for
> one has phasing info.
> Lots of other pages on the internet if you need others just let me know.
> http://www.hy- gain.com Catergories. php?sec=2
>
> AV-18HT
>
> 73 Ken
> You will have to do some calculation for frequencies you want to phase
>
> PacketRadio is Still
> Alive..... Mississippi. .....145. 010..... .Simplex. .....1200 Baud
>
> ----- Original Message ----
> From: Dave Cole <dave@...>
> To: ham-antennas@ yahoogroups. com
> Sent: Friday, September 5, 2008 6:12:14 AM
> Subject: [ham-antennas] Phased Gap Challengers question
>
> Hi,
>
> Has anyone phased a pair of GAP Challengers here? If so, any suggestions as
> to a resource I can look at to set up a pair of them for 40/20 Meters?
>
> Dave
> NK7Z
>
>
>
>
> [Non-text portions of this message have been removed]
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
> to ALL 974 members (as of 11/07/07, and attachments are NOT permitted.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com

> Yahoo! Groups Links
>
>
>
> No virus found in this incoming message.
> Checked by AVG - http://www.avg.com
> Version: 8.0.169 / Virus Database: 270.6.18/1658 - Release Date: 9/7/2008
> 3:30 PM
>
> No virus found in this outgoing message.
> Checked by AVG - http://www.avg.com
> Version: 8.0.169 / Virus Database: 270.6.18/1658 - Release Date: 9/7/2008
> 3:30 PM
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 974 members (as of 11/07/07, and attachments are NOT permitted.
> Post message: ham-antennas@yahoogroups.com
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> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
>

5800. Re: [ham-antennas] Mobile Question

Yahoo group: ham-antennas (2008)
Date: 2008-09-08 13:33:18 UTC
From: KE7JSL@tmo.blackberry.net
Topic: 5663 Message: 5800

>This is a car, and the only real option is a hitch

Hello,

Echoing the other email I would just like to add screwdriver antennas are nice because you don't have to swap antennas (think hamsticks) each time you want to change bands. Also look at high sierra antennas. The bigest concern is cost for screwdrivers over single band. Two hamsticks for 20m and 40m with a magmount under $100. A third option is a good old 102 inch whip with an good autotuner... All have pluses and minuses..

John
KE7JSL
Sent via BlackBerry from T-Mobile

5801. Re: G5RV comes in various sizes?

Yahoo group: ham-antennas (2008)
Date: 2008-09-08 14:28:14 UTC
From: Chris Moore
Topic: 5743 Message: 5801

Humm Verticals.... I have a EVX6000 up at the moment due to the house has scafolding all over it and its not a touch on my G5RV... The windom is no better or no worse than the G5RV. I cant believe ppl still make these silly claims. At the most you will see is half a S point on ya signal meter. I have both and dont favour one from the other.

Totaly agree with the G5RV can be bent and still work well. A mate of mine has his running down his roof along the gutter down onto the top of a 6 foot fence and around the garden wall. IT STILL WORKS FINE... Have a look on DXZONE for antenna designs there are 1000s You may find just what ya want...

M3XLG

5802. Re: [ham-antennas] Re: G5RV comes in various sizes?

Yahoo group: ham-antennas (2008)
Date: 2008-09-08 14:54:39 UTC
From: Bill
Topic: 5743 Message: 5802

I must say Chris that the G5RV worked well for me but not until I modified it in the manner of the ZL design. I shortened it and recut the 450 ohm ladder line to make it more responsive on 40 meters. By doing so the intrinsic design flaw in the G5RV was eliminated. That flaw is that it requires a very long length of coax to ameliroate the bad feedpoint swr. As such it is a design that is intended to provied opportunities fo those with small sapce for an antenna at the cost of overall efficiency (taking into account the losses in the coax). While it works and I have used it, it was always with the understanding that it was a design with major compromises for those with limited height and space. I do not make any claims that it is better or worse than the windom since I have not used a windom since 1958.

I recently switched to the Super Loop which is no longer than the G5RV but requires more height bercause of the descending portion of the triangle. Both EZNEC and expreience are proving it to be a better antenna with the same overall length as the G5RV.

73
Bill
W7VP
----- Original Message -----
From: Chris Moore
To: ham-antennas@yahoogroups.com
Sent: Monday, September 08, 2008 7:28 AM
Subject: [ham-antennas] Re: G5RV comes in various sizes?

Humm Verticals.... I have a EVX6000 up at the moment due to the house has scafolding all over it and its not a touch on my G5RV... The windom is no better or no worse than the G5RV. I cant believe ppl still make these silly claims. At the most you will see is half a S point on ya signal meter. I have both and dont favour one from the other.

Totaly agree with the G5RV can be bent and still work well. A mate of mine has his running down his roof along the gutter down onto the top of a 6 foot fence and around the garden wall. IT STILL WORKS FINE... Have a look on DXZONE for antenna designs there are 1000s You may find just what ya want...

M3XLG

[Non-text portions of this message have been removed]

5803. Delighted with "Bi-Tri" - Gonna build another one

Yahoo group: ham-antennas (2008)
Date: 2008-09-08 15:05:49 UTC
From: William Trippett
Topic: 5803 Message: 5803

So far my experience with the "Super Loop" antenna has been fantastic. I used th 80-40 meter design and the no-tuner SWR on 40 is amazingly low. DX contacts have been very good as was the experience on the Russian RTTY test.

I built it using the MFJ Antenna Analyzer and EZNEC so the feedpoint impedance was designed to be 200 -j0. That made the match with the 4:1 balun a piece of cake.

Although the designers claim that on 40 meters it acts as a bi-square with 4 dB of gain (EZNEC suggests about 7.5dBi) I call it a "Bi-Tri" since it acts as two triangles fed by the balun (So does the regular bi-square of course except that the combination is a square instead of another triangle). The maximum gain according to EZNEC is 26 degrees on the vertical.

It also works well on 80 meters using the stub to make it a full wave antenna.

Since it is no more than 102 feet over all it fits in tight spaces but does require some height. Mine is up at aboput 85 feet in a couple of fir trees with the bottom at about 44 feet.

If anyone els has any experience with this antenna please post your comments.

73
Bill
W7VP

5804. Re: Off-Center Fed Dipole and Balun question

Yahoo group: ham-antennas (2008)
Date: 2008-09-08 16:30:51 UTC
From: Bill
Topic: 5770 Message: 5804

PS forgot to mention that the balun is a 4:1

--- In ham-antennas@yahoogroups.com, "ash_lee52" <ashton.lee@...>
wrote:
>
> I use the Buckmaster OCF Dipole rigged as an inverted V... and it
> continues to outperform every other antenna I've tried except a
YAGI.
> The Buckmaster has, I beleive, a 6:1 balun and legs of 45 and 90
> feet. They specify that it should be hung with the top at 35 feet
and
> the ends at 10 and 8 feet. So your set up should work great.
>
> Have a look on eham.com to read all the glowing reviews of this
> antenna.
>
> WW0AL Ash
>
> --- In ham-antennas@yahoogroups.com, "lecontejoe" <joe@> wrote:
> >
> > This is a long story, here's the short version.
> >
> > Just built a new house and moved in. I can put up a 135-foot
wire
> > antenna -- but -- one end will be only 18-20 feet above ground,
the
> > other end will be 25-30 feet high.
> >
> > I'm looking at putting up an off-center-fed dipole as shown in
the
> > ARRL Antenna Book, 1995, page 7-21.
> >
> > 135 feet of wire fed 45.3 feet from one end with coax through a
4:1
> > current balun. The Antenna Book says this will operate on even
> > harmonics -- 3.5, 7, and 14 Mhz.
> >
> > I can ground the rig and coax to the house electrical ground and
to
> a
> > separate ground rod that will be used only for the ham station.
> > Running IC-735 at 100 watts max.
> >
> > Anyone used an antenna like this?? What happened??
> >

> > I'm planning on using a Unadilla 4:1 balun -- and suggestions or
> > warnings??
> >
> > Thanks.
> >
>

5805. Re: Delighted with "Bi-Tri" - Gonna build another one

Yahoo group: ham-antennas (2008)
Date: 2008-09-08 18:18:23 UTC
From: Gary
Topic: 5803 Message: 5805

I see all the antenna is being designed with Eznec would you minded
to share the Eznec file with us..

.
>
> I built it using the MFJ Antenna Analyzer and EZNEC so the
feedpoint
> impedance was designed to be 200 -j0. That made the match with the
> 4:1 balun a piece of cake.
>
> Although the designers claim that on 40 meters it acts as a bi-
square
> with 4 dB of gain (EZNEC suggests about 7.5dBi) I call it a "Bi-
Tri"
> since it acts as two triangles fed by the balun (So does the
regular
> bi-square of course except that the combination is a square instead
> of another triangle). The maximum gain according to EZNEC is 26
> degrees on the vertical.
>

5806. Re: Lighting Bolt Parts

Yahoo group: ham-antennas (2008)
Date: 2008-09-08 18:22:39 UTC
From: g.drummond
Topic: 5787 Message: 5806

I have everything I need including the spreaders. I have a Kirk Quad kit I bought back in the early 70's and never built. Their method of attaching the elements to the spreaders was to drill a hole through the spreader. I don't want to do this because you can't adjust it if need be without drilling additional holes. The Lightning Bolt method using the clamp/tubing method allows for adjustment of the element length if necessary. I'm just trying to find their clamps or find out how to make them.

Thanks,
Garry - K4OR

--- In ham-antennas@yahoogroups.com, Ruben Echevarria
<ka2hhb_2000@...> wrote:
>
> Just a thought but how about going to a tackle shop and picking up a
few
> bare fiberglass fishing rods for the spreaders?
> Ruben Echevarria KA2HHB
> SKCC #2132 EPC#3390
> 10-10 International Club #33308
>
>
>
> ----- Original Message ----
> From: Garry <g.drummond@...>
> To: ham-antennas@yahoogroups.com
> Sent: Sunday, September 7, 2008 8:11:27 PM
> Subject: [ham-antennas] Lighting Bolt Parts
>
>
> Thanks to the two responses for this querry. I should have worded it
differently. I have access to the worm gear clamps. I don't know what
type of material was used that supported the wire elements where the
elements were attached to the poles. It appeared to be two pieces of
tubing where one wrapped around the worm clamp and also held the other
tube the element wire ran through. This is mainly what I need to find.
Does anyone know how to contact the former owner of Lightning Bolt
Quads? I think he was associated with the auto industry.
>
> Thanks,
> Garry - K4OR
>
> [Non-text portions of this message have been removed]
>

>
>
>
>
>
> [Non-text portions of this message have been removed]
>

5807. Kayak antenna

Yahoo group: ham-antennas (2008)
Date: 2008-09-08 18:48:27 UTC
From: Don
Topic: 5807 Message: 5807

I am interested in using HF in a Kayak.
The boat is all plastic so no ground plane.
Could I use a trailing wire supported by floats?
Let's say the wire is 125ft long and is in fresh water,
it is also insulated.

Any ideas how it may work?
Any ideas as to how I could make a ground or counerpoise?

73
Don, NN8B

5808. Re: [ham-antennas] Re: Delighted with "Bi-Tri" - Gonna build another one

Yahoo group: ham-antennas (2008)
Date: 2008-09-08 20:02:38 UTC
From: Bill
Topic: 5803 Message: 5808

Gary
Here are the approximate conditions. Horizontal wire at 85 feet cut in middle with 450 ohm stub 90 degrees long at 7.025 MHz. Vertex at 50 feet split source. Ground 1 medium. I have the data at home on my other computer but you can run it yourself.
----- Original Message -----
From: Gary
To: ham-antennas@yahoogroups.com
Sent: Monday, September 08, 2008 11:18 AM
Subject: [ham-antennas] Re: Delighted with "Bi-Tri" - Gonna build another one

I see all the antenna is being designed with Eznec would you minded
to share the Eznec file with us..

.
>
> I built it using the MFJ Antenna Analyzer and EZNEC so the
feedpoint
> impedance was designed to be 200 -j0. That made the match with the
> 4:1 balun a piece of cake.
>
> Although the designers claim that on 40 meters it acts as a bi-
square
> with 4 dB of gain (EZNEC suggests about 7.5dBi) I call it a "Bi-
Tri"
> since it acts as two triangles fed by the balun (So does the
regular
> bi-square of course except that the combination is a square instead
> of another triangle). The maximum gain according to EZNEC is 26
> degrees on the vertical.
>

[Non-text portions of this message have been removed]

5809. Re: [ham-antennas] Re: Delighted with "Bi-Tri" - Gonna build another one

Yahoo group: ham-antennas (2008)
Date: 2008-09-08 20:15:17 UTC
From: Bill
Topic: 5803 Message: 5809

Oops sorry Gary. The overall length is 103 feet for the horizontal section.

73
Bill
W7VP
----- Original Message -----
From: Gary
To: ham-antennas@yahoogroups.com
Sent: Monday, September 08, 2008 11:18 AM
Subject: [ham-antennas] Re: Delighted with "Bi-Tri" - Gonna build another one

I see all the antenna is being designed with Eznec would you minded
to share the Eznec file with us..

.
>
> I built it using the MFJ Antenna Analyzer and EZNEC so the
feedpoint
> impedance was designed to be 200 -j0. That made the match with the
> 4:1 balun a piece of cake.
>
> Although the designers claim that on 40 meters it acts as a bi-
square
> with 4 dB of gain (EZNEC suggests about 7.5dBi) I call it a "Bi-
Tri"
> since it acts as two triangles fed by the balun (So does the
regular
> bi-square of course except that the combination is a square instead
> of another triangle). The maximum gain according to EZNEC is 26
> degrees on the vertical.
>

[Non-text portions of this message have been removed]

5810. Re: [ham-antennas] Delighted with "Bi-Tri" - Gonna build another one

Yahoo group: ham-antennas (2008)
Date: 2008-09-08 20:30:19 UTC
From: Alan Wilson
Topic: 5803 Message: 5810

I had a commerical version of the radio works superloop 80 a few years back. I had one end at 80 ft the other about 60 and feedpoint was maybe 35 ft above the ground (It was strung across a small valley). That was in Alabama and it worked pretty good. I've been thinking of building one. How do you use a mfj analyzer to figure your stub length? I can borrow one from a friend as I only have hf only without a freq counter. I also thought about making a 1/2 sized one for 40 and 20 meters. congrats on the sucess,
73, Alan

>
>

--
Alan Wilson
67 Bullseye Lane
Victor, MT 59875
http://montanaham.tripod.com

[Non-text portions of this message have been removed]

5811. Re: [ham-antennas] Kayak antenna

Yahoo group: ham-antennas (2008)
Date: 2008-09-08 20:43:11 UTC
From: jerry
Topic: 5807 Message: 5811

i used a trailing wire just dropped off my sailboat in fresh water with a vertical cb whip for 10 meters worked fine did my 10 meter dxcc that way i lived on the boat for 3 years
jerry

----- Original Message ----
From: Don <nn8b.oh@...>
To: ham-antennas@yahoogroups.com
Sent: Monday, September 8, 2008 11:48:27 AM
Subject: [ham-antennas] Kayak antenna

I am interested in using HF in a Kayak.
The boat is all plastic so no ground plane.
Could I use a trailing wire supported by floats?
Let's say the wire is 125ft long and is in fresh water,
it is also insulated.

Any ideas how it may work?
Any ideas as to how I could make a ground or counerpoise?

73
Don, NN8B

[Non-text portions of this message have been removed]

5812. Re: [ham-antennas] Re: G5RV comes in various sizes?

Yahoo group: ham-antennas (2008)
Date: 2008-09-08 21:47:26 UTC
From: Earl Needham
Topic: 5743 Message: 5812

Chris Moore wrote:
>
> Totaly agree with the G5RV can be bent and still work well. A mate of
> mine has his running down his roof along the gutter down onto the top
> of a 6 foot fence and around the garden wall. IT STILL WORKS FINE...
> Have a look on DXZONE for antenna designs there are 1000s You may find
> just what ya want...

That's getting awfully close to my thoughts -- throw something up and
give it a try! Let us know what the end result is, too!

7 3
Earl

--
KD5XB -- Earl Needham
Clovis, New Mexico DM84jk
http://groups.yahoo.com/group/cw_bugs
Quoting from the Coast Guard: ZUT

AVG: No virus found in this outgoing message.
Checked by AVG - http://www.avg.com
Version: 8.0.169 / Virus Database: 270.6.19/1660 - Release Date: 9/8/2008 6:39 PM

[Non-text portions of this message have been removed]

5813. Re: [ham-antennas] Delighted with "Bi-Tri" - Gonna build another one

Yahoo group: ham-antennas (2008)
Date: 2008-09-08 22:02:41 UTC
From: Bill
Topic: 5803 Message: 5813

Here is what the instruction manual says

"Resonant frequency of any impedance stub can be measured. Select the first (or opening) measurement mode in teh MAIN menu.

"Connect the stub under test toi the "ANTENNA" connector of the MFJ-259B.

Note: The line must be open circuited at the far end for odd multiples of 1/4 wave stubs (i.e. 1/4, 3/4 1-1/4, etc) and short circuited for all half wave stub multiples (like 1/2, 1, 1-1/2, etc).:

"If a balanced line is used, operate the MFJ-259B only from internal batteries. Keep the MFJ-259B a few feet away from other conductors or earth, and do not attach any wires (other than the feedline) to the unit. Use the ANTENNA connector's shield for one lead and its center pin for the other. Two balanced lines must be suspended in a fairly straight line a few feet away from metallic objects or ground.

"When tuning critical stubs, gradually trim the stub to frequency. Adjust the feedline or stub using the following method:

"1. Determine the desired frequency and theoretical length of the feedline or stub.
2. Cut the stub 20 percent longer that calculated, and . . .leave the far end open for stubs that are 1/4 wave or odd multiples of 1/4 wl long.
3. Measure the frequency of the lowest resistance and reactance, or lowest impedance. For fine tuning look only at the "X=?" display. Adjust the "X" frequency for X=0, or as close to X=0 as possible. The frequency should be about 20% below the desired frequency if everything worked out as planned during the length calculation.
4 Divide the measure lowest "X" frequency by the desired frequency.
5 Multiply the result by the length of the feedline or stub to find the required frequency."

Good luck.

Mind you all I did, however, was to cut it a bit long and then begin trimming it a bit at a time until it was at the desired frequency.

73
Bill
W7VP
----- Original Message -----
From: Alan Wilson
To: ham-antennas@yahoogroups.com
Sent: Monday, September 08, 2008 1:30 PM
Subject: Re: [ham-antennas] Delighted with "Bi-Tri" - Gonna build another one

I had a commerical version of the radio works superloop 80 a few years back.
I had one end at 80 ft the other about 60 and feedpoint was maybe 35 ft

above the ground (It was strung across a small valley). That was in Alabama and it worked pretty good. I've been thinking of building one. How do you use a mfj analyzer to figure your stub length? I can borrow one from a friend as I only have hf only without a freq counter. I also thought about making a 1/2 sized one for 40 and 20 meters. congrats on the sucess,
73, Alan

>
>

--
Alan Wilson
67 Bullseye Lane
Victor, MT 59875
http://montanaham.tripod.com

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

5814. Re: [ham-antennas] Kayak antenna

Yahoo group: ham-antennas (2008)
Date: 2008-09-08 22:29:05 UTC
From: danny garvin
Topic: 5807 Message: 5814

Check out www.n0lx.com Jake has not only done this but he is also doing some interesting experaments with spirial counterpoises.
Danny
   WB9RIM

----- Original Message ----
From: Don <nn8b.oh@...>
To: ham-antennas@yahoogroups.com
Sent: Monday, September 8, 2008 1:48:27 PM
Subject: [ham-antennas] Kayak antenna

I am interested in using HF in a Kayak.
The boat is all plastic so no ground plane.
Could I use a trailing wire supported by floats?
Let's say the wire is 125ft long and is in fresh water,
it is also insulated.

Any ideas how it may work?
Any ideas as to how I could make a ground or counerpoise?

73
Don, NN8B

[Non-text portions of this message have been removed]

5815. Re: MFJ-1798 added 70CM

Yahoo group: ham-antennas (2008)
Date: 2008-09-08 22:36:45 UTC
From: Bill
Topic: 5758 Message: 5815

Thanks Mike for the photos

Bill

N0DMC

> Ok i have them posted in the pictures section ... look for "MFJ-1798 issues" ....
>
> The 2 meters portion is at highest 1.8:1 at 148Mhz ... iv almost given up trying to figure out why its that high ... (measured with a MFJ-259b and 150' of RG-8 mini X) the 70cm never ventures above 1.5:1
> Might help if 1"OD aluminum tube was used instead of wood .. but i don't have any spare and i don't want to buy 5' when im going to use 3 - 4 inches !!!!
>
>
> KC7NOA

5816. loop results

Yahoo group: ham-antennas (2008)
Date: 2008-09-09 00:00:25 UTC
From: DAVID
Topic: 5816 Message: 5816

seems i have done all i can to get the loops performing to their best
from in my attic. i have just received a nigerian low powered pirate
on 917 khz here in scotland. i have some trouble from the spannish
station on 918 khz but i managed to get it
http://www.youtube.com/watch?v=COhBuVaa7RQ
its over 3600 miles away from scotland so not too bad for some wires
in the attic. many thanks david

5817. Re: [ham-antennas] Phased Gap Challengers question

Yahoo group: ham-antennas (2008)
Date: 2008-09-09 02:59:00 UTC
From: Steve Friis
Topic: 5663 Message: 5817

Chris wrote:
> I *think* from my reading that the distance between them is
> significant depending on the band you are operating. Meaning if you
> phase them for 40m the distance will not be ideal for 20m.
>
> You would be better off phasing mono-band verticals from anything I've
> found poking around various books and materials on phased verticals.
>
> On Mon, Sep 8, 2008 at 8:34 AM, Dave Cole <dave@...> wrote:
>> No problem at all, I will send a redux to this group. I am considering a
>> parasitic array, as opposed to a driven array. Probably will end up doing a
>> driven array if I can't locate info on parasitic verticals.
>>
>> Thanks,
>> Dave
>> NK7Z
>
>
Well, yes and no. In a typical 2 vertical array, you can steer in either
of 3 patterns on on the primary frequency. Cardiod for one endfire,
Cardiod for the opposite, and a figure 8 broadside with 1/4 W spacing.
You change the coaxial feed length to change this. You can research
this. Now at twice the frequency you will wind up with a broadside gain
or a clover leaf pattern. Can't remember how much, but both are useful
to working DX. Some software experimenting will let you discover some
tricks.

--
Steve Friis/ WM5Z
These are the humble ramblings of an old phart and in no way should they
influence the actions of any intelligent and sane person.

5818. Re: [ham-antennas] Phased Gap Challengers question

Yahoo group: ham-antennas (2008)
Date: 2008-09-09 03:27:15 UTC
From: Bill
Topic: 5663 Message: 5818

Steve
HyGain has a paper on how to do this and I had a couple of Hy Gain verts that I did it with with some success including remote switching relay to switch between the three positions. Ground plane is a big issue.

73
Bill
W7VP
----- Original Message -----
From: Steve Friis
To: ham-antennas@yahoogroups.com
Sent: Monday, September 08, 2008 7:59 PM
Subject: Re: [ham-antennas] Phased Gap Challengers question

Chris wrote:
> I *think* from my reading that the distance between them is
> significant depending on the band you are operating. Meaning if you
> phase them for 40m the distance will not be ideal for 20m.
>
> You would be better off phasing mono-band verticals from anything I've
> found poking around various books and materials on phased verticals.
>
> On Mon, Sep 8, 2008 at 8:34 AM, Dave Cole <dave@...> wrote:
>> No problem at all, I will send a redux to this group. I am considering a
>> parasitic array, as opposed to a driven array. Probably will end up doing a
>> driven array if I can't locate info on parasitic verticals.
>>
>> Thanks,
>> Dave
>> NK7Z
>
>
Well, yes and no. In a typical 2 vertical array, you can steer in either of 3 patterns on on the primary frequency. Cardiod for one endfire, Cardiod for the opposite, and a figure 8 broadside with 1/4 W spacing. You change the coaxial feed length to change this. You can research this. Now at twice the frequency you will wind up with a broadside gain or a clover leaf pattern. Can't remember how much, but both are useful to working DX. Some software experimenting will let you discover some tricks.

--
Steve Friis/ WM5Z
These are the humble ramblings of an old phart and in no way should they influence the actions of any intelligent and sane person.

[Non-text portions of this message have been removed]

5819. Re: Kayak antenna

Yahoo group: ham-antennas (2008)
Date: 2008-09-09 13:46:45 UTC
From: Donald Kemp
Topic: 5807 Message: 5819

Thanks for the replies.
N0LX has some really interesting stuff, thanks for the URL.

--
73,
Don, NN8B

5820. Re: [ham-antennas] Phased Gap Challengers question

Yahoo group: ham-antennas (2008)
Date: 2008-09-09 14:18:42 UTC
From: Steve Friis
Topic: 5663 Message: 5820

Bill wrote:
> Steve
> HyGain has a paper on how to do this and I had a couple of Hy Gain verts that I did it with with some success including remote switching relay to switch between the three positions. Ground plane is a big issue.
>
> 73
> Bill
> W7VP
>
>

The way around the groundplane problem I used was, before we laid in the sod for a lawn, we put in rebar mesh under the whole yard. It calculated out to the equivalent of 100 radials on 80 meters. Was a little short on the sides, but was just fine on the corners. I brazed all the seams together. Worked very well for me. I know it was good as the antenna 'Q' was very high. I used butternut verticals for the radiators. I did not see any interaction between the two antenna, but sure did see a difference when working stations and flipping the switch between the different phasing harnesses. BTW, I used old fashion open frame relays mounted in a steel enclosure and used some 75 ohm aluminum jacketed cable TV coax. Was very efficient. If I had the room here, I would be very tempted to do that again. I have plenty of room horizontally, but there are lots of little trees scattered throughout the field that the land owner would be upset if I removed them. So I am "stuck" with full sized dipoles on 160 meters through 30 meters. Oh well... ;-)
--
Steve Friis/ WM5Z
These are the humble ramblings of an old phart and in no way should they influence the actions of any intelligent and sane person.

5821. Re: [ham-antennas] Phased Gap Challengers question

Yahoo group: ham-antennas (2008)
Date: 2008-09-09 14:19:14 UTC
From: Ken Burchfield
Topic: 5663 Message: 5821

Dave,
Try these two links, Hope they work for you,
can check pattern out from simulations on line.
http://www.amanogawa.com/archive/TwoDipole/Antenna2-2.html

http://personal.ee.surrey.ac.uk/Personal/D.Jefferies/antarray.html

73 Ken

PacketRadio is Still Alive.....Mississippi.....145.010.....Simplex.....1200 Baud

----- Original Message ----
From: Dave Cole <dave@...>
To: ham-antennas@yahoogroups.com
Sent: Monday, September 8, 2008 6:34:30 AM
Subject: RE: [ham-antennas] Phased Gap Challengers question

No problem at all, I will send a redux to this group. I am considering a
parasitic array, as opposed to a driven array. Probably will end up doing a
driven array if I can't locate info on parasitic verticals.

Thanks,
Dave
NK7Z

-----Original Message-----
From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]On
Behalf Of Ken Burchfield
Sent: Sunday, September 07, 2008 7:22 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Phased Gap Challengers question

[Non-text portions of this message have been removed]

5822. Re: loop results

Yahoo group: ham-antennas (2008)
Date: 2008-09-09 15:02:25 UTC
From: gadzooks.mike
Topic: 5816 Message: 5822

What kind of loops are you uing, David? I'm interested in hearing some details. Sounds like what I need for listening on my old DX-160!

--- In ham-antennas@yahoogroups.com, "DAVID" <dhamilton1@...> wrote:
>
> seems i have done all i can to get the loops performing to their best
> from in my attic. i have just received a nigerian low powered pirate
> on 917 khz here in scotland. i have some trouble from the spannish
> station on 918 khz but i managed to get it
> http://www.youtube.com/watch?v=COhBuVaa7RQ
> its over 3600 miles away from scotland so not too bad for some wires
> in the attic. many thanks david
>

5823. Re: loop results

Yahoo group: ham-antennas (2008)
Date: 2008-09-09 19:05:27 UTC
From: DAVID
Topic: 5816 Message: 5823

--- In ham-antennas@yahoogroups.com, "gadzooks.mike"
<gadzooks.mike@...> wrote:
>
> What kind of loops are you uing, David? I'm interested in hearing some
> details. Sounds like what I need for listening on my old DX-160!

hi you can see my loops here
http://www.youtube.com/watch?v=2HPKXRM5NPo
great nulls on them and seem do be doing what they should ... many
thanks david

5824. Off topic - - - but really funny

Yahoo group: ham-antennas (2008)
Date: 2008-09-09 23:08:39 UTC
From: Bill Erfurth
Topic: 5824 Message: 5824

Bill Cosby has decided to run as a write-in candidate for President.

Take a look at the story over on http://zugreport.com

Bill

5825. Re: [ham-antennas] Off topic - - - but really funny

Yahoo group: ham-antennas (2008)
Date: 2008-09-09 23:58:06 UTC
From: Andy
Topic: 5824 Message: 5825

> Bill Cosby has decided to run as a write-in candidate for President.
>
> Take a look at the story over on http://zugreport.com

Of course it didn't come from Bill Cosby.

And the same list was circulating before, attributed to someone other than Dr. Cosby.

5826. intro and question

Yahoo group: ham-antennas (2008)
Date: 2008-09-10 16:46:54 UTC
From: alan
Topic: 5826 Message: 5826

hi my name is alan i live in ayrshire scotland and iam new to hf listening .i have a mfj 1020 active antenna it came with one coax lead but there are 2 entry points at the back of the antenna do i need another lead and if so where does it go thanks ....alan

5827. How can you put a antenna up

Yahoo group: ham-antennas (2008)
Date: 2008-09-11 00:45:23 UTC
From: Timothy Lee Greene
Topic: 5827 Message: 5827

How can I put a antenna up in a covend township
Tim N8UHG

5828. Re: [ham-antennas] How can you put a antenna up

Yahoo group: ham-antennas (2008)
Date: 2008-09-11 00:50:11 UTC
From: Leonard K. Pennock
Topic: 5827 Message: 5828

What bands?

Timothy Lee Greene wrote:
> How can I put a antenna up in a covend township
> Tim N8UHG
>
>
>
> ----------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 974 members (as of 11/07/07, and attachments are NOT permitted.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
--
Leonard K. Pennock
AD7AS

Those who walk bravely through life, unafraid of loss or failure,
find that they very rarely lose or fail.

5829. Re: [ham-antennas] How can you put a antenna up

Yahoo group: ham-antennas (2008)
Date: 2008-09-11 01:03:05 UTC
From: Timothy Lee Greene
Topic: 5827 Message: 5829

80-10

--- On Thu, 9/11/08, Leonard K. Pennock <leonardpennock@...> wrote:

From: Leonard K. Pennock <leonardpennock@...>
Subject: Re: [ham-antennas] How can you put a antenna up
To: ham-antennas@yahoogroups.com
Date: Thursday, September 11, 2008, 12:50 AM

What bands?

Timothy Lee Greene wrote:
> How can I put a antenna up in a covend township
> Tim N8UHG
>
>
>
> ---------- --------- --------- ------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 974 members (as of 11/07/07, and attachments are NOT permitted.
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> Unsubscribe: ham-antennas- unsubscribe@ yahoogroups. com
> List owner: ham-antennas- owner@yahoogroup s.com
> Yahoo! Groups Links
>
>
>
--
Leonard K. Pennock
AD7AS

Those who walk bravely through life, unafraid of loss or failure,
find that they very rarely lose or fail.

[Non-text portions of this message have been removed]

5830. Re: [ham-antennas] How can you put a antenna up

Yahoo group: ham-antennas (2008)
Date: 2008-09-11 01:31:30 UTC
From: Steve Friis
Topic: 5827 Message: 5830

Timothy Lee Greene wrote:
> How can I put a antenna up in a covend township
> Tim N8UHG
>
>
>
Dig a big hole, put a tower in it and fill with concrete for a base. Now erect 500' of tower on this base. Use a crane and mount a BIG obnoxious antenna, no make that stacked arrays... OK so that won't work.

There is a really good book available through Amazon called "stealth antenna for the radio amateur" Has a lot of really cool ideas.

Sorry about the dig at the beginning... Just had to <G>

--
Steve Friis/ WM5Z
These are the humble ramblings of an old phart and in no way should they influence the actions of any intelligent and sane person.

5831. Re: [ham-antennas] How can you put a antenna up

Yahoo group: ham-antennas (2008)
Date: 2008-09-11 01:42:56 UTC
From: Leonard K. Pennock
Topic: 5827 Message: 5831

I'm going to assume you want clandestine stuff. Here are some options

1. Attic Antenna. I have a Alpha Delta DX-CC in my attic. The antenna is 80 foot long but I have it in a 70 foot area with about 5 foot on each end drooping. You could also lay this on the roof but the coils may be visible depending on you roof. Depending on your trees you could also hang it between a couple of trees but that would probably be too visible.

2. Ladder line feed random length doublet (ideal would be 135' though) with a trans match (Antenna tuner). Can be in the attic or on your roof. You can do this pretty clandestine on the roof if you use black 18 ga wire the only thing that will be at all visible is the ladder line. You can even lay it across the roof to form an inverted V. You can also bend the ends around to make a lazy Z if you need to in order to make it fit. By FCC regulation you can put a TV antenna on your roof that does not exceed 11' above the roof and the CCR can't do a thing unless they provide you free cable service. You can make your dipole the guy wires for the TV antenna as a inverted V.

3. A Flag pole antenna. You can even hide a conventional vertical inside a ray dome to make it look like a flag pole. But a piece of pipe with a SGC tuner at the base would work also.

4. A regular vertical where you lay it over when not in use.

5. A screwdriver antenna set up in the back yard with some ground wires laid along the ground. You could also do this in the attic or depending on your roof on the roof.

6. A Hamstick dipole. There is a set of plans on the internet for putting 3 bands on a electric box. You can raise it as needed or even put it in the attic.

7. A loop around the house under the eves of the roof.

Clandestine Antennas are fun, use some imagination and you can have a reasonable working setup.

Timothy Lee Greene wrote:
> 80-10
>
>
> --- On Thu, 9/11/08, Leonard K. Pennock <leonardpennock@...> wrote:
>
> From: Leonard K. Pennock <leonardpennock@...>
> Subject: Re: [ham-antennas] How can you put a antenna up

> To: ham-antennas@yahoogroups.com
> Date: Thursday, September 11, 2008, 12:50 AM
>
>
>
>
>
>
> What bands?
>
> Timothy Lee Greene wrote:
>> How can I put a antenna up in a covend township
>> Tim N8UHG
>>
>>
>>
>> ------------ --------- --------- ------
>>
>> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 974 members (as of 11/07/07, and attachments are NOT permitted.
>> Post message: ham-antennas@ yahoogroups. com
>> Subscribe: ham-antennas- subscribe@ yahoogroups. com
>> Unsubscribe: ham-antennas- unsubscribe@ yahoogroups. com
>> List owner: ham-antennas- owner@yahoogroup s.com
>> Yahoo! Groups Links
>>
>>
>>

--
Leonard K. Pennock
AD7AS

Those who walk bravely through life, unafraid of loss or failure,
find that they very rarely lose or fail.

5832. Re: [ham-antennas] How can you put a antenna up

Yahoo group: ham-antennas (2008)
Date: 2008-09-11 01:59:38 UTC
From: DRJVM@AOL.COM
Topic: 5827 Message: 5832

Do a google search on flag pole antenna's. They are easy to hide in them.

Joe

In a message dated 9/10/2008 8:31:57 P.M. Eastern Standard Time,
wm5z@... writes:

Timothy Lee Greene wrote:
> How can I put a antenna up in a covend township
> Tim N8UHG
>
>
>
Dig a big hole, put a tower in it and fill with concrete for a base. Now
erect 500' of tower on this base. Use a crane and mount a BIG obnoxious
antenna, no make that stacked arrays... OK so that won't work.

There is a really good book available through Amazon called "stealth
antenna for the radio amateur" Has a lot of really cool ideas.

Sorry about the dig at the beginning... Just had to <G>

--
Steve Friis/ WM5Z
These are the humble ramblings of an old phart and in no way should they
influence the actions of any intelligent and sane person.

**********Psssst...Have you heard the news? There's a new fashion blog,
plus the latest fall trends and hair styles at StyleList.com.
(http://www.stylelist.com/trends?ncid=aolsty00050000000014)

[Non-text portions of this message have been removed]

5833. Tennadoodle

Yahoo group: ham-antennas (2008)
Date: 2008-09-11 03:18:48 UTC
From: Tom
Topic: 5833 Message: 5833

Hi Hamtenna Group,

See another Tennadoodle at:

http://ph.groups.yahoo.com/group/ham-antennas/photos/view/f4ef?b=13

Cheers.

Tom
KE6YNH, 73
San Diego, CA

[Non-text portions of this message have been removed]

5834. 6/2 meter antenna

Yahoo group: ham-antennas (2008)
Date: 2008-09-11 03:52:55 UTC
From: SweetbritchesZme@aol.com
Topic: 5834 Message: 5834

I am trying to make an antenna for 2 and 6 meters for my rooftop on my home.

What I thought of first was to homebrew a rod 57 inches long with radials to match to use for both six meters FM and two meters FM just by feeding the coax to the rig in use. Would this work?

Next I figures i might be able to put up 2 antennas with a common feedpoint one rod 19 inches long and the other rod 54 inches long would this work or do I need 2 antennas fed with certain lengths of coax to present an open to the unused antenna?

I already have a 70 inch rod with matching radials used for my scanner up on my roof fed with 100 feet of RG 213 so I am just trying to modify my present antenna system for ham radio. Maybe I just need to put up 2 more runs of coax to a 3db gain 2 meter and a 54 inch 6 meter antenna but I really dont know which way to go
I hope this is enough info Many Thanks donna

**********Psssst...Have you heard the news? There's a new fashion blog, plus the latest fall trends and hair styles at StyleList.com. (http://www.stylelist.com/trends?ncid=aolsty00050000000014)

[Non-text portions of this message have been removed]

5835. My New EFHWA

Yahoo group: ham-antennas (2008)
Date: 2008-09-11 04:34:46 UTC
From: Mark Saunders, KJ7BS
Topic: 5835 Message: 5835

I've heard and read so many good things about the EFHWA that I had to play with one.

I have been testing my EFHWA for 40m in the inverted vee configuration with the apex at 30 feet. I like it. Compared to my vertical, it hears about 2 S-units better. On transmit AZ to IL a "solid 599" and AZ to PA a 579. I will be experimenting with the inverted L and sloper configurations in the coming weeks. Not time this weekend for antenna testing due the ARRL Southwestern Division Conference in Mesa, AZ (about an hour drive my Glendale). I'll be going afield with my son's high school Air Force JROTC corps Field Training Exercise (FTX). Sloper and inverted L testing then from Prescott, AZ.

Mark, KJ7BS
Glendale, AZ
Editor, The SKCC Centurion
Elecraft K2 S/N 0539
Fists # 2972 CC 1806
SKCC # 2240 C56 T20

MQFD # 128
QRP-ARCI # 12647
AZ ScQRPions

COGRC Emergency Communications

[Non-text portions of this message have been removed]

5836. Re: [ham-antennas] 6/2 meter antenna

Yahoo group: ham-antennas (2008)
Date: 2008-09-11 14:50:40 UTC
From: Steve Friis
Topic: 5834 Message: 5836

SweetbritchesZme@... wrote:
> I am trying to make an antenna for 2 and 6 meters for my rooftop on my home.
>
> What I thought of first was to homebrew a rod 57 inches long with radials to
> match to use for both six meters FM and two meters FM just by feeding the
> coax to the rig in use. Would this work?
>
> Next I figures i might be able to put up 2 antennas with a common feedpoint
> one rod 19 inches long and the other rod 54 inches long would this work or do
> I need 2 antennas fed with certain lengths of coax to present an open to the
> unused antenna?
>
> I already have a 70 inch rod with matching radials used for my scanner up on
> my roof fed with 100 feet of RG 213 so I am just trying to modify my present
> antenna system for ham radio. Maybe I just need to put up 2 more runs of
> coax to a 3db gain 2 meter and a 54 inch 6 meter antenna but I really dont know
> which way to go
> I hope this is enough info Many Thanks donna
>
>
>
>
What about doing like some of the commercial HF antenna do and use
traps? Maybe 19", a trap and finishing off with the top section to give
you 6 meters? The ground plane spokes can be interleaved 1/4 wave
elements, or treated like the vertical element, also with traps. Then
you would have your single feed antenna.

--
Steve Friis/ WM5Z
These are the humble ramblings of an old phart and in no way should they
influence the actions of any intelligent and sane person.

5837. Re: [ham-antennas] 6/2 meter antenna

Yahoo group: ham-antennas (2008)
Date: 2008-09-11 15:16:26 UTC
From: Earl Needham
Topic: 5834 Message: 5837

Steve Friis wrote:
> >
> What about doing like some of the commercial HF antenna do and use
> traps? Maybe 19", a trap and finishing off with the top section to give
> you 6 meters? The ground plane spokes can be interleaved 1/4 wave
> elements, or treated like the vertical element, also with traps. Then
> you would have your single feed antenna.

Another thing to remember -- a 5/8 wave 2-meter base-loaded antenna
works fairly well on 6 meters with no mods.

7 3
Earl

--
KD5XB -- Earl Needham
Clovis, New Mexico DM84jk
http://groups.yahoo.com/group/cw_bugs
Quoting from the Coast Guard: ZUT

AVG: No virus found in this outgoing message.
Checked by AVG - http://www.avg.com
Version: 8.0.169 / Virus Database: 270.6.20/1666 - Release Date: 9/11/2008 7:03 AM

[Non-text portions of this message have been removed]

5838. 20M Vert

Yahoo group: ham-antennas (2008)
Date: 2008-09-11 23:04:10 UTC
From: Richard Schmuke
Topic: 5838 Message: 5838

I just completed my 20M Vertical. It is a cage , 8 wire. It turned out to be only 13' 5" tall. I made it with PSK31 in mind.

SWR is as follows 14.0 to 14.26 1.2:1 , 14.26 to 14.47 1.3:1

Drawing at http://www.flickr.com/photos/kd0zz/2849656028/

It is in the yard now , I will complete the installation as soon as we get a frost to kill the chiggers.

Rich , Kd0zz

[Non-text portions of this message have been removed]

5839. Re: [ham-antennas] 20M Vert

Yahoo group: ham-antennas (2008)
Date: 2008-09-12 01:19:48 UTC
From: jerry
Topic: 5838 Message: 5839

hi richard
how are you feeding it ??
jerry

----- Original Message ----
From: Richard Schmuke <rdj@...>
To: ham-antennas@yahoogroups.com
Sent: Thursday, September 11, 2008 4:04:10 PM
Subject: [ham-antennas] 20M Vert

I just completed my 20M Vertical. It is a cage , 8 wire. It turned out to be only 13' 5" tall. I made it with PSK31 in mind.

SWR is as follows 14.0 to 14.26 1.2:1 , 14.26 to 14.47 1.3:1

Drawing at http://www.flickr. com/photos/ kd0zz/2849656028 /

It is in the yard now , I will complete the installation as soon as we get a frost to kill the chiggers.

Rich , Kd0zz

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

5840. RE: [ham-antennas] 20M Vert

Yahoo group: ham-antennas (2008)
Date: 2008-09-12 02:31:42 UTC
From: Richard Schmuke
Topic: 5838 Message: 5840

Jerry

Regular coax , short RG-8X run with 5 turn choke just under feed point.
After that 213 to shack. It is a fiberglass crappie pole from Bass Pro shop
with the thin top section removed. The top plate of polycarbonate has a ¼
hole in the center with a nylon bolt through the poly into a wooden 6☐
long wooden dowel with epoxy into the fishing rod. Two wires are 14ga copper
weld , the rest are 20ga copper. A ring of copper weld with the 8 wires
soldered to it on top and bottom. 12 radials spread to give a 50 ohm load.
Feed point will be 21 ft off the ground with a small tiltup. Tested at 6 ft
in driveway.

Rich

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On
Behalf Of jerry
Sent: Thursday, September 11, 2008 8:20 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] 20M Vert

hi richard
how are you feeding it ??
jerry

----- Original Message ----
From: Richard Schmuke <rdj@... <mailto:rdj%40wildblue.net> >
To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
Sent: Thursday, September 11, 2008 4:04:10 PM
Subject: [ham-antennas] 20M Vert

I just completed my 20M Vertical. It is a cage , 8 wire. It turned out to
be only 13' 5" tall. I made it with PSK31 in mind.

SWR is as follows 14.0 to 14.26 1.2:1 , 14.26 to 14.47 1.3:1

Drawing at http://www.flickr. com/photos/ kd0zz/2849656028 /

It is in the yard now , I will complete the installation as soon as we get
a frost to kill the chiggers.

Rich , Kd0zz

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

5841. Re: [ham-antennas] 20M Vert

Yahoo group: ham-antennas (2008)
Date: 2008-09-12 05:18:01 UTC
From: jerry
Topic: 5838 Message: 5841

ok thanks so it is a short quarterwave the way i read your feeding instructions thanks i may try it too
jerry

----- Original Message ----
From: Richard Schmuke <rdj@...>
To: ham-antennas@yahoogroups.com
Sent: Thursday, September 11, 2008 7:31:42 PM
Subject: RE: [ham-antennas] 20M Vert

Jerry

Regular coax , short RG-8X run with 5 turn choke just under feed point.
After that 213 to shack. It is a fiberglass crappie pole from Bass Pro shop
with the thin top section removed. The top plate of polycarbonate has a ?
hole in the center with a nylon bolt through the poly into a wooden 6?
long wooden dowel with epoxy into the fishing rod. Two wires are 14ga copper
weld , the rest are 20ga copper. A ring of copper weld with the 8 wires
soldered to it on top and bottom. 12 radials spread to give a 50 ohm load.
Feed point will be 21 ft off the ground with a small tiltup. Tested at 6 ft
in driveway.

Rich

From: ham-antennas@ yahoogroups. com [mailto:ham-antennas@ yahoogroups. com] On
Behalf Of jerry
Sent: Thursday, September 11, 2008 8:20 PM
To: ham-antennas@ yahoogroups. com
Subject: Re: [ham-antennas] 20M Vert

hi richard
how are you feeding it ??
jerry

----- Original Message ----
From: Richard Schmuke <rdj@wildblue. net <mailto:rdj% 40wildblue. net> >
To: ham-antennas@ yahoogroups. com <mailto:ham- antennas% 40yahoogroups. com>
Sent: Thursday, September 11, 2008 4:04:10 PM
Subject: [ham-antennas] 20M Vert

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Rich , Kd0zz

[Non-text portions of this message have been removed]

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[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

5842. Hy-Gain (MFJ) TH3JR parts

Yahoo group: ham-antennas (2008)
Date: 2008-09-12 07:25:46 UTC
From: vk2pws
Topic: 5842 Message: 5842

Hi All,
All I have heard and read about Hy-Gain being so slow responding to emails and delivering orders etc, is there another method or place where I can obtain the TH3JRS Plastics Kit so that I can rebuild the beam? So far it seems (here in VK) nobody stocks this stuff, they say order from Hy-Gain or we will order it for you but it will take time, so any suggestions would be helpful. I hope I dont have to end up buying a new antenna!
73's
Wayne VK2PWS

5843. RE: [ham-antennas] 20M Vert

Yahoo group: ham-antennas (2008)
Date: 2008-09-12 12:38:18 UTC
From: Richard Schmuke
Topic: 5838 Message: 5843

Correct , when I first made it I used the standard formula for length and had to keep trimming it until I brought the SWR into range. Radials as std length.
One quick note, on first build I used old CD's as the inter spacers, they did not hold up in the weather so I cut up a sheet of acrylic for window repair and used 6mm polycarbonate for the end plates that take the tension load when the wind blows.
Rich

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of jerry

ok thanks so it is a short quarterwave the way i read your feeding instructions thanks i may try it too
jerry

----- Original Message ----

Jerry

Regular coax , short RG-8X run with 5 turn choke just under feed point.
After that 213 to shack. It is a fiberglass crappie pole from Bass Pro shop with the thin top section removed. The top plate of polycarbonate has a ¼ hole in the center with a nylon bolt through the poly into a wooden 6☐ long wooden dowel with epoxy into the fishing rod. Two wires are 14ga copper weld , the rest are 20ga copper. A ring of copper weld with the 8 wires soldered to it on top and bottom. 12 radials spread to give a 50 ohm load.
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Rich

Behalf Of jerry
Sent: Thursday, September 11, 2008 8:20 PM

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Drawing at http://www.flickr. com/photos/ kd0zz/2849656028 /

It is in the yard now , I will complete the installation as soon as we get a frost to kill the chiggers.

Rich , Kd0zz

[Non-text portions of this message have been removed]

5844. Inverted L ??

Yahoo group: ham-antennas (2008)
Date: 2008-09-12 19:39:38 UTC
From: mason_fann
Topic: 5844 Message: 5844

I wanted to run something by everyone for advise. I have a Yaesu FT-101 and MFJ Versa Tuner II that I am trying to get a decent antenna strung up on. die to space and yard layout it's probably going to have to be an end fed of some kind. Here's where I'm at:

until yesterday I had about 40' of 12 gauge insulated stranded run from about 40' high in a tree back to the eve of the house around 12' high. there it was soldered to the center conductor of RG213 coax that goes through the wall into the the shack in the basement. terminated in a PL-259. I could never get the SWR below about 8:1. Been reading up on long/random wires and inverted L's. decided to trim it down some to see if I could tune it. I cut it down to roughly 33' on the horizontal so I can use it on 10,20 and 40 meters. Spliced a ground wire into the shielding outside the house before it enters the wall and bound it to the chain link fence rail with a hose clamp. Checked SWR and no change. thought maybe my feedline was too long or too close to one of the "magic" lengths that it shouldn't be. So I cut about 3' off it, including the connector. Stripped off the dielectric and shielding and connected the center conductor to the "wire" post on the Tuner, according to the manual. Immediately the SWR dropped to about 1.6, and I couldn't really get it too tune up any better w/out further trimming. Didn't matter because the bands are dead anyway and it was cloudy/raining at my QTH so I couldn't do anything anyway.

Here's my concern. Another HAM at work thinks there is going to be a lot of RF in the shack due to just using the center conductor at the tuner. He thinks there needs to be some kind of radials somewhere or the PL-259 replaced so the feedline is shielded with the coax back to the tuner. I've read up on L's and long wires in the ARRL Antenna handbook and various sources on the web and can't find anything that proves either of us right or wrong. I'm thinking that since the braid IS grounded to the fence rail that the shielding effects should apply to the entire length of the feedline. He thinks that it only covers from the point the ground wire is connected to the feed point with the horizontal. Can anyone maybe clear this up one way or another? Sorry this is kind of long. I'm still a fairly new HAM and trying to sort out all the details. Thanks.

Mas
K0MAS

5845. FW: [ham-antennas] 20M Vert

Yahoo group: ham-antennas (2008)
Date: 2008-09-13 13:19:32 UTC
From: Richard Schmuke
Topic: 5845 Message: 5845

When I posted my note the first time there was a problem with the link to the drawing. Now it should be OK.

http://www.flickr.com/photos/kd0zz/2849656028/

I just completed my 20M Vertical. It is a cage , 8 wire. It turned out to be only 13' 5" tall. I made it with PSK31 in mind. It is very wideband.

SWR is as follows 14.0 to 14.26 1.2:1 , 14.26 to 14.47 1.3:1

Regular coax , short RG-8X run with 5 turn choke just under feed point.
After that 213 to shack. It is a fiberglass crappie pole from Bass Pro shop
with the thin top section removed. The top plate of polycarbonate has a ¼
hole in the center with a nylon bolt through the poly into a wooden 6☐
long wooden dowel with epoxy into the fishing rod. Two wires are 14ga copper
weld , the rest are 20ga copper. A ring of copper weld with the 8 wires
soldered to it on top and bottom. 12 radials spread to give a 50 ohm load.
Feed point will be 21 ft off the ground using a small tilt-up. Tested at 6
ft
in driveway.

Rich , Kd0zz

5846. Another TennaDoodle

Yahoo group: ham-antennas (2008)
Date: 2008-09-13 19:17:48 UTC
From: Tom
Topic: 5846 Message: 5846

Hi HamTenna Group,

See another TennaDoodle at:

http://ph.groups.yahoo.com/group/ham-antennas/photos/view/f4ef?b=14

Cheers.

Tom
KE6YNH, 73
San Diego, CA

[Non-text portions of this message have been removed]

5847. Re: Inverted L ??

Yahoo group: ham-antennas (2008)
Date: 2008-09-14 01:01:56 UTC
From: Randy McKenzie
Topic: 5844 Message: 5847

Komas:

My first thought is the fence and posts are probably not that great a ground. I would be really surprised if they are less then a few hundred ohms to true ground. I know on several of my commercial sites we have numerous ground rods and cable loops in decent soil and these will be around a few ohms....a fence post concreted in and only several inches down wont compare to a 10-12 ft ground rod.....

I also have been exploring long wires and end fed designs. One option you might explore is connect your long wire to the crest of your roof and take off out into your tree. Then attach a second wire to the shield and run it back over the crest of your roof to the other end of the roof, making a "counterpoise"

Ive explored the lengths on my house and a 48ft counterpoise and a 113 ft long wire looks possible - until the wife sees it anyway!

Ive also pondered about the feedline being ladder wire instead of coax. Might be something to look at.

Feeding any end fed design is always a issue and some books even say its NOT really very good no matter what you do. Funny how thats how most of the early antennas were!

Maybe that helps....

Randy
KK4EJ

I'm thinking that since the braid
> IS grounded to the fence rail that the shielding effects should apply
> to the entire length of the feedline. He thinks that it only covers
> from the point the ground wire is connected to the feed point with
the
> horizontal. Can anyone maybe clear this up one way or another? Sorry
> this is kind of long. I'm still a fairly new HAM and trying to sort
> out all the details. Thanks.
>
> Mas
> K0MAS
>

5848. Re: [ham-antennas] Re: Inverted L ??

Yahoo group: ham-antennas (2008)
Date: 2008-09-14 03:32:30 UTC
From: Steve Friis
Topic: 5844 Message: 5848

> Funny how thats how > most of the early antennas were!
>
>
> Randy
> KK4EJ
>
>
>
You don't suppose the burn marks on the lips from RF had anything to do
with change? ;-)

--
Steve Friis/ WM5Z
These are the humble ramblings of an old phart and in no way should they
influence the actions of any intelligent and sane person.

5849. Re: [SPAM]Re: [ham-antennas] Re: barn roof

Yahoo group: ham-antennas (2008)
Date: 2008-09-14 04:18:31 UTC
From: Wayne
Topic: 5663 Message: 5849

Evidently you missed the real test where it was proved that even a box of cell phones could not pop a kernal of corn?
I saw such a test, maybe Mythbiusters, and it proved that the Youtube thing was a fraud.
Plenty of that going around nowadays.
the lowest power microwave ovens are at least 300 watts, average small units being 500 or more.
Have you ever really looked at a Magnetron? Rather bulky, and with a good sized heat sink.
Oh, I forgot to mention, I used to hold a commercial phone, and have repaired many microwave ovens as well.
And I started learning electronics before the transistor came out in the early 50's.
take some time and look at Snopes dot com for facts instead of simply believing everything you see on places like Youtube dot com.

Wayne WA2YNE

On Tue, 02 Sep 2008 12:46:45 -0500, Steve Friis <wm5z@...> wrote:

> Here's the difference. At AM frequencies, say 1000KHz, our bodies are
> .006% of 1 wavelength. One wavelength being 984 feet approximately. At
> the lowest TV band, TV-channel 2 of 56 MHz, our bodies are close to a
> 1/4 wavelength. It gets worse. If the TV transmitter is operating on one
> of the UHF bands, then our bodies are several wavelengths long, and
> absorb higher amounts of the RF field.
>
> I saw a demmonstration on utube once where the collage kids popped
> popcorn with their cell phones. If a cell phone with maybe 200 MW of
> power can do that kind of damage, what do you think a transmitter with
> an ERP of 100,000 watts can do?
>
> I wonder if some of my health problems are because I spent many years in
> the transmitter shack when I was younger.

--
Using Opera's revolutionary e-mail client: http://www.opera.com/mail/

5850. Re: [SPAM]Re: [ham-antennas] Re: barn roof

Yahoo group: ham-antennas (2008)
Date: 2008-09-14 06:18:35 UTC
From: jerry
Topic: 5663 Message: 5850

hi wayne
as a retire physics teacher in my opinion the power of a cell phone if focused properly could do damage, look at the small energy used in a pencil laser and it can be quite dangerous to soft tissue,
jerry

----- Original Message ----
From: Wayne <wa2yne@...>
To: ham-antennas@yahoogroups.com
Sent: Saturday, September 13, 2008 9:18:31 PM
Subject: Re: [SPAM]Re: [ham-antennas] Re: barn roof

  Evidently you missed the real test where it was proved that even a box of cell phones could not pop a kernal of corn?
  I saw such a test, maybe Mythbiusters, and it proved that the Youtube thing was a fraud.
  Plenty of that going around nowadays.
  the lowest power microwave ovens are at least 300 watts, average small units being 500 or more.
  Have you ever really looked at a Magnetron? Rather bulky, and with a good sized heat sink.
  Oh, I forgot to mention, I used to hold a commercial phone, and have repaired many microwave ovens as well.
  And I started learning electronics before the transistor came out in the early 50's.
  take some time and look at Snopes dot com for facts instead of simply believing everything you see on places like Youtube dot com.

  Wayne WA2YNE

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> the lowest TV band, TV-channel 2 of 56 MHz, our bodies are close to a
> 1/4 wavelength. It gets worse. If the TV transmitter is operating on one
> of the UHF bands, then our bodies are several wavelengths long, and
> absorb higher amounts of the RF field.
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> power can do that kind of damage, what do you think a transmitter with
> an ERP of 100,000 watts can do?
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> I wonder if some of my health problems are because I spent many years in
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--
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[Non-text portions of this message have been removed]

5851. Re: [SPAM]Re: [ham-antennas] Re: barn roof

Yahoo group: ham-antennas (2008)
Date: 2008-09-14 09:48:02 UTC
From: Prasad Agrahar
Topic: 5663 Message: 5851

Jerry, Wayne,

The Youtube video was made by a maker of Bluetooth headsets and they admitted their handiwork in a TV interview. They were trying to scare people into buying bluetooth headsets. The interview was aired by most major networks. Cell phones can not do any damage, however long term/extended effect of exposure to cell phone radiation is still unproven. Medical experts suggest that young kids must not be given cell phones due to fears of damage to their developing brain. This was shown in another TV report recently.

-AB3EH

----- Original Message ----
From: jerry <wi7f@...>
To: ham-antennas@yahoogroups.com
Sent: Sunday, September 14, 2008 2:18:35 AM
Subject: Re: [SPAM]Re: [ham-antennas] Re: barn roof

hi wayne
as a retire physics teacher in my opinion the power of a cell phone if focused properly could do damage, look at the small energy used in a pencil laser and it can be quite dangerous to soft tissue,
jerry

----- Original Message ----
From: Wayne <wa2yne@...>
To: ham-antennas@yahoogroups.com
Sent: Saturday, September 13, 2008 9:18:31 PM
Subject: Re: [SPAM]Re: [ham-antennas] Re: barn roof

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Plenty of that going around nowadays.
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And I started learning electronics before the transistor came out in the early 50's.
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Wayne WA2YNE

On Tue, 02 Sep 2008 12:46:45 -0500, Steve Friis <wm5z@...> wrote:

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> .006% of 1 wavelength. One wavelength being 984 feet approximately. At
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> of the UHF bands, then our bodies are several wavelengths long, and
> absorb higher amounts of the RF field.
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> I saw a demmonstration on utube once where the collage kids popped
> popcorn with their cell phones. If a cell phone with maybe 200 MW of
> power can do that kind of damage, what do you think a transmitter with
> an ERP of 100,000 watts can do?
>
> I wonder if some of my health problems are because I spent many years in
> the transmitter shack when I was younger.

--
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Yahoo! Groups Links

[Non-text portions of this message have been removed]

5852. Re: [SPAM]Re: [ham-antennas] Re: barn roof

Yahoo group: ham-antennas (2008)
Date: 2008-09-14 10:13:42 UTC
From: Prasad Agrahar
Topic: 5663 Message: 5852

Here is the link to the interview
http://www.cnn.com/video/#/video/tech/2008/07/09/carroll.cellphone.popcorn.cnn

----- Original Message ----
From: Prasad Agrahar <ad_prasad@...>
To: ham-antennas@yahoogroups.com
Sent: Sunday, September 14, 2008 5:48:02 AM
Subject: Re: [SPAM]Re: [ham-antennas] Re: barn roof

Jerry, Wayne,

The Youtube video was made by a maker of Bluetooth headsets and they admitted their handiwork in a TV interview. They were trying to scare people into buying bluetooth headsets. The interview was aired by most major networks. Cell phones can not do any damage, however long term/extended effect of exposure to cell phone radiation is still unproven. Medical experts suggest that young kids must not be given cell phones due to fears of damage to their developing brain. This was shown in another TV report recently.

-AB3EH

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To: ham-antennas@yahoogroups.com
Sent: Sunday, September 14, 2008 2:18:35 AM
Subject: Re: [SPAM]Re: [ham-antennas] Re: barn roof

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From: Wayne <wa2yne@...>
To: ham-antennas@yahoogroups.com
Sent: Saturday, September 13, 2008 9:18:31 PM
Subject: Re: [SPAM]Re: [ham-antennas] Re: barn roof

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> of the UHF bands, then our bodies are several wavelengths long, and
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>
> I wonder if some of my health problems are because I spent many years in
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[Non-text portions of this message have been removed]

5853. Re: Inverted L ??

Yahoo group: ham-antennas (2008)
Date: 2008-09-14 16:24:31 UTC
From: Randy McKenzie
Topic: 5844 Message: 5853

Nah, RF burns to those guys was a sign of a true experimentor!

Explaining how the burns are on their lips might be interesting....

I think the test for a Extra Ham should be solder on a PL259 (
correctly) and make a dipole or J pole antenna!

Randy
KK4EJ
Proud of a few RF burns, but none on the lips!
If you are soldering wires and dont burn yourself, then your iron
isnt hot enough!

--- In ham-antennas@yahoogroups.com, Steve Friis <wm5z@...> wrote:
>
> > Funny how thats how > most of the early antennas were!
> >
> >
> > Randy
> > KK4EJ
> >
> >
> >
> You don't suppose the burn marks on the lips from RF had anything
to do
> with change? ;-)
>
> --
> Steve Friis/ WM5Z
> These are the humble ramblings of an old phart and in no way
should they
> influence the actions of any intelligent and sane person.
>

5854. Re: [ham-antennas] Re: Inverted L ??

Yahoo group: ham-antennas (2008)
Date: 2008-09-14 16:29:15 UTC
From: Earl Needham
Topic: 5844 Message: 5854

Randy McKenzie wrote:
>
> Nah, RF burns to those guys was a sign of a true experimentor!
>
> Explaining how the burns are on their lips might be interesting....

I've had a few, mostly when I was a new ham and didn't think to ground
anything, anywhere!

> I think the test for a Extra Ham should be solder on a PL259 (
> correctly) and make a dipole or J pole antenna!

Better yet, build a grounded-grid amplifier -- IF you can find a source
for the tubes!

> Randy
> KK4EJ
> Proud of a few RF burns, but none on the lips!
> If you are soldering wires and dont burn yourself, then your iron
> isnt hot enough!

Does it count if you drop the iron and melt through the top of your
computer mouse? <G>

7 3
Earl

--
KD5XB -- Earl Needham
Clovis, New Mexico DM84jk
http://groups.yahoo.com/group/cw_bugs
Quoting from the Coast Guard: ZUT

5855. Re: [ham-antennas] Re: Inverted L ??

Yahoo group: ham-antennas (2008)
Date: 2008-09-14 16:47:48 UTC
From: Steve Friis
Topic: 5844 Message: 5855

Earl Needham wrote:
> Randy McKenzie wrote:
>> Nah, RF burns to those guys was a sign of a true experimentor!
>>
>> Explaining how the burns are on their lips might be interesting....
>
> I've had a few, mostly when I was a new ham and didn't think to ground
> anything, anywhere!
>
>> I think the test for a Extra Ham should be solder on a PL259 (
>> correctly) and make a dipole or J pole antenna!
>
> Better yet, build a grounded-grid amplifier -- IF you can find a source
> for the tubes!
>
>> Randy
>> KK4EJ
>> Proud of a few RF burns, but none on the lips!
>> If you are soldering wires and dont burn yourself, then your iron
>> isnt hot enough!
>
> Does it count if you drop the iron and melt through the top of your
> computer mouse? <G>
>
> 7 3
> Earl
>
All of the above counts... LOL... Hi Earl...

On extra class, I think it just might be a sign of the times again.

Many are not using soldering irons any more. Now they use propane or butane and battery powered things. But I remember my foster father soldering with this big thing he heated up with an alcohol torch. Then had to get the soldering done before it cooled to much to melt solder. He even soldered together chassis when he was building his own transmitters and receivers. You know, he only had two peices of test equipment. A wave meter or grid dip oscillator and a simpson VOM. Seems the ohm meter always had a dead battery and he would "borrow" the one out of the silver flashlight. Oh, those were the days. The smell of rosin, burning rubber insulation and ..... flesh!

--
Steve Friis/ WM5Z
These are the humble ramblings of an old phart and in no way should they influence the actions of any intelligent and sane person.

5856. Re: [SPAM]Re: [ham-antennas] Re: barn roof

Yahoo group: ham-antennas (2008)
Date: 2008-09-14 17:11:59 UTC
From: Phil Bader
Topic: 5663 Message: 5856

At a cellular level,(no pun) inside the mitacondria, being so delicate, what's to say one slight variation of DNA could do serious changes .
RF can do this.
Philip Bader
Polk County School Board
Intercom & Fire Alarm Electronics Systems Tech
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakelandarc.org/
pbader@...

----- Original Message -----
From: jerry
To: ham-antennas@yahoogroups.com
Sent: Sunday, September 14, 2008 2:18 AM
Subject: Re: [SPAM]Re: [ham-antennas] Re: barn roof

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jerry

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From: Wayne <wa2yne@...>
To: ham-antennas@yahoogroups.com
Sent: Saturday, September 13, 2008 9:18:31 PM
Subject: Re: [SPAM]Re: [ham-antennas] Re: barn roof

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Plenty of that going around nowadays.
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Have you ever really looked at a Magnetron? Rather bulky, and with a good sized heat sink.
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> .006% of 1 wavelength. One wavelength being 984 feet approximately. At
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> I wonder if some of my health problems are because I spent many years in
> the transmitter shack when I was younger.

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Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

[Non-text portions of this message have been removed]

No virus found in this incoming message.
Checked by AVG - http://www.avg.com
Version: 8.0.169 / Virus Database: 270.6.21/1670 - Release Date: 9/13/2008 12:50 PM

[Non-text portions of this message have been removed]

5857. Q: How-to model antennas for beginners and end-fed report

Yahoo group: ham-antennas (2008)
Date: 2008-09-14 19:52:31 UTC
From: RBB
Topic: 5857 Message: 5857

Greetings group:
The 21m end fed wire I put up is working quite well on 40 and 20. I also made a twin-lead fed dipole with a total length of 10m; it too loads up from 40-10. Built an Arnie Coro 7m sloper and waiting to hang that, too. Bands are lousy, but can't complain: the end fed wire (inverted U shape), has some directivity and work into Washington State and Oregon quite well. On 30m with the qrp rig lots of fun, again, despite conditions.

I can load it up on 80, too, but here in Mexico the band is shared and there just isn't too much on Ham-wise on the CW part of the spectrum.

Now, my question: I want to learn how to use antenna model software, from scratchl a real step-by-step guide and a program suggestion. Something a person with a college education can follow, but that does not assume an engineering background. Something I can run on this Windows Xp machine or on my Ubuntu linux laptop.

thanks,
Roberto "Rob" Barnard
XE1GXG
WB7AVF

_____
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[Non-text portions of this message have been removed]

5858. Re: Inverted L ??

Yahoo group: ham-antennas (2008)
Date: 2008-09-14 21:07:31 UTC
From: mason_fann
Topic: 5844 Message: 5858

Well the three vertical fence posts nearest where I have it clamped on are just bare metal about 12" into the soil. No concrete. I was too lazy to do that part! ;) The fence itself also connects to about 6 other backyards of chain link fencing. There's probably a couple thousand feet worth all together.

I do like your idea about the counterpoise along the roof live. I could probably do something like that along the underside of the eve since I actually have it it tied off at the back side of the house on the corner and not the ridge line of the roof.

RE: ladder line for feeding. Yeah, I been thinking about that too, but I have a couple hundred feet of the RG213 I got for $10 from a coworker so I was trying to be cheap again.

Hopefully the weather has cleared up around here for a few days so I can do some more tinkering. We have at least 2 tornadoes blow through the area friday night!

K0MAS

--- In ham-antennas@yahoogroups.com, "Randy McKenzie" <kk4ej@...> wrote:
>
> Komas:
>
> My first thought is the fence and posts are probably not that great a
> ground. I would be really surprised if they are less then a few
> hundred ohms to true ground. I know on several of my commercial sites
> we have numerous ground rods and cable loops in decent soil and these
> will be around a few ohms....a fence post concreted in and only
> several inches down wont compare to a 10-12 ft ground rod.....
>
> I also have been exploring long wires and end fed designs. One option
> you might explore is connect your long wire to the crest of your roof
> and take off out into your tree. Then attach a second wire to the
> shield and run it back over the crest of your roof to the other end of
> the roof, making a "counterpoise"
>
> Ive explored the lengths on my house and a 48ft counterpoise and a 113
> ft long wire looks possible - until the wife sees it anyway!
>
> Ive also pondered about the feedline being ladder wire instead of
> coax. Might be something to look at.
>
> Feeding any end fed design is always a issue and some books even say
> its NOT really very good no matter what you do. Funny how thats how

> most of the early antennas were!
>
> Maybe that helps....
>
> Randy
> KK4EJ
>
>
> I'm thinking that since the braid
> > IS grounded to the fence rail that the shielding effects should apply
> > to the entire length of the feedline. He thinks that it only covers
> > from the point the ground wire is connected to the feed point with
> the
> > horizontal. Can anyone maybe clear this up one way or another? Sorry
> > this is kind of long. I'm still a fairly new HAM and trying to sort
> > out all the details. Thanks.
> >
> > Mas
> > K0MAS
> >
>

5859. Re: [ham-antennas] Q: How-to model antennas for beginners and end-fed report

Yahoo group: ham-antennas (2008)
Date: 2008-09-14 22:43:43 UTC
From: Mel Farrer
Topic: 5857 Message: 5859

Hello Roberto,

Glad you have had good luck with the antennas you have. As a long time user of EZNEC, I personally can recommend it. I have the PRO version for business. The manual is quite good and straight forward. It does take getting used to using everything in a 3 D format, that is X,Y, & Z. The examples are good at letting you see how things work. I might also recommend the following site for a great tutorial and many, many examples from my good SK friend Cebik. http://www.cebik.com/.

When you get started, and if you have any questions, just drop me a line. Glad to help.

Mel K6KBE

--- On Sun, 9/14/08, RBB <barnardbaca@....mx> wrote:
From: RBB <barnardbaca@...>
Subject: [ham-antennas] Q: How-to model antennas for beginners and end-fed report
To: ham-antennas@yahoogroups.com
Date: Sunday, September 14, 2008, 12:52 PM

Greetings group:

The 21m end fed wire I put up is working quite well on 40 and 20. I

also made a twin-lead fed dipole with a total length of 10m; it too

loads up from 40-10. Built an Arnie Coro 7m sloper and waiting to hang

that, too. Bands are lousy, but can't complain: the end fed wire

(inverted U shape), has some directivity and work into Washington State

and Oregon quite well. On 30m with the qrp rig lots of fun, again,

despite conditions.

I can load it up on 80, too, but here in Mexico the band is shared and

there just isn't too much on Ham-wise on the CW part of the spectrum.

Now, my question: I want to learn how to use antenna model software,

from scratchl a real step-by-step guide and a program suggestion.

Something a person with a college education can follow, but that does

not assume an engineering background. Something I can run on this

Windows Xp machine or on my Ubuntu linux laptop.

thanks,

Roberto "Rob" Barnard

XE1GXG

WB7AVF

---------- --------- --------- --------- --------- --

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[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

5860. Re: Q: How-to model antennas for beginners and end-fed report

Yahoo group: ham-antennas (2008)
Date: 2008-09-15 02:12:07 UTC
From: Roberto Baca Barnard
Topic: 5857 Message: 5860

Thanks, Mel.

-- In ham-antennas@yahoogroups.com, Mel Farrer <farrerfolks@...> wrote:
>
> Hello Roberto,
>
> Glad you have had good luck with the antennas you have. As a long
time user of EZNEC, I personally can recommend it. I have the PRO
version for business. The manual is quite good and straight
forward. It does take getting used to using everything in a 3 D
format, that is X,Y, & Z. The examples are good at letting you see
how things work. I might also recommend the following site for a
great tutorial and many, many examples from my good SK friend Cebik.
http://www.cebik.com/.
>
> When you get started, and if you have any questions, just drop me a
line. Glad to help.
>
> Mel K6KBE
>
> --- On Sun, 9/14/08, RBB <barnardbaca@...> wrote:
> From: RBB <barnardbaca@...>
> Subject: [ham-antennas] Q: How-to model antennas for beginners and
end-fed report
> To: ham-antennas@yahoogroups.com
> Date: Sunday, September 14, 2008, 12:52 PM
>
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>
> Greetings group:
>
> The 21m end fed wire I put up is working quite well on 40 and 20. I
>
> also made a twin-lead fed dipole with a total length of 10m; it too
>

> loads up from 40-10. Built an Arnie Coro 7m sloper and waiting to hang
>
> that, too. Bands are lousy, but can't complain: the end fed wire
>
> (inverted U shape), has some directivity and work into Washington State
>
> and Oregon quite well. On 30m with the qrp rig lots of fun, again,
>
> despite conditions.
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>
> I can load it up on 80, too, but here in Mexico the band is shared and
>
> there just isn't too much on Ham-wise on the CW part of the spectrum.
>
>
>
> Now, my question: I want to learn how to use antenna model software,
>
> from scratchl a real step-by-step guide and a program suggestion.
>
> Something a person with a college education can follow, but that does
>
> not assume an engineering background. Something I can run on this
>
> Windows Xp machine or on my Ubuntu linux laptop.
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>
>
> thanks,
>
> Roberto "Rob" Barnard
>
> XE1GXG
>
> WB7AVF
>
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>
> ---------- --------- --------- --------- --------- --
>
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> [Non-text portions of this message have been removed]
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> [Non-text portions of this message have been removed]
>

5861. Re: Inverted L ??

Yahoo group: ham-antennas (2008)
Date: 2008-09-15 18:33:22 UTC
From: John
Topic: 5844 Message: 5861

Soldering iron burns! Wow, how terrible. One time I picked up a nice little iron with a pistol grip handle. For some reason with the pistol grop I would lay my forefinger along side the barrel of the "gun". Resulting in a permanent blister on my right fore finger. Also I have in my tool drawer my Grandfather's iron, a big copper head with a long shank and wood handle. Heat it up on one of those old gasoline blow torches (that was what the hook on the old torches was used for.) and there was nothing better for running a long seam in a home built chassis.

Us, old geezers have a hard life now anyway. As components got smaller our eye balls got weaker. (how can you read a color code when all the colorss look the same?) Then those disk caps with some strange code printed on them that seem to vary with the country of origin.

Then there was my home built regen with plug in coils and B+ was something like 250 volts D.C. Changing plug in coils in the dark (when I was supposed to be in bed asleep) was a real adventure.

OH for the Good Ole Days with the blue flicker of the mercury vapor rectifier tubes. The warm red glow of the other filiments and the smell of scorched skin filling the air of the shack.

John Meacham
DE K6SUF

5862. Re: Inverted L ??

Yahoo group: ham-antennas (2008)
Date: 2008-09-15 19:30:11 UTC
From: Tom Horne
Topic: 5844 Message: 5862

Earl
That build a tube amplifier suggestion is an example of why there is so
much disrespect aimed at the old guard in radio. The idea that anyone
would be required to know antique technology to obtain a license is so
truly transparent a case of "back in the day" thinking that I don't see
were you got the unmitigated arrogance to utter it. Why don't you just
say what you really want. 25 wpm Genuine Morse code; no international
radio telegraph code allowed of course; copied from a sounder with a
Prince Albert tobacco can resonator or get out of the hobby. Get A Grip OM.
--
Tom Horne, W3TDH

> 1b. Re: Inverted L ??
> <http://groups.yahoo.com/group/ham-antennas/message/5854;_ylc=X3oDMTJyNmZqbHRoBF9TAzk3Mz
U5NzE1BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAM1ODU0BHNlYwNkbXNnBHNsawN2bXNn
BHN0aW1lAzEyMjE0OTY5MTM->
>
>
> Posted by: "Earl Needham" needhame1@...
> <mailto:needhame1@...?Subject=%20Re%3A%20Inverted%20L%20%3F%3F>
> earl_needham <http://profiles.yahoo.com/earl_needham>
>
>
> Sun Sep 14, 2008 9:28 am (PDT)
>
> Randy McKenzie wrote:
> >
> > Nah, RF burns to those guys was a sign of a true experimentor!
> >
> > Explaining how the burns are on their lips might be interesting....
>
> I've had a few, mostly when I was a new ham and didn't think to
> ground
> anything, anywhere!
>
> > I think the test for a Extra Ham should be solder on a PL259 (
> > correctly) and make a dipole or J pole antenna!
>
> Better yet, build a grounded-grid amplifier -- IF you can find a
> source
> for the tubes!
>
> > Randy
> > KK4EJ
> > Proud of a few RF burns, but none on the lips!

> > If you are soldering wires and dont burn yourself, then your iron
> > isnt hot enough!
>
> Does it count if you drop the iron and melt through the top of your
> computer mouse? <G>
>
> 7 3
> Earl
>
> --
> KD5XB -- Earl Needham
> Clovis, New Mexico DM84jk
> http://groups.yahoo.com/group/cw_bugs
> <http://groups.yahoo.com/group/cw_bugs>
> Quoting from the Coast Guard: ZUT
>

[Non-text portions of this message have been removed]

5863. stationmaster

Yahoo group: ham-antennas (2008)
Date: 2008-09-15 19:28:45 UTC
From: Glen
Topic: 5863 Message: 5863

hello,

I need some help taking apart a high band stationmaster (21' 6" long).
150-160Mhz

I have successfully removed (unsoldered) the brass top and removed the three
flathead
screws at the base, but it does not budge. I see two Allen head bolts about
6.5"
deep on the bottom of the aluminum tube inside. Have not removed them, do
not have
a tool that can reach them.

Any ideas?

Thanks,

Glen K4KV
Moultrie, GA

5864. Re: [ham-antennas] Re: Inverted L ??

Yahoo group: ham-antennas (2008)
Date: 2008-09-15 19:40:31 UTC
From: Andy
Topic: 5844 Message: 5864

> My first thought is the fence and posts are probably not that great a
> ground. I would be really surprised if they are less then a few
> hundred ohms to true ground.

This may rub some people the wrong way, but in my opinion the "true ground" isn't important; and anyway, ground is far overrated when it comes to RF.

Think of the chain link fence as the counterpoise; the other (formerly missing) half of the dipole. If it is an effective counterpoise, then it won't need a connection to actual ground at all; and in many cases it works better without one (since the connection to ground introduces a loss element to your antenna).

On the other hand, the fact that the chain link fence does go into actual earth, means that it may introduce that loss element, so getting the resistance down would help, as far as improving antenna efficiency is concerned. It'll work if you don't; it'll probably work better if you do.

> Here's my concern. Another HAM at work thinks there is going to be a
> lot of RF in the shack due to just using the center conductor at the
> tuner.

I think he's right.

> I'm thinking that since the braid
> IS grounded to the fence rail that the shielding effects should apply
> to the entire length of the feedline.

The problem isn't shielding. It is providing a path for the current output from your rig ... the VersaTuner. There ought to be equal but opposite currents on its output terminals, both leading in the direction of your antenna. Right now you've got something connected to only one of the terminals, so the current that wants to go out the other terminal will need to find another path to try to "complete the path." It might force RF currents into any other wire near your rig, the power wires, mic cable, etc., and all of them will radiate and could cause RF "hot spots."

I don't know if it's enough to cause "a lot of RF in the shack," but it is definitely not the way it ought to be.

It also changes your antenna a lot, so be prepared for it to markedly alter the SWR.

Andy

5865. Re: [ham-antennas] stationmaster

Yahoo group: ham-antennas (2008)
Date: 2008-09-15 20:22:06 UTC
From: N0ATH
Topic: 5863 Message: 5865

I use those long T handle Allen wrenches - those two screws go
thru a pair of races if you will - one is an internal taper and the
other an external taper - with the screws loosened you can move
the rings up and down and that is how you adjust the SWR - I think
the lower (physically) you set them the lower the freq it resonates.
It has been a long time since I worked on one of them - but with
them loose it should slide out of the tube - be careful not to bend
the lower tube inward as it will be hard to get apart if you do - Mine
was thrown from the top of a 400 foot tower and I had to cut off a
couple of inches that were bent and it was border line on freq after
that - Dave / N?ATH 73 & gud luk

----- Original Message -----
From: "Glen" <k4kv@...>
To: "ham antennas" <ham-antennas@yahoogroups.com>
Sent: Monday, September 15, 2008 2:28 PM
Subject: [ham-antennas] stationmaster

hello,

I need some help taking apart a high band stationmaster (21' 6" long).
150-160Mhz

I have successfully removed (unsoldered) the brass top and removed the three
flathead
screws at the base, but it does not budge. I see two Allen head bolts about
6.5"
deep on the bottom of the aluminum tube inside. Have not removed them, do
not have
a tool that can reach them.

Any ideas?

Thanks,

Glen K4KV
Moultrie, GA

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Checked by AVG - http://www.avg.com
Version: 8.0.169 / Virus Database: 270.6.21/1672 - Release Date: 9/15/2008 9:21 AM

5866. BB-6W CLONE ANTENNA

Yahoo group: ham-antennas (2008)
Date: 2008-09-15 20:37:47 UTC
From: iz6jho
Topic: 5866 Message: 5866

Hi, I to build a clone of Diamond BB-6W antenna, but I don't have idea about balun to use: I think that don't is a unun 9:1 because SWR diagram is strange (resistor?)
specs here: http://ftp.qrz.ru/pub/hamradio/antenna/diamond/BB6W.pdf

5868. Re: [ham-antennas] Re: Inverted L ??

Yahoo group: ham-antennas (2008)
Date: 2008-09-15 21:14:26 UTC
From: Earl Needham
Topic: 5844 Message: 5868

Tom Horne wrote:
>
> Earl
> That build a tube amplifier suggestion is an example of why there is so
> much disrespect aimed at the old guard in radio. The idea that anyone
> would be required to know antique technology to obtain a license is so
> truly transparent a case of "back in the day" thinking that I don't see
> were you got the unmitigated arrogance to utter it. Why don't you just
> say what you really want. 25 wpm Genuine Morse code; no international
> radio telegraph code allowed of course; copied from a sounder with a
> Prince Albert tobacco can resonator or get out of the hobby. Get A Grip OM.
> --
> Tom Horne, W3TDH

Geez Tom, chill out! It was all meant as a slightly sarcastic joke,
OK? Having you attack me like this is certainly what I expect from some
amateur radio op who should know the Amateur's Code -- or has that
disappeared, too?

7 3 & get a grip for both of us, OK?
Earl

--
KD5XB -- Earl Needham
Clovis, New Mexico DM84jk
http://groups.yahoo.com/group/cw_bugs
Quoting from the Coast Guard: ZUT

5869. Re: [ham-antennas] Re: Inverted L ??

Yahoo group: ham-antennas (2008)
Date: 2008-09-15 21:21:44 UTC
From: Earl Needham
Topic: 5844 Message: 5869

I wrote:
<snip>
> Having you attack me like this is certainly what I expect
<snip>

Ah -- make that NOT what I expect...

Earl

--
KD5XB -- Earl Needham
Clovis, New Mexico DM84jk
http://groups.yahoo.com/group/cw_bugs
Quoting from the Coast Guard: ZUT

5870. Re: [ham-antennas] Re: Inverted L ??

Yahoo group: ham-antennas (2008)
Date: 2008-09-15 21:41:21 UTC
From: Steve Friis
Topic: 5844 Message: 5870

Tom Horne wrote:
> Earl
> That build a tube amplifier suggestion is an example of why there is so
> much disrespect aimed at the old guard in radio. The idea that anyone
> would be required to know antique technology to obtain a license is so
> truly transparent a case of "back in the day" thinking that I don't see
> were you got the unmitigated arrogance to utter it. Why don't you just
> say what you really want. 25 wpm Genuine Morse code; no international
> radio telegraph code allowed of course; copied from a sounder with a
> Prince Albert tobacco can resonator or get out of the hobby. Get A Grip OM.
> --
> Tom Horne, W3TDH
>
>
LOL... I can't help but laugh at your reply Tom. That was great, except
the antique technology part. Now you really made me feel ... OLD!...
Really really old... cuz I cut my eyeteeth on empty state. Oh well...
This is all in fun, right?

--
Steve Friis/ WM5Z
These are the humble ramblings of an old phart and in no way should they
influence the actions of any intelligent and sane person.

5871. Re: Inverted L/Extra Test

Yahoo group: ham-antennas (2008)
Date: 2008-09-15 22:27:03 UTC
From: Richard Schmuke
Topic: 5844 Message: 5871

Chill out guys , I see some good points in knowing about an amp , building a J-Pole and other things beyond ordering from a catalog. Everyone cannot be a big enough nut to build their own variable capacitors Ref picture at (http://www.flickr.com/photos/kd0zz/2180189909) and I have my cheap J-Pole their also. I think it is a good idea to have some amount of knowing how things work. Many today pass a test then never pick up that soldering iron , or go on to know how to solder that PL-259.

Rich , Kd0zz

(getting to be an old phart)

Tom Horne wrote:
> Earl
> That build a tube amplifier suggestion is an example of why there is so
> much disrespect aimed at the old guard in radio. The idea that anyone
> would be required to know antique technology to obtain a license is so
> truly transparent a case of "back in the day" thinking that I don't see
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OM.
> --
> Tom Horne, W3TDH
>
>
LOL... I can't help but laugh at your reply Tom. That was great, except the antique technology part. Now you really made me feel ... OLD!... Really really old... cuz I cut my eyeteeth on empty state. Oh well... This is all in fun, right?

--
Steve Friis/ WM5Z
These are the humble ramblings of an old phart and in no way should they influence the actions of any intelligent and sane person.

[Non-text portions of this message have been removed]

5872. Re: [ham-antennas] Re: Inverted L/Extra Test

Yahoo group: ham-antennas (2008)
Date: 2008-09-15 22:56:42 UTC
From: Troy Wideman
Topic: 5844 Message: 5872

Rich, very nice craftsmanship! Wish I had the equipment to build a capacitor like that!

Troy, W6HV (already an old one)

From: "Richard Schmuke" <rdj@...>
Sent: Monday, September 15, 2008 3:27 PM
To: <ham-antennas@yahoogroups.com>
Subject: [ham-antennas] Re: Inverted L/Extra Test

>
>
> Chill out guys , I see some good points in knowing about an amp ,
> building
> a J-Pole and other things beyond ordering from a catalog. Everyone cannot
> be
> a big enough nut to build their own variable capacitors Ref picture at (
> http://www.flickr.com/photos/kd0zz/2180189909) and I have my cheap
> J-Pole
> their also. I think it is a good idea to have some amount of knowing how
> things work. Many today pass a test then never pick up that soldering iron
> ,
> or go on to know how to solder that PL-259.
>
>
>
> Rich , Kd0zz
>
> (getting to be an old phart)
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>
> Tom Horne wrote:
>> Earl
>> That build a tube amplifier suggestion is an example of why there is so
>> much disrespect aimed at the old guard in radio. The idea that anyone
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>> Prince Albert tobacco can resonator or get out of the hobby. Get A Grip
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>> --
>> Tom Horne, W3TDH
>>
>>
> LOL... I can't help but laugh at your reply Tom. That was great, except
> the antique technology part. Now you really made me feel ... OLD!...
> Really really old... cuz I cut my eyeteeth on empty state. Oh well...
> This is all in fun, right?
>
> --
> Steve Friis/ WM5Z
> These are the humble ramblings of an old phart and in no way should they
> influence the actions of any intelligent and sane person.
>
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>
> [Non-text portions of this message have been removed]
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> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
> to ALL 974 members (as of 11/07/07, and attachments are NOT permitted.
> Post message: ham-antennas@yahoogroups.com
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> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
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5873. Re: [ham-antennas] Re: Inverted L ??

Yahoo group: ham-antennas (2008)
Date: 2008-09-15 23:56:28 UTC
From: DVC3565@aol.com
Topic: 5844 Message: 5873

Tom:
Wow! Talk about a "flame!" Don't see any malice in either Randy or Earl's posts. I do notice they have "old" Advanced class calls. Maybe that has something to do with your "comment." I don't know, AND I am not going to flame you either. But not knowing your age, how long you have been in the hobby, OR anything about you other than you had a KB3 call prior to your acquiring the W3TDH call.
I don't want, nor expect the code requirement to ever come back.
However I am ALL for reinstating the requirement of being a licensed ham for 5 years BEFORE you can even test for extra.
YOU act like a fairly new ham that got his extra without paying his hobby dues, OR his practical factors. Could be wrong, and I might be. But 29 years in Law Enforcement have taught me how to profile and categorize people. If I am wrong, I KNOW I will hear back from you. IF I am RIGHT, I won't hear from you.
As always: A LID is a LID! Don't take it so personal. I didn't see anything in their comments that warranted such an ignorant, personal attack on either one of them. THAT'S one of the main problems with the hobby today.
Grow up, send me an E-mail, and lets discuss making a POSITIVE for our hobby. Instead of being another always "negative" person. I am glad for you that you got your THEORY part of the extra license. But you need a lot of work on the "practical" part. An becoming an ambassador for the hobby. Reread the Amateur code. NOT Morse code.
Just the facts! No personal attack meant or intended. Hope to work you on the air sometime Tom.

73,

Dave-KJ4PF

**********Psssst...Have you heard the news? There's a new fashion blog, plus the latest fall trends and hair styles at StyleList.com.
(http://www.stylelist.com/trends?ncid=aolsty00050000000014)

[Non-text portions of this message have been removed]

5874. RE: SO-239 antenna

Yahoo group: ham-antennas (2008)
Date: 2008-09-16 00:14:38 UTC
From: Richard Schmuke
Topic: 5874 Message: 5874

Don

I have a picture of one I made plus plans for a cheap J-Pole at
http://www.flickr.com/photos/kd0zz/2240209044 , if more info is needed
e-mail ne

Rich Kd0zz

From: Don Rand [mailto:drand@...]
Sent: Monday, September 15, 2008 6:19 PM
To: rdj@...
Subject: SO-239 antenna

Where can I find the plans/measurements for the 2m 1/4 wave ground plane
antenna.

Thanks in advance

Don

KA5DON

[Non-text portions of this message have been removed]

5875. RE: [ham-antennas] Re: Inverted L/Extra Test

Yahoo group: ham-antennas (2008)
Date: 2008-09-16 00:25:16 UTC
From: Richard Schmuke
Topic: 5844 Message: 5875

Thanks Troy but not much is needed , note the extra holes on the plates. You bolt the parts together and trim the outside with a file. It is made with threaded rod and store bought spacers. I enjoy making things. Check out the rack for my radios and the handy carry case for the FT-2800 , all made from plastic shelf scrap from the dumpster behind a strip mall. It is bolted together with 6-32 screws , handles for the FT-2800 tote cost the most , a buck each at the local surplus store.

Rich , Kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Troy Wideman
Sent: Monday, September 15, 2008 5:57 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: Inverted L/Extra Test

Rich, very nice craftsmanship! Wish I had the equipment to build a capacitor

like that!

Troy, W6HV (already an old one)

From: "Richard Schmuke" <rdj@... <mailto:rdj%40wildblue.net> >
Sent: Monday, September 15, 2008 3:27 PM
To: <ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com> >
Subject: [ham-antennas] Re: Inverted L/Extra Test

>
>
> Chill out guys , I see some good points in knowing about an amp ,
> building
> a J-Pole and other things beyond ordering from a catalog. Everyone cannot
> be
> a big enough nut to build their own variable capacitors Ref picture at (
> http://www.flickr.com/photos/kd0zz/2180189909) and I have my cheap
> J-Pole
> their also. I think it is a good idea to have some amount of knowing how
> things work. Many today pass a test then never pick up that soldering iron

> ,
> or go on to know how to solder that PL-259.
>
>
>
> Rich , Kd0zz
>

> (getting to be an old phart)
>
>
>
>
>
>
>
>
>
> Tom Horne wrote:
>> Earl
>> That build a tube amplifier suggestion is an example of why there is so
>> much disrespect aimed at the old guard in radio. The idea that anyone
>> would be required to know antique technology to obtain a license is so
>> truly transparent a case of "back in the day" thinking that I don't see
>> were you got the unmitigated arrogance to utter it. Why don't you just
>> say what you really want. 25 wpm Genuine Morse code; no international
>> radio telegraph code allowed of course; copied from a sounder with a
>> Prince Albert tobacco can resonator or get out of the hobby. Get A Grip
> OM.
>> --
>> Tom Horne, W3TDH
>>
>>
> LOL... I can't help but laugh at your reply Tom. That was great, except
> the antique technology part. Now you really made me feel ... OLD!...
> Really really old... cuz I cut my eyeteeth on empty state. Oh well...
> This is all in fun, right?
>
> --
> Steve Friis/ WM5Z
> These are the humble ramblings of an old phart and in no way should they
> influence the actions of any intelligent and sane person.
>
>
>
>
>
> [Non-text portions of this message have been removed]
>
>
> ----------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go

> to ALL 974 members (as of 11/07/07, and attachments are NOT permitted.
> Post message: ham-antennas@yahoogroups.com
<mailto:ham-antennas%40yahoogroups.com>
> Subscribe: ham-antennas-subscribe@yahoogroups.com

<mailto:ham-antennas-subscribe%40yahoogroups.com>
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
<mailto:ham-antennas-unsubscribe%40yahoogroups.com>
> List owner: ham-antennas-owner@yahoogroups.com
<mailto:ham-antennas-owner%40yahoogroups.com>
> Yahoo! Groups Links
>
>
>

[Non-text portions of this message have been removed]

5876. Re: [ham-antennas] RE: SO-239 antenna

Yahoo group: ham-antennas (2008)
Date: 2008-09-16 00:35:33 UTC
From: Don Rand
Topic: 5874 Message: 5876

Rich,

That's where I saw it. I had seen it somewhere else, but seeing yours reminded me that I would like the plans.

I also looked at the J-pole.

Thanks and if possible, the plans for the SO-239.

Don

----- Original Message -----
From: Richard Schmuke
To: 'Don Rand' ; ham-antennas@yahoogroups.com
Sent: Monday, September 15, 2008 7:14 PM
Subject: [ham-antennas] RE: SO-239 antenna

Don

I have a picture of one I made plus plans for a cheap J-Pole at
http://www.flickr.com/photos/kd0zz/2240209044 , if more info is needed
e-mail ne

Rich Kd0zz

From: Don Rand [mailto:drand@...]
Sent: Monday, September 15, 2008 6:19 PM
To: rdj@...
Subject: SO-239 antenna

Where can I find the plans/measurements for the 2m 1/4 wave ground plane
antenna.

Thanks in advance

Don

KA5DON

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

5877. Re: [ham-antennas] Re: Inverted L/Extra Test

Yahoo group: ham-antennas (2008)
Date: 2008-09-16 00:53:46 UTC
From: Troy Wideman
Topic: 5844 Message: 5877

Checked all out as you suggested. Enjoyed the "visit". I like to build my stuff also. Used to build everything for the shack back in the '50,s. I just might tackle the capacitor--I need a 500 pf variable at 10 KV or so.

Troy, W6HV

From: "Richard Schmuke" <rdj@...>
Sent: Monday, September 15, 2008 5:25 PM
To: <ham-antennas@yahoogroups.com>
Subject: RE: [ham-antennas] Re: Inverted L/Extra Test

> Thanks Troy but not much is needed , note the extra holes on the plates.
> You
> bolt the parts together and trim the outside with a file. It is made with
> threaded rod and store bought spacers. I enjoy making things. Check out
> the
> rack for my radios and the handy carry case for the FT-2800 , all made
> from
> plastic shelf scrap from the dumpster behind a strip mall. It is bolted
> together with 6-32 screws , handles for the FT-2800 tote cost the most , a
> buck each at the local surplus store.
>
>
>
> Rich , Kd0zz

5878. RE: SO-239 antenna

Yahoo group: ham-antennas (2008)
Date: 2008-09-16 01:46:45 UTC
From: Richard Schmuke
Topic: 5874 Message: 5878

Well I will try , I make things per □SWAG□*** and then adjust as required .

The vertical and radials should be about 19 ¼ inches , they are made from welding rod , go to your local shop and see if you can buy a couple of 3/32 or 1/16 heliarc rod in 17-7 or 17-4. They are SS , 17-7 has a good spring to it , 17-4 almost as good, without heat treating. They may have 321 , 316 303/304 SS welding rod but they will not spring back straight like the 17-7. They come 36□ in length. If you can□t find them go to your local hobby shop and get spring wire or drill rod. Also if you look at the bottom you will see a short piece of brass tubing that supports the SS as it joins the SO-239 ,it got that at the hobby shop. I would not advise you trying to dill the lower section and installing a thinner top part like I did unless you have good drill bits and a steady hand. The SS rod is a little hard to drill down the center unless you are used to it. I have also made a couple of them out of 14 copperweld , not as pretty but it worked.

The radials were bent to get the set up at 50ohms and a good SWR (about 45 degree)

SWAG is □scientific wild ass guess□

Rich,

That's where I saw it. I had seen it somewhere else, but seeing yours reminded me that I would like the plans.

I also looked at the J-pole.

Thanks and if possible, the plans for the SO-239.

Don

I have a picture of one I made plus plans for a cheap J-Pole at http://www.flickr.com/photos/kd0zz/2240209044 , if more info is needed e-mail ne

Where can I find the plans/measurements for the 2m 1/4 wave ground plane antenna.

Thanks in advance

Don

KA5DON

[Non-text portions of this message have been removed]

5879. Re: [ham-antennas] Re: Inverted L/Extra Test

Yahoo group: ham-antennas (2008)
Date: 2008-09-16 01:49:08 UTC
From: Steve Friis
Topic: 5844 Message: 5879

Richard Schmuke wrote:
>
>
> Chill out guys , I see some good points in knowing about an amp , building
> a J-Pole and other things beyond ordering from a catalog. Everyone cannot be
> a big enough nut to build their own variable capacitors Ref picture at (
> http://www.flickr.com/photos/kd0zz/2180189909) and I have my cheap J-Pole
> their also. I think it is a good idea to have some amount of knowing how
> things work. Many today pass a test then never pick up that soldering iron ,
> or go on to know how to solder that PL-259.
>
>
I have a lot of Ham friends. Some build their own equipment, some
struggle to just put up an antenna. I appreciate even the ones that
struggle to open the box the radio comes in. But, those are the guys
that are willing to go out, in the freezing, pouring blowing rain, get
soaked to the bone, suffer frost-bite to do a search and rescue mission,
and don't even hesitate at 3 in the morning. These are the guys that
will make sure my kids are all right after the flood, tornado or forest
fire. I'll be there for them to fix their stuff because they are there
when I need them.

How about you?

--
Steve Friis/ WM5Z
These are the humble ramblings of an old phart and in no way should they
influence the actions of any intelligent and sane person.

5880. RE: [ham-antennas] Re: Inverted L/Extra Test

Yahoo group: ham-antennas (2008)
Date: 2008-09-16 02:30:58 UTC
From: Richard Schmuke
Topic: 5844 Message: 5880

Subject: Re: [ham-antennas] Re: Inverted L/Extra Test

Richard Schmuke wrote:
>
>
> Chill out guys , I see some good points in knowing about an amp , building
> a J-Pole and other things beyond ordering from a catalog. Everyone cannot
be
> a big enough nut to build their own variable capacitors Ref picture at (
> http://www.flickr.com/photos/kd0zz/2180189909) and I have my cheap J-Pole
> their also. I think it is a good idea to have some amount of knowing how
> things work. Many today pass a test then never pick up that soldering iron
,
> or go on to know how to solder that PL-259.
>
>
I have a lot of Ham friends. Some build their own equipment, some
struggle to just put up an antenna. I appreciate even the ones that
struggle to open the box the radio comes in. But, those are the guys
that are willing to go out, in the freezing, pouring blowing rain, get
soaked to the bone, suffer frost-bite to do a search and rescue mission,
and don't even hesitate at 3 in the morning. These are the guys that
will make sure my kids are all right after the flood, tornado or forest
fire. I'll be there for them to fix their stuff because they are there
when I need them.

How about you?

--
Steve Friis/ WM5Z
These are the humble ramblings of an old phart and in no way should they
influence the actions of any intelligent and sane person

Steve , it takes all kinds and we can support each other. I can't climb any
more but I always do what I can. We have guys in our group that will work
hard when needed. I love to build , some just operate , put it all together
it makes the world go around.

Rich , Kd0zz Out in the sticks with the hicks and the ticks.

PS: I love your Post Scriptum

.

[Non-text portions of this message have been removed]

5881. Re: [ham-antennas] RE: SO-239 antenna

Yahoo group: ham-antennas (2008)
Date: 2008-09-16 03:18:37 UTC
From: Don Rand
Topic: 5874 Message: 5881

Thanks Rich.

Exactly what I was looking for. I had the measurement formulas, but I didn't know what metals to be looking for.

Don

[Non-text portions of this message have been removed]

5882. Re: BB-6W CLONE ANTENNA

Yahoo group: ham-antennas (2008)
Date: 2008-09-16 12:10:47 UTC
From: iz6jho
Topic: 5866 Message: 5882

thank You!!!

5883. Re: [ham-antennas] Re: Inverted L ??

Yahoo group: ham-antennas (2008)
Date: 2008-09-16 13:51:11 UTC
From: BILL
Topic: 5844 Message: 5883

Tom Horne, W3TDH said
Earl That build a tube amplifier suggestion is an example of why there is so much disrespect aimed at the old guard in radio. The idea that anyone would be required to know antique technology to obtain a license is so truly transparent a case of "back in the day" thinking that I don't see were you got the unmitigated arrogance to utter it. Why don't you just say what you really want. 25 wpm Genuine Morse code; no international radio telegraph code allowed of course; copied from a sounder with a Prince Albert tobacco can resonator or get out of the hobby. Get A Grip OM.

Bit Scathing, Tom, and although I see where you're coming from,

surely the HOBBY is big enough to accomodate all ?

Yes, the ' old guard ' have moaned incessantly about ' dumbing down '

and ' death of amateur radio ' and various assorted rubbish of that sort,

I think it's far better to bring the old guard (gently) into the 21st century, just

as I think it's the ' elmers ' job to guide new licencees in to ' proper '

amateur radio procedures and practices.

Just my thoughts.

" ALWAYS LOOK FOR THE PLAW IN THE FLAN "

BILL HARDIE

GM6RGY

[Non-text portions of this message have been removed]

5884. Re: [ham-antennas] Re: Inverted L/Extra Test

Yahoo group: ham-antennas (2008)
Date: 2008-09-16 13:57:37 UTC
From: Earl Needham
Topic: 5844 Message: 5884

Steve Friis wrote:
<snip>
> I have a lot of Ham friends. Some build their own equipment, some
> struggle to just put up an antenna. I appreciate even the ones that
> struggle to open the box the radio comes in. But, those are the guys
> that are willing to go out, in the freezing, pouring blowing rain, get
> soaked to the bone, suffer frost-bite to do a search and rescue mission,
> and don't even hesitate at 3 in the morning. These are the guys that
> will make sure my kids are all right after the flood, tornado or forest
> fire. I'll be there for them to fix their stuff because they are there
> when I need them.

I LIKE that, Steve!

7 3
Earl

--
KD5XB -- Earl Needham
Clovis, New Mexico DM84jk
http://groups.yahoo.com/group/cw_bugs
Quoting from the Coast Guard: ZUT

5885. Re: Inverted L ??

Yahoo group: ham-antennas (2008)
Date: 2008-09-16 15:06:57 UTC
From: William Trippett
Topic: 5844 Message: 5885

Boy I don't know what circles you run in but "disrespect for the oldtimers" is not common in the circles I have run in for the last 50 years. There are many of us who are very interested in hands on building. Many have led the way in developiong new techniques for use of old gear. My 4-1000A is an exmaple. When I converted it to AB1 with grid drive I installed a homebrew dynamic biasing network using a drain follower. Many of my old timer friends even have such things as PhDs in antenna design and fields and still hang on the some venerable old equipment. The reality is that it is these old timers who have led the way into the modern era with many of them developing the digital based systems we all have come to love and use. Next week one of those old timers (a retired professor of electrical engineering) will testify for me in a PRD-1 hearing on the communication limitations of low height regulations.

So if anything the old timers need to be honored with the respect they deserve, which is enormous.

73s
Bill
W7VP --- In ham-antennas@yahoogroups.com, Tom Horne <hornetd@...>
wrote:
>
> Earl
> That build a tube amplifier suggestion is an example of why there
is so
> much disrespect aimed at the old guard in radio. The idea that
anyone
> would be required to know antique technology to obtain a license is
so
> truly transparent a case of "back in the day" thinking that I
don't see
> were you got the unmitigated arrogance to utter it. Why don't you
just
> say what you really want. 25 wpm Genuine Morse code; no
international
> radio telegraph code allowed of course; copied from a sounder with
a
> Prince Albert tobacco can resonator or get out of the hobby. Get A
Grip OM.
> --
> Tom Horne, W3TDH
>
>
> > 1b. Re: Inverted L ??

> > <http://groups.yahoo.com/group/ham-
antennas/message/5854;_ylc=X3oDMTJyNmZqbHRoBF9TAzk3MzU5NzE1BGdycElkAzE
yMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAM1ODU0BHNlYwNkbXNnBHNsawN2b
XNnBHN0aW1lAzEyMjE0OTY5MTM->
> >
> >
> > Posted by: "Earl Needham" needhame1@...
> > <mailto:needhame1@...?Subject=%20Re%3A%20Inverted%20L%
20%3F%3F>
> > earl_needham <http://profiles.yahoo.com/earl_needham>
> >
> >
> > Sun Sep 14, 2008 9:28 am (PDT)
> >
> > Randy McKenzie wrote:
> > >
> > > Nah, RF burns to those guys was a sign of a true
experimentor!
> > >
> > > Explaining how the burns are on their lips might be
interesting....
> >
> > I've had a few, mostly when I was a new ham and didn't think
to
> > ground
> > anything, anywhere!
> >
> > > I think the test for a Extra Ham should be solder on a
PL259 (
> > > correctly) and make a dipole or J pole antenna!
> >
> > Better yet, build a grounded-grid amplifier -- IF you can
find a
> > source
> > for the tubes!
> >
> > > Randy
> > > KK4EJ
> > > Proud of a few RF burns, but none on the lips!
> > > If you are soldering wires and dont burn yourself, then
your iron
> > > isnt hot enough!
> >
> > Does it count if you drop the iron and melt through the top
of your
> > computer mouse? <G>
> >
> > 7 3
> > Earl
> >

> > --
> > KD5XB -- Earl Needham
> > Clovis, New Mexico DM84jk
> > http://groups.yahoo.com/group/cw_bugs
> > <http://groups.yahoo.com/group/cw_bugs>
> > Quoting from the Coast Guard: ZUT
> >
>
>
> [Non-text portions of this message have been removed]
>

5886. end fed dipole

Yahoo group: ham-antennas (2008)
Date: 2008-09-16 15:29:03 UTC
From: alan
Topic: 5886 Message: 5886

hi group
would it be ok to end feed a dipole for hf i was thinking of using
heavy coax for the run into the reciever just a thought

5887. Re: [ham-antennas] end fed dipole

Yahoo group: ham-antennas (2008)
Date: 2008-09-16 15:38:08 UTC
From: Earl Needham
Topic: 5886 Message: 5887

alan wrote:
>
> hi group
> would it be ok to end feed a dipole for hf i was thinking of using
> heavy coax for the run into the reciever just a thought

If you're thinking of end-feeding a half/wave wire, the impedance will be VERY high -- but I suspect it will work if you can find a way to match it to your feed line. A much easier way to do this is a quarter-wave length of wire -- you might not even need a tuner with that.

Hey Alan, include your callsign in your emails so we can watch for you on the air!

7 3
Earl

--
KD5XB -- Earl Needham
Clovis, New Mexico DM84jk
http://groups.yahoo.com/group/cw_bugs
Quoting from the Coast Guard: ZUT

5888. Re: Inverted L ??

Yahoo group: ham-antennas (2008)
Date: 2008-09-16 15:45:35 UTC
From: mason_fann
Topic: 5844 Message: 5888

Andy, thanks for not launching into a tirade about knowing how to use a soldering iron or not and giving some input on my antenna situation. BTW: I have 3 and burnt myself numerous times over the years working on guitars, amps and effect pedals. *ahem*

back on topic of my question:

I'll add that the versa tuner is connected from it's ground lug to the ground lug on the FT-101 which has a 3-prong AC cable as well. This has always been this way. If this is not sufficient grounding I'm also welcome to advice there.

In regards to the SWR changes. Well yeah, as I said since connecting the braid to the fence line it went from the 8-9, or higher depending on frequency, range to a very usable 1.5-2 across the 10 meter band, which I could probably get even better with some more trimming on the antenna itself and the feedline.

>
> The problem isn't shielding. It is providing a path for the current output
> from your rig ... the VersaTuner. There ought to be equal but opposite
> currents on its output terminals, both leading in the direction of your
> antenna. Right now you've got something connected to only one of the
> terminals, so the current that wants to go out the other terminal will need
> to find another path to try to "complete the path." It might force RF
> currents into any other wire near your rig, the power wires, mic cable,
> etc., and all of them will radiate and could cause RF "hot spots."
>
> I don't know if it's enough to cause "a lot of RF in the shack," but it is
> definitely not the way it ought to be.
>
> It also changes your antenna a lot, so be prepared for it to markedly alter
> the SWR.
>
> Andy
>

5889. Re: end fed dipole

Yahoo group: ham-antennas (2008)
Date: 2008-09-16 16:10:54 UTC
From: Paul
Topic: 5886 Message: 5889

The antenna you refer to is commonly known as a "Zepp".

See: http://www.qsl.net/ta1dx/amator/practical_dipole_antenna.htm for construction details.

It's a great antenna.

Paul - K9ERG

--- In ham-antennas@yahoogroups.com, "alan" <wadavison@...> wrote:
>
> hi group
> would it be ok to end feed a dipole for hf i was thinking of using
> heavy coax for the run into the reciever just a thought
>

5890. Re: [ham-antennas] end fed dipole

Yahoo group: ham-antennas (2008)
Date: 2008-09-16 16:34:26 UTC
From: W DAVISON
Topic: 5886 Message: 5890

hi earl
i dont have a callsign yet as iam not on the air iam just recieving.....Alan

--- On Tue, 16/9/08, Earl Needham <needhame1@plateautel.net> wrote:

From: Earl Needham <needhame1@...>
Subject: Re: [ham-antennas] end fed dipole
To: ham-antennas@yahoogroups.com
Date: Tuesday, 16 September, 2008, 4:38 PM

alan wrote:
>
> hi group
> would it be ok to end feed a dipole for hf i was thinking of using
> heavy coax for the run into the reciever just a thought

If you're thinking of end-feeding a half/wave wire, the impedance will
be VERY high -- but I suspect it will work if you can find a way to
match it to your feed line. A much easier way to do this is a
quarter-wave length of wire -- you might not even need a tuner with that.

Hey Alan, include your callsign in your emails so we can watch for you
on the air!

7 3
Earl

--
KD5XB -- Earl Needham
Clovis, New Mexico DM84jk
http://groups. yahoo.com/ group/cw_ bugs
Quoting from the Coast Guard: ZUT

[Non-text portions of this message have been removed]

5891. Re: [ham-antennas] end fed dipole

Yahoo group: ham-antennas (2008)
Date: 2008-09-16 16:59:01 UTC
From: Earl Needham
Topic: 5886 Message: 5891

W DAVISON wrote:
>
>
> hi earl
> i dont have a callsign yet as iam not on the air iam just
> recieving.....Alan

Cool, Alan!

The information most of us give here is aimed at transmitting antennas
-- but receiving antennas benefit from the same things.

But if you're only receiving, you can put up almost anything and
receive SOMETHING. With the half-wave end-fed, just go ahead and
connect it and you will sure be surprised at what you hear.

7 3
Earl

--
KD5XB -- Earl Needham
Clovis, New Mexico DM84jk
http://groups.yahoo.com/group/cw_bugs
Quoting from the Coast Guard: ZUT

5892. Re: Inverted L ??

Yahoo group: ham-antennas (2008)
Date: 2008-09-16 17:27:26 UTC
From: Tom Horne
Topic: 5844 Message: 5892

Dave
Your right I'm afraid. I was rude, nasty, and my post was not in keeping with the attitude most took towards each other when I was first licensed. It seems to me that there is a mean streak in public discourse today and here I've gone and contributed to that meanness. So I apologize to every one on the list that I burdened with my ranting. I will make a commitment here and now to avoid making the bad worse in the future.

I was licensed as a novice back in 1975 or so. My call was WN6JCY until the FCC changed it to WA6JCY. I never did now why they did that. I built my first transmitter and a VFO to tune it. My first receiver was a lovingly used Hammarlund HQ-180-AC. I was it's third owner. The antenna was the copper flashing around the parapet of the church that I was the resident caretaker for because the elders would have been most put out by my putting up a wire antenna. That flashing worked amazingly well. I worked stations from Oregon to Florida. I suppose I could do those things again if there was a good reason but it would take me a lot of study to relearn circuits and techniques for which I would have no real use today. I do have fond memories of when you could warm your hands over the grill on top of your equipment and read the manual by the glow of it's tubes but I have no wish to go back to that equipment or to the techniques that were the state of the art at that time.

I got back into radio, a little over a year ago, to try to help my community prepare for emergencies. When I was first licensed almost every Ham I knew pitched in on that sort of thing but now many cannot be bothered. Since I don't believe in conscription I wouldn't want anyone to do what they have no interest in but why do some feel they need to attack others for having that as a focus of their radio lives. Why is someone destroying ham radio if they use digital techniques to get messages through. Why are Winlink users attacked as rich yacht owners for using a circuit that does not have a live control operator at both ends? If anyone knows were my yacht is I'll pay you a pretty good finders fee for letting me know. I will use any lawful technique that gets the traffic through. If it's not lawful to use automatic stations to handle traffic then why did the FCC reject the proposed rule that attempted to forbid it. And while I'm asking questions if a terminated folded dipole is such a joke, as some here have alleged, why are there so many of them in use world wide. Some folks here talk like giving up gain in order to obtain ease of use under adverse conditions is some form of sacrilege.
--
Tom Horne, W3TDH

> 1i. Re: Inverted L ??
> <http://groups.yahoo.com/group/ham-antennas/message/5873;_ylc=X3oDMTJyZG9yZ2ozBF9TAzk3MzU5NzE1BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAM1ODczBHNlYwNkbXNnBHNsawN2bXNnBHN0aW1lAzEyMjE1Nzc2MjM->
>
>
> Posted by: "DVC3565@..." DVC3565@...
> <mailto:DVC3565@...?Subject=%20Re%3A%20Inverted%20L%20%3F%3F>
> kj4pf <http://profiles.yahoo.com/kj4pf>
>
>
> Mon Sep 15, 2008 4:56 pm (PDT)
>
> Tom:
> Wow! Talk about a "flame!" Don't see any malice in either Randy or
> Earl's posts. I do notice they have "old" Advanced class calls.
> Maybe that has
> something to do with your "comment." I don't know, AND I am not
> going to flame
> you either. But not knowing your age, how long you have been in
> the hobby, OR
> anything about you other than you had a KB3 call prior to your
> acquiring the
> W3TDH call.
> I don't want, nor expect the code requirement to ever come back.
> However I am ALL for reinstating the requirement of being a
> licensed ham for 5
> years BEFORE you can even test for extra.
> YOU act like a fairly new ham that got his extra without paying his
> hobby dues, OR his practical factors. Could be wrong, and I might
> be. But 29
> years in Law Enforcement have taught me how to profile and
> categorize people. If
> I am wrong, I KNOW I will hear back from you. IF I am RIGHT, I
> won't hear
> from you.
> As always: A LID is a LID! Don't take it so personal. I didn't see
> anything in their comments that warranted such an ignorant,
> personal attack on
> either one of them. THAT'S one of the main problems with the hobby
> today.
> Grow up, send me an E-mail, and lets discuss making a POSITIVE for
> our hobby. Instead of being another always "negative" person. I am
> glad for you
> that you got your THEORY part of the extra license. But you need a
> lot of work
> on the "practical" part. An becoming an ambassador for the hobby.
> Reread the
> Amateur code. NOT Morse code.
> Just the facts! No personal attack meant or intended. Hope to work
> you on the air sometime Tom.

>
>
> 73,
>
> Dave-KJ4PF
>

[Non-text portions of this message have been removed]

5893. Re: Inverted L ??

Yahoo group: ham-antennas (2008)
Date: 2008-09-16 17:31:28 UTC
From: Tom Horne
Topic: 5844 Message: 5893

Earl
I'm an unrepentant EMCOMM trainee who expects to keep training until the day he dies. I'm just trying to learn the techniques that will be useful to my community if we ever get hit by anything as bad as Katrina. It's hard for me to see when I'm wrong at times just like anyone else. But my reply to your post was rude and boorish and I'm rotten sorry I typed it. It wasn't really about what you said. Your post was just the trip wire for a lot of frustration. I had just gotten broadsided by someone on another list for just mentioning the use of Winlink for EMCOMM. That certainly does not excuse my dumping on you so all I can say is I apologize. I regret my outburst very much.
--
Tom Horne, W3TDH

> 1d. Re: Inverted L ??
> <http://groups.yahoo.com/group/ham-antennas/message/5868;_ylc=X3oDMTJyY2J1OTkxBF9TAzk3MzU5NzE1BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAM1ODY4BHNlYwNkbXNnBHNsawN2bXNnBHN0aW1lAzEyMjE1Nzc2MjM->
>
>
> Posted by: "Earl Needham" needhame1@...
> <mailto:needhame1@...?Subject=%20Re%3A%20Inverted%20L%20%3F%3F>
> earl_needham <http://profiles.yahoo.com/earl_needham>
>
>
> Mon Sep 15, 2008 2:14 pm (PDT)
>
> Tom Horne wrote:
> >
> > Earl
> > That build a tube amplifier suggestion is an example of why
> there is so
> > much disrespect aimed at the old guard in radio. The idea that
> anyone
> > would be required to know antique technology to obtain a license
> is so
> > truly transparent a case of "back in the day" thinking that I
> don't see
> > were you got the unmitigated arrogance to utter it. Why don't
> you just
> > say what you really want. 25 wpm Genuine Morse code; no
> international
> > radio telegraph code allowed of course; copied from a sounder with a
> > Prince Albert tobacco can resonator or get out of the hobby. Get
> A Grip OM.

> > --
> > Tom Horne, W3TDH
>
> Geez Tom, chill out! It was all meant as a slightly sarcastic joke,
> OK? Having you attack me like this is certainly what I expect from
> some
> amateur radio op who should know the Amateur's Code -- or has that
> disappeared, too?
>
> 7 3 & get a grip for both of us, OK?
> Earl
>
> --
> KD5XB -- Earl Needham
> Clovis, New Mexico DM84jk
> http://groups.yahoo.com/group/cw_bugs
> <http://groups.yahoo.com/group/cw_bugs>
> Quoting from the Coast Guard: ZUT
>

5894. Re: Inverted L ??

Yahoo group: ham-antennas (2008)
Date: 2008-09-16 17:35:20 UTC
From: Randy McKenzie
Topic: 5844 Message: 5894

My call belonged to one of my closest ham friends, Frank, who shared HOURS of QSO's with me on the air over many years. I always admired his call and after be became a SK, I felt it a honor to take his call. I didnt think about his call until years after his death and actually found it available when I upgraded.

I meant no malice toward anyone, I was having some fun.

I work everyday in communications, mostly public safety, and honestly enjoy building everything I can, as a way of learning, exploration and just a big kid's curiosity. Antennas are one of the places I try things and explore more than any. I have home brew antennas on HF mobile and make good solid contacts, and always learning as I go. I have no problem with hams that buy everything off the shelf, the main thing is for them to enjoy the hobby! Its just my enjoyment to experiment and explore, to me thats what keeps ham radio interesting!

Im the guy thats rarely on the local machines, but always available to help tune duplexors, replace antennas or even build a repeater. Im also the guy that wants to talk about ANYTHING other than public safety when Im those repeaters too!

Not sure why the feathers got ruffled about these posts....

Randy
KK4EJ

--- In ham-antennas@yahoogroups.com, DVC3565@... wrote:
>
> Tom:
> Wow! Talk about a "flame!" Don't see any malice in either
Randy or
> Earl's posts. I do notice they have "old" Advanced class
calls. Dave-KJ4PF
>

5895. Re: [ham-antennas] Re: Inverted L ??

Yahoo group: ham-antennas (2008)
Date: 2008-09-16 17:39:34 UTC
From: DVC3565@aol.com
Topic: 5844 Message: 5895

Tom:
It takes a BIG person to apologize. I think if Randy & Earl accept, its OK
with everybody else. I wear a size 13 shoe, so I try not to eat too much of it!
:)
You have done well! NOW you ARE an Extra!
Still hope to work you sometime, on the air.

73, My brother ham,

Dave-KJ4PF

**********Psssst...Have you heard the news? There's a new fashion blog,
plus the latest fall trends and hair styles at StyleList.com.
(http://www.stylelist.com/trends?ncid=aolsty00050000000014)

[Non-text portions of this message have been removed]

5896. Re: Inverted L ?? - Fence, ladder line

Yahoo group: ham-antennas (2008)
Date: 2008-09-16 17:46:19 UTC
From: Randy McKenzie
Topic: 5844 Message: 5896

One note about chain link fencing, I found years ago at a broadcast station, those links are not electrically connected, they are mechanically linked. I had a joint corroded once and it demod'ed the AM station when it got wet!

You COULD run a wire along the top of this fence.....that would give you something to use as a counterpoise.....

Ive been reading about Zepp feeds and end feeding long wires. Im sure there are alot of info on the web, might be worth searching to see what would fit on the roof. Hiding a wire on a ridge or even under eve trim would be possible.

My thought with ladder line was using my MFJ tuner with its built in balun, a "modified G5RV". 213 could be terminated into a balun and then to your antenna.....

Good luck!

Randy
KK4EJ

--- In ham-antennas@yahoogroups.com, "mason_fann" <masonfann@...> wrote:
>
> Well the three vertical fence posts nearest where I have it clamped on
> are just bare metal about 12" into the soil. No concrete. I was too
> lazy to do that part! ;) The fence itself also connects to about 6
> other backyards of chain link fencing. There's probably a couple
> thousand feet worth all together.

5897. Re: stationmaster

Yahoo group: ham-antennas (2008)
Date: 2008-09-16 17:51:35 UTC
From: Randy McKenzie
Topic: 5863 Message: 5897

Once you get it apart, check all the solder joints VERY close. I recall one that had a couple of cracked solder joints, causing intermittant SWR issues when it was top mounted and suffered thru some pretty rough winds and ice. It flexed it over enough to stress crack the joints. After we repaired it we side mounted and gave it some support.

Randy
KK4EJ

--- In ham-antennas@yahoogroups.com, "N0ATH" <n0ath@...> wrote:
>
> I use those long T handle Allen wrenches - those two screws go
> thru a pair of races if you will - one is an internal taper and the
> other an external taper - with the screws loosened you can move
> the rings up and down and that is how you adjust the SWR - I think
> the lower (physically) you set them the lower the freq it
resonates.
> It has been a long time since I worked on one of them - but with
> them loose it should slide out of the tube - be careful not to bend
> the lower tube inward as it will be hard to get apart if you do -
Mine
> was thrown from the top of a 400 foot tower and I had to cut off a
> couple of inches that were bent and it was border line on freq after
> that - Dave / NØATH 73 & gud luk
>
> ----- Original Message -----
> From: "Glen" <k4kv@...>
> To: "ham antennas" <ham-antennas@yahoogroups.com>
> Sent: Monday, September 15, 2008 2:28 PM
> Subject: [ham-antennas] stationmaster
>
>
> hello,
>
> I need some help taking apart a high band stationmaster (21' 6"
long).
> 150-160Mhz
>
> I have successfully removed (unsoldered) the brass top and removed
the three
> flathead
> screws at the base, but it does not budge. I see two Allen head
bolts about
> 6.5"

> deep on the bottom of the aluminum tube inside. Have not removed
them, do
> not have
> a tool that can reach them.
>
> Any ideas?
>
> Thanks,
>
> Glen K4KV
> Moultrie, GA
>
>
> ----------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions.
Replies go to ALL 974 members (as of 11/07/07,
> and attachments are NOT permitted.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
>
>
> ---

>
>
>
> No virus found in this incoming message.
> Checked by AVG - http://www.avg.com
> Version: 8.0.169 / Virus Database: 270.6.21/1672 - Release Date:
9/15/2008 9:21 AM
>

5898. Re: Inverted L ??

Yahoo group: ham-antennas (2008)
Date: 2008-09-16 18:09:30 UTC
From: Earl Needham
Topic: 5844 Message: 5898

--- In ham-antennas@yahoogroups.com, Tom Horne <hornetd@...> wrote:
>
> Earl
> I'm an unrepentant EMCOMM trainee who expects to keep training until the
> day he dies. I'm just trying to learn the techniques that will be
> useful to my community if we ever get hit by anything as bad as
> Katrina. It's hard for me to see when I'm wrong at times just like
> anyone else. But my reply to your post was rude and boorish and I'm
> rotten sorry I typed it. It wasn't really about what you said. Your
> post was just the trip wire for a lot of frustration. I had just gotten
> broadsided by someone on another list for just mentioning the use of
> Winlink for EMCOMM. That certainly does not excuse my dumping on you so
> all I can say is I apologize. I regret my outburst very much.
> --
> Tom Horne, W3TDH

Aw shucks, Tom -- we all have a rough time somewhere, sometime. I've done the same thing from time to time and always regretted it later.

And although I have read some negative things about Winlink, I really don't know anything about it -- the real thing I worry about today is ALE -- I worry about it dropping someone right into the middle of my ongoing QSO.

At any rate, Tom, don't worry about it, it's all in the past and forgotten.

Now about that amp --grounded grid, or driven grid... <G>

7 3
Earl

P.S. -- What Steve said!

--
KD5XB -- Earl Needham
Clovis, New Mexico DM84jk
http://groups.yahoo.com/group/cw_bugs
<http://groups.yahoo.com/group/cw_bugs>
Quoting from the Coast Guard: ZUT

5899. Re: end fed dipole

Yahoo group: ham-antennas (2008)
Date: 2008-09-16 18:54:13 UTC
From: gadzooks.mike
Topic: 5886 Message: 5899

Very close to a J-Pole. :) Make one out of 300ohm TV cable with a notch at the appropriate spot on the matching stub side and feed directly with 50ohm coax.

--- In ham-antennas@yahoogroups.com, "Paul" <paul_c_g@...> wrote:
>
> The antenna you refer to is commonly known as a "Zepp".
>
> See: http://www.qsl.net/ta1dx/amator/practical_dipole_antenna.htm for
> construction details.
>
> It's a great antenna.
>
> Paul - K9ERG
>
> --- In ham-antennas@yahoogroups.com, "alan" <wadavison@> wrote:
> >
> > hi group
> > would it be ok to end feed a dipole for hf i was thinking of using
> > heavy coax for the run into the reciever just a thought
> >
>

5900. Re: [ham-antennas] Re: Inverted L ??

Yahoo group: ham-antennas (2008)
Date: 2008-09-16 19:04:49 UTC
From: Andy
Topic: 5844 Message: 5900

> I'll add that the versa tuner is connected from it's ground lug to the
> ground lug on the FT-101 which has a 3-prong AC cable as well. This
> has always been this way. If this is not sufficient grounding I'm also
> welcome to advice there.

I'm trying to steer you in the direction of thinking about where the
current goes; not just thinking about whether or not things are grounded.

Power gets to the antenna by having some voltage and some current from the
tuner to the antenna. An equal but opposite current is trying to go out the
ground lug on the tuner. Right now you have it going to the ground lug on
the FT-101 and from there to AC ground. This is now your antenna too.
Well, half of it.

The RF current that takes this route, will radiate. It also causes the
"ground" at the rig to be different from the ground rod where AC power
enters your house. While it's impossible (or nearly so) to make those two
ground electrically the same, you may be causing it to be more different
than it needs to be, by forcing RF current into that ground path.

Where you want that current to go, is out the shield of the coax and toward
the vicinity of your antenna.

That's why I think you don't want to leave the shield of the coax
disconnected at the VersaTuner.

On the other hand ... if it works, if the SWR is reasonable and your signal
gets out, and you don't get nasty side-effects (like RF burns), then why
complain.

Andy

5901. Re: [ham-antennas] end fed dipole

Yahoo group: ham-antennas (2008)
Date: 2008-09-16 19:14:04 UTC
From: Steve Friis
Topic: 5886 Message: 5901

alan wrote:
> hi group
> would it be ok to end feed a dipole for hf i was thinking of using
> heavy coax for the run into the reciever just a thought
>
>
Hi Alan,

For receive purposes, just about anything stuck into the receiver port will hear something. Now whether it will be efficient, that depends. If the wire is an odd multiple of a 1/4 wavelength, it will do OK, but even harmonics will suffer. There is the reason. 1/4 wavelengths are close to 50 ohms. Actually will be somewhere between 35 and 75 ohms, depending on the height above ground. Even harmonics like 1/2 wavelength will be very high impedance, on the order of 5000 ohms. The 100:1 SWR will make the coax act more like a long attenuator than a transmission line. This of coarse makes the received signals very weak. It could mean you won't hear some stations.

There are many antenna designs that attempt to overcome this problem, including an end fed Zepp, an OCF (off center fed) antenna, and the loaded sloper. Another option would be to place in line at the end of the coax a box called an antenna tuner or matcher. Then the wire can almost become frequency independent.

All of the options will allow you to transmit as well, if someday you decide you want to.

--
Steve Friis/ WM5Z
These are the humble ramblings of an old phart and in no way should they influence the actions of any intelligent and sane person.

5902. Hardline coax

Yahoo group: ham-antennas (2008)
Date: 2008-09-16 20:44:22 UTC
From: Dave
Topic: 5902 Message: 5902

I picked up a bunch of 7/8" hardline today for free, but some of it has dents or kinks in the outside conductor. I think the stuff is still useable but does anyone know how dramatically these dents might effect the overall performance of the coax itself?

Also, if I broke the line at the point of a kink and inserted a 1:1 connector would there be a significant loss in performance?

Thanks in aadvance.

Dave, W8QW

PeoplePC Online
A better way to Internet
http://www.peoplepc.com

5903. RE: [ham-antennas] end fed dipole

Yahoo group: ham-antennas (2008)
Date: 2008-09-16 20:57:32 UTC
From: terry tallman
Topic: 5886 Message: 5903

alan what can we do to help you get a license ? terry N0WJH

To: ham-antennas@yahoogroups.comFrom: needhame1@...: Tue, 16 Sep 2008 10:59:01 -0600Subject: Re: [ham-antennas] end fed dipole

W DAVISON wrote:> > > hi earl> i dont have a callsign yet as iam not on the air iam just > recieving.....AlanCool, Alan!The information most of us give here is aimed at transmitting antennas -- but receiving antennas benefit from the same things.But if you're only receiving, you can put up almost anything and receive SOMETHING. With the half-wave end-fed, just go ahead and connect it and you will sure be surprised at what you hear.7 3Earl-- KD5XB -- Earl NeedhamClovis, New Mexico DM84jkhttp://groups.yahoo.com/group/cw_bugsQuoting from the Coast Guard: ZUT

_____
See how Windows Mobile brings your life together?at home, work, or on the go.
http://clk.atdmt.com/MRT/go/msnnkwxp1020093182mrt/direct/01/

[Non-text portions of this message have been removed]

5904. Re: [ham-antennas] end fed dipole

Yahoo group: ham-antennas (2008)
Date: 2008-09-16 21:26:50 UTC
From: N0ATH
Topic: 5886 Message: 5904

Way to go Terry! Good Question. Count me in also.
Go for it Alan - I did 30 years back and haven't
regretted a minute - What part of the country are
you located in? 3333333 (seven threes)
Dave / N?ATH

----- Original Message -----
From: "terry tallman" <n0wjh@...>
To: <ham-antennas@yahoogroups.com>
Sent: Tuesday, September 16, 2008 3:57 PM
Subject: RE: [ham-antennas] end fed dipole

alan what can we do to help you get a license ? terry N0WJH

To: ham-antennas@yahoogroups.comFrom: needhame1@...: Tue, 16 Sep 2008 10:59:01
-0600Subject:
Re: [ham-antennas] end fed dipole

W DAVISON wrote:> > > hi earl> i dont have a callsign yet as iam not on the air iam just >
recieving.....AlanCool, Alan!The information most of us give here is aimed at
transmitting antennas --
but receiving antennas benefit from the same things.But if you're only receiving, you can
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anything and receive SOMETHING. With the half-wave end-fed, just go ahead and connect it
and you will sure be
surprised at what you hear.7 3Earl-- KD5XB -- Earl NeedhamClovis, New Mexico
DM84jkhttp://groups.yahoo.com/group/cw_bugsQuoting from the Coast Guard: ZUT

_____
See how Windows Mobile brings your life together-at home, work, or on the go.
http://clk.atdmt.com/MRT/go/msnnkwxp1020093182mrt/direct/01/

[Non-text portions of this message have been removed]

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 974
members (as of 11/07/07,
and attachments are NOT permitted.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

No virus found in this incoming message.
Checked by AVG - http://www.avg.com
Version: 8.0.169 / Virus Database: 270.6.21/1674 - Release Date: 9/16/2008 8:15 AM

5905. RE: [ham-antennas] end fed dipole

Yahoo group: ham-antennas (2008)
Date: 2008-09-16 21:38:12 UTC
From: Marty Bluhm
Topic: 5886 Message: 5905

If you are in the WV (Beckley)area, I'll be happy to help you also.

73
Marty
W8AKS

-----Original Message-----
From: ham-antennas@yahoogroups.com
[mailto:ham-antennas@yahoogroups.com]On Behalf Of N0ATH
Sent: Tuesday, September 16, 2008 21:27
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] end fed dipole

Way to go Terry! Good Question. Count me in also.
Go for it Alan - I did 30 years back and haven't
regretted a minute - What part of the country are
you located in? 3333333 (seven threes)
Dave / N?ATH

----- Original Message -----
From: "terry tallman" <n0wjh@...>
To: <ham-antennas@yahoogroups.com>
Sent: Tuesday, September 16, 2008 3:57 PM
Subject: RE: [ham-antennas] end fed dipole

alan what can we do to help you get a license ? terry N0WJH

To: ham-antennas@yahoogroups.comFrom: needhame1@...: Tue, 16
Sep 2008 10:59:01 -0600Subject:
Re: [ham-antennas] end fed dipole

W DAVISON wrote:> > > hi earl> i dont have a callsign yet as iam not on the
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recieving.....AlanCool, Alan!The information most of us give here is
aimed at transmitting antennas --
but receiving antennas benefit from the same things.But if you're only
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go.
http://clk.atdmt.com/MRT/go/msnnkwxp1020093182mrt/direct/01/

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Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

No virus found in this incoming message.
Checked by AVG - http://www.avg.com
Version: 8.0.169 / Virus Database: 270.6.21/1673 - Release Date: 9/15/2008 18:49

5906. RE: [ham-antennas] Hardline coax

Yahoo group: ham-antennas (2008)
Date: 2008-09-16 21:42:53 UTC
From: MIKE DURKIN
Topic: 5902 Message: 5906

put a dummy load on the end and sweep it with a MFJ-259b .. then short the end and sweep it again ...

Frankly iv been wanting alot of that stuff for some time now ...

KC7NOA

_
> I picked up a bunch of 7/8" hardline today for free, but some of it has dents or kinks in the outside conductor. I think the stuff is still useable but does anyone know how dramatically these dents might effect the overall performance of the coax itself?
>
> Also, if I broke the line at the point of a kink and inserted a 1:1 connector would there be a significant loss in performance?
>
> Thanks in aadvance.
>
> Dave, W8QW

_____
See how Windows Mobile brings your life together—at home, work, or on the go.
http://clk.atdmt.com/MRT/go/msnnkwxp1020093182mrt/direct/01/

5907. Re: [ham-antennas] Hardline coax

Yahoo group: ham-antennas (2008)
Date: 2008-09-16 21:48:06 UTC
From: Dean
Topic: 5902 Message: 5907

It all depends on what frequency you are going to
use.. Two meter and even 70 cm the dents should
not bother too much...
As far as a splice... Do you have Any idea what that
will cost? It would almost be cheeper to just buy some
good RG 8. You could Make you own splice but it
too would make an impedance bump. One inch copper
pipe fittings make a good outer shield.

73 Dean W5GXL@...

On Sep 16, 2008, at 3:44 PM, Dave wrote:

> I picked up a bunch of 7/8" hardline today for free, but some of it
> has dents or kinks in the outside conductor. I think the stuff is
> still useable but does anyone know how dramatically these dents
> might effect the overall performance of the coax itself?
>
> Also, if I broke the line at the point of a kink and inserted a 1:1
> connector would there be a significant loss in performance?
>
> Thanks in aadvance.
>
> Dave, W8QW
>
> _____
> PeoplePC Online
> A better way to Internet
> http://www.peoplepc.com
>
>

[Non-text portions of this message have been removed]

5908. RE: [ham-antennas] Hardline coax

Yahoo group: ham-antennas (2008)
Date: 2008-09-16 21:54:39 UTC
From: Dave
Topic: 5902 Message: 5908

Thanks Mike. Good suggestion. I found this at the Michigasn State University salvage yard. They were getting ready to throw the stuff away, and ther's easily 2 or 3 100' rolls in the lot. I stuffed as much as I could in the back of my Trailblazer and will go back for the rest tomorrow, if it's still there.

Thanks again.

Dave

-----Original Message-----
>From: MIKE DURKIN <Patriot121@...>
>Sent: Sep 16, 2008 5:42 PM
>To: ham-antennas@yahoogroups.com
>Subject: RE: [ham-antennas] Hardline coax
>
>
>put a dummy load on the end and sweep it with a MFJ-259b .. then short the end and sweep it again ...
>
>Frankly iv been wanting alot of that stuff for some time now ...
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>> Thanks in aadvance.
>>
>> Dave, W8QW
>
>_____
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>http://clk.atdmt.com/MRT/go/msnnkwxp1020093182mrt/direct/01/
>----------
>
>HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 974 members (as of 11/07/07, and attachments are NOT permitted.
>Post message: ham-antennas@yahoogroups.com
>Subscribe: ham-antennas-subscribe@yahoogroups.com
>Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
>List owner: ham-antennas-owner@yahoogroups.com
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5909. Re: Inverted L ??

Yahoo group: ham-antennas (2008)
Date: 2008-09-16 21:55:05 UTC
From: k9qb
Topic: 5844 Message: 5909

--- In ham-antennas@yahoogroups.com, "mason_fann" <masonfann@...>
wrote:
>
> I wanted to run something by everyone for advise. I have a Yaesu
> FT-101 and MFJ Versa Tuner II that I am trying to get a decent
antenna
> strung up on. die to space and yard layout it's probably going to
have
> to be an end fed of some kind. Here's where I'm at:
>
> until yesterday I had about 40' of 12 gauge insulated stranded run
> from about 40' high in a tree back to the eve of the house around
12'
> high. there it was soldered to the center conductor of RG213 coax
that
> goes through the wall into the the shack in the basement.
terminated
> in a PL-259. I could never get the SWR below about 8:1. Been
reading
> up on long/random wires and inverted L's. decided to trim it down
some
> to see if I could tune it. I cut it down to roughly 33' on the
> horizontal so I can use it on 10,20 and 40 meters. Spliced a ground
> wire into the shielding outside the house before it enters the wall
> and bound it to the chain link fence rail with a hose clamp.
Checked
> SWR and no change. thought maybe my feedline was too long or too
close
> to one of the "magic" lengths that it shouldn't be. So I cut about
3'
> off it, including the connector. Stripped off the dielectric and
> shielding and connected the center conductor to the "wire" post on
the
> Tuner, according to the manual. Immediately the SWR dropped to
about
> 1.6, and I couldn't really get it too tune up any better w/out
further
> trimming. Didn't matter because the bands are dead anyway and it
was
> cloudy/raining at my QTH so I couldn't do anything anyway.
>
> Here's my concern. Another HAM at work thinks there is going to be
a
> lot of RF in the shack due to just using the center conductor at
the

> tuner. He thinks there needs to be some kind of radials somewhere
or
> the PL-259 replaced so the feedline is shielded with the coax back
to
> the tuner. I've read up on L's and long wires in the ARRL Antenna
> handbook and various sources on the web and can't find anything
that
> proves either of us right or wrong. I'm thinking that since the
braid
> IS grounded to the fence rail that the shielding effects should
apply
> to the entire length of the feedline. He thinks that it only covers
> from the point the ground wire is connected to the feed point with
the
> horizontal. Can anyone maybe clear this up one way or another?
Sorry
> this is kind of long. I'm still a fairly new HAM and trying to sort
> out all the details. Thanks.
>
> Mas
> K0MAS
>

First of all welcome to ham radio, Mas.

I got my novice license way back in '66 and got a lot of bum information from "experienced " hams and understand how frustrating getting on the air can be.

You had a lot of responses that unfortunately took all kinds of tangents and some offered just plain bum information.

Your dilemma can be easily solved for the moment, but, don't expect the same results you could get from a complete antenna aloft like a dipole or a loop or whatever.

What you are trying to do is make a less than full-size antenna work by correcting the mismatch of the antenna to the radio by using an antenna tuner....

You can do that, but, let's clean things up a bit.

First of all, understand that "GROUND" is NOT a part of your antenna...We only rely on grounding for lightning protection and a way to dissipate stray RF...that's it!

When you read about 1/4 wave radials buried every 3 degrees around a broadcast tower...those are part of the antenna...THEY ARE NOT PART OF THE GROUND!

With that said, you can use a random wire shorter than some resonant length wire at some frequency...but, you lose efficiency very

quickly if you don't make up that lost antenna length with some kind of "counterpoise"...(a fancy word for radial or the missing part of an antenna)

Just don't expect "GROUND" to replace antenna length...
If we could do that, we'd just stick our outputs into the ground and go at it!

You can use that 40' "random wire" of yours by just removing any coax between your antenna wire and your tuner and just run the antenna wire right out of the SO239 output jack or connect it to the unbalanced wire terminal...

Make sure you properly ground your station by stabbing a couple of 8' ground rods a few feet apart, ouside your shack, and tie all your equipment to it...

Tie your grounds together with #8 wire and mechanical clamps to a single point in your ham shack...

Oh yes, don't forget to run some #8 to your "service" ground...
Yep, they're ALL supposed to be tied together!...

I also tie my outlet grounds in my hamshack to my hamshack grounds to "short out and equalize" the high frequency component of lightning and other transients.

Forget about the fence as part of your ground...But
that's "Experimentation"...if you want to get on the air, I'd say forego the fence as part of your antenna for the moment.

Hope I didn't spin your head too hard!

Mike, WA5PSE

5910. Introduction---and invitation to my TV Antenna forum

Yahoo group: ham-antennas (2008)
Date: 2008-09-16 23:46:21 UTC
From: Robert Williams
Topic: 5910 Message: 5910

Just wanted to introduce myself. I've been a SWL for over three decades, with a dormant Technician class license for over 14 years. Just never had the cash to get set up with the gear I needed. Maybe providence will smile on me soon. I'd like to know what would be a good beginner/first time antenna for me to start out with. I live up here in the Oregon hills with plenty of room if needed.

Also, I'd like to invite anyone interested to come over and join my TV Antenna forum. It's a place to discuss VHF/UHF TV antennas (not satellite dishes) and any related hardware. The intent is that amateurs and experts alike can come together to discuss TV antenna problems, and discover practical solutions. With the US conversion to digital TV broadcasts (DTV) on February 17, 2009, I expect a huge resurgence of interest in this all but forgotten technology. Here's the link:

http://groups.yahoo.com/group/TV_Antennas

73's

Robert KC7BUM
Grants Pass, Oregon

5911. Re: [ham-antennas] Hardline coax

Yahoo group: ham-antennas (2008)
Date: 2008-09-17 00:58:07 UTC
From: Steve Friis
Topic: 5902 Message: 5911

Dave wrote:
> I picked up a bunch of 7/8" hardline today for free, but some of it has dents or kinks in the outside conductor. I think the stuff is still useable but does anyone know how dramatically these dents might effect the overall performance of the coax itself?
>
> Also, if I broke the line at the point of a kink and inserted a 1:1 connector would there be a significant loss in performance?
>
> Thanks in aadvance.
>
> Dave, W8QW
>
>
>

There is always added loss from adding a connector, or in the case of a splice, there are 2 connectors, possibly 3. The amount of loss depends on the quality of the connector and the quality of the installation of those joints. I would think that the losses would be very much outwayed by the efficiency of the feed line. 7/8" will probably gain you 1/2 the losses of RG-8 as a guess. The cost you got that stuff is pretty good too.

As far as the dents are concerned, this will depend on how deep the dents are, and the frequency. If these are superficial dents, then I wouldn't worry. If they are really deep, then you could have a problem. How about you terminate the stuff with a good dummy load and operate the transmitter into it? Then before you install it you will know what the feed line can handle.

If this is the typical aluminum stuff used for CATV/Cable TV, then it is 75 ohms. So you will need to adjust to using it and what your SWR/Watt meter will read.

If I had the opportunity to get some again, I would use it. I used some for my phasing harness for my dual butternut set-up on 75/40 a number of years ago. It was really good stuff. Also, sometime in the late 80's, there was an article in QST about making home made connectors for that stuff using copper plumbing parts.

--
Steve Friis/ WM5Z
These are the humble ramblings of an old phart and in no way should they influence the actions of any intelligent and sane person.

5912. Re: Inverted L ??

Yahoo group: ham-antennas (2008)
Date: 2008-09-17 03:20:44 UTC
From: mason_fann
Topic: 5844 Message: 5912

This clears up quite a bit for me. I'm guessing the way I have it now the fence is actually acting as the counterpoise, but it's not grounded properly for protection. I do have enough wire to re-run it with no coax to the 'wire' post on the tuner, I may try that this weekend. My shack is in the basement(finished)and there is an old service ground rod outside the window I could use to tie everything too. Thanks.

K0MAS

> >
>
> First of all welcome to ham radio, Mas.
>
> I got my novice license way back in '66 and got a lot of bum
> information from "experienced " hams and understand how frustrating
> getting on the air can be.
>
> You had a lot of responses that unfortunately took all kinds of
> tangents and some offered just plain bum information.
>
> Your dilemma can be easily solved for the moment, but, don't expect
> the same results you could get from a complete antenna aloft like a
> dipole or a loop or whatever.
>
> What you are trying to do is make a less than full-size antenna work
> by correcting the mismatch of the antenna to the radio by using an
> antenna tuner....
>
> You can do that, but, let's clean things up a bit.
>
> First of all, understand that "GROUND" is NOT a part of your
> antenna...We only rely on grounding for lightning protection and a
> way to dissipate stray RF...that's it!
>
> When you read about 1/4 wave radials buried every 3 degrees around a
> broadcast tower...those are part of the antenna...THEY ARE NOT PART
> OF THE GROUND!
>
> With that said, you can use a random wire shorter than some resonant
> length wire at some frequency...but, you lose efficiency very
> quickly if you don't make up that lost antenna length with some kind
> of "counterpoise"...(a fancy word for radial or the missing part of
> an antenna)
>

> Just don't expect "GROUND" to replace antenna length...
> If we could do that, we'd just stick our outputs into the ground and
> go at it!
>
> You can use that 40' "random wire" of yours by just removing any
> coax between your antenna wire and your tuner and just run the
> antenna wire right out of the SO239 output jack or connect it to the
> unbalanced wire terminal...
>
> Make sure you properly ground your station by stabbing a couple of
> 8' ground rods a few feet apart, ouside your shack, and tie all your
> equipment to it...
>
> Tie your grounds together with #8 wire and mechanical clamps to a
> single point in your ham shack...
>
> Oh yes, don't forget to run some #8 to your "service" ground...
> Yep, they're ALL supposed to be tied together!...
>
> I also tie my outlet grounds in my hamshack to my hamshack grounds
> to "short out and equalize" the high frequency component of
> lightning and other transients.
>
> Forget about the fence as part of your ground...But
> that's "Experimentation"...if you want to get on the air, I'd say
> forego the fence as part of your antenna for the moment.
>
> Hope I didn't spin your head too hard!
>
> Mike, WA5PSE
>

5913. Re: Introduction---and invitation to my TV Antenna forum

Yahoo group: ham-antennas (2008)
Date: 2008-09-17 04:03:09 UTC
From: ash_lee52
Topic: 5910 Message: 5913

Robert

Go ahead and get yourself on the air... receiving signals is a lot of fun, but sending is even moreso. With a weeks study you can probably even get your General.

As far as first time antennas... go with wire. A dipole for any frequencies you are interested in is easy as can be to make (each leg is 468/freq). If you want to get more sophisticated a half square antenna will give you about 6 dB of gain (1/4 wave length hanging down on one side, 1/2 wave length horizontal leading to another 1/4 WL hanging down. Feed at an upper corner.

For 20 meters then you need about a 33 foot horizontal span in both cases. The higher the better for a dipole, the lower the better for a 1/2 square.

For a general purpose antenna ressonant on all the ham bands go 40 feet on one side, 90 feet on the other and feed through a 4:1 or 6:1 balun (these can be made or bought cheaply).

If you want to go commercial google the Buckmaster antenna.

WW0AL
Ash

--- In ham-antennas@yahoogroups.com, "Robert Williams" <will7370@...>
wrote:
>
> Just wanted to introduce myself. I've been a SWL for over three
> decades, with a dormant Technician class license for over 14
years.
> Just never had the cash to get set up with the gear I needed.
Maybe
> providence will smile on me soon. I'd like to know what would be a
> good beginner/first time antenna for me to start out with. I live
up
> here in the Oregon hills with plenty of room if needed.
>
> Also, I'd like to invite anyone interested to come over and join my
> TV Antenna forum. It's a place to discuss VHF/UHF TV antennas (not
> satellite dishes) and any related hardware. The intent is that
> amateurs and experts alike can come together to discuss TV antenna
> problems, and discover practical solutions. With the US conversion
to
> digital TV broadcasts (DTV) on February 17, 2009, I expect a huge
> resurgence of interest in this all but forgotten technology.

Here's
> the link:
>
> http://groups.yahoo.com/group/TV_Antennas
>
> 73's
>
> Robert KC7BUM
> Grants Pass, Oregon
>

5914. antenna help

Yahoo group: ham-antennas (2008)
Date: 2008-09-17 12:02:29 UTC
From: yash@aol.com
Topic: 5914 Message: 5914

Had a t-10 log on the tower,here in south west florida. Huge antenna,had to come down with the passing of each hurricane or big storm. This got to be a bit hard for myself and the xyl...telescope and tilt tower. I finally sold the log antenna. I put up a gap Titan,had it up for a while performance was about on par of a dipole,maybe.
??? I work mostly 17 meters and 20 once in a while. Would work 10 if it were open more often ,was always my favorite band. I do a net or two on 40 have a dipole for that ,works ok. Iam looking for a new antenna for the tower. I want something that is not huge as the log was. Want to cover, 20,17,15,12 and 10. I have thought of such smaller?antennas as a Hex beam, cuschcraft ma5b,and simular small footprint beams.....any body have any suggestions. I know I can go to the reflector for each of these antennas and others,but find the members on a reflector for a pertictulat ant or product are of course very biased on their? product. I thought this being a GENERAL info? reflector on antennas ,I could get some guideance on my selection of a antenna.
?? well guy ,thanks for reading,hope someone can point me in a? good direction.
thanks
dale wt4t

[Non-text portions of this message have been removed]

5915. Re: [ham-antennas] antenna help

Yahoo group: ham-antennas (2008)
Date: 2008-09-17 12:17:44 UTC
From: pmihnovets@comporium.net
Topic: 5914 Message: 5915

Have you thought of doing a hex beam. There is a hex beam forum in yahoo groups that can help with your questions of performance.
Sent from my Verizon Wireless BlackBerry

-----Original Message-----
From: yash@...

Date: Wed, 17 Sep 2008 08:02:29
To: <ham-antennas@yahoogroups.com>
Subject: [ham-antennas] antenna help

Had a t-10 log on the tower,here in south west florida. Huge antenna,had to come down with the passing of each hurricane or big storm. This got to be a bit hard for myself and the xyl...telescope and tilt tower. I finally sold the log antenna. I put up a gap Titan,had it up for a while performance was about on par of a dipole,maybe.
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thanks
dale wt4t

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

5916. OT - 75 Ohm Coax

Yahoo group: ham-antennas (2008)
Date: 2008-09-17 12:46:03 UTC
From: Allan Kissack
Topic: 5916 Message: 5916

Slightly off topic....
I want to re-wire my TV leads with better standard 75 ohm cable. However all teh UK sources I can find have only upto 60% braid coverage (albeit with foil as well).

Is there a source of 80%+ braid covered 75 cable available?
If not is 60% with foil any good by comparison?
Can RG58A/U be used as an alternative or will the impedance mismatch negate any gain

thanks

--
Allan
2E0EAK
Lincs. UK

[Non-text portions of this message have been removed]

5917. Mobile HF Antenna question

Yahoo group: ham-antennas (2008)
Date: 2008-09-17 13:40:14 UTC
From: Dave Cole
Topic: 5914 Message: 5917

Hi,

I am looking for a good mobile antenna for my car... Any suggestions? Any resources or shootout results anyone can suggest?

Thanks,
Dave
NK7Z

No virus found in this outgoing message.
Checked by AVG - http://www.avg.com
Version: 8.0.169 / Virus Database: 270.6.21/1672 - Release Date: 9/16/2008 8:15 AM

5918. Re: [ham-antennas] Re: Introduction---and invitation to my TV Antenna forum

Yahoo group: ham-antennas (2008)
Date: 2008-09-17 14:13:17 UTC
From: Steve Friis
Topic: 5910 Message: 5918

ash_lee52 wrote:
>
>
> As far as first time antennas... go with wire. A dipole for any
> frequencies you are interested in is easy as can be to make (each leg
> is 468/freq). If you want to get more sophisticated a half square
> antenna will give you about 6 dB of gain (1/4 wave length hanging
> down on one side, 1/2 wave length horizontal leading to another 1/4
> WL hanging down. Feed at an upper corner.
>
>
>
Actually 468/Freq gives you a total dipole length. Use 234/Freq to get
each leg.

--
Steve Friis/ WM5Z
These are the humble ramblings of an old phart and in no way should they
influence the actions of any intelligent and sane person.

5919. Re: [ham-antennas] Mobile HF Antenna question

Yahoo group: ham-antennas (2008)
Date: 2008-09-17 14:48:35 UTC
From: Earl Needham
Topic: 5914 Message: 5919

Dave Cole wrote:
> Hi,
>
> I am looking for a good mobile antenna for my car... Any suggestions? Any
> resources or shootout results anyone can suggest?
>
> Thanks,
> Dave
> NK7Z

www.k0bg.com -- good site, good info. Interesting to note that the
"ground" has as much (or more) effect as the actual radiator.

7 3
Earl

--
KD5XB -- Earl Needham
Clovis, New Mexico DM84jk
http://groups.yahoo.com/group/cw_bugs
Quoting from the Coast Guard: ZUT

5920. Re: [ham-antennas] antenna help

Yahoo group: ham-antennas (2008)
Date: 2008-09-17 15:05:46 UTC
From: Alan Wilson
Topic: 5914 Message: 5920

Hi Dale, I built the Broadband HEX and it works great. I'd been using a TGM 2 el hybrid quad for about 7 years and its done good for its size (16 lbs), its really narrowbanded. The hex beats it and was not that hard to build (harder to find all the parts). Thats my recommendations. 73, Alan

On 9/17/08, yash@... <yash@...> wrote:

>
> Had a t-10 log on the tower,here in south west florida. Huge antenna,had
> to come down with the passing of each hurricane or big storm. This got to be
> a bit hard for myself and the xyl...telescope and tilt tower. I finally sold
> the log antenna. I put up a gap Titan,had it up for a while performance was
> about on par of a dipole,maybe.
> ??? I work mostly 17 meters and 20 once in a while. Would work 10 if it
> were open more often ,was always my favorite band. I do a net or two on 40
> have a dipole for that ,works ok. Iam looking for a new antenna for the
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> my selection of a antenna.
> ?? well guy ,thanks for reading,hope someone can point me in a? good
> direction.
> thanks
> dale wt4t
>
> [Non-text portions of this message have been removed]
>
>
>

--
Alan Wilson
67 Bullseye Lane
Victor, MT 59875
http://montanaham.tripod.com

[Non-text portions of this message have been removed]

5921. Re: [ham-antennas] antenna help

Yahoo group: ham-antennas (2008)
Date: 2008-09-17 15:12:46 UTC
From: Kenneth D. Grimm, K4XL
Topic: 5914 Message: 5921

I would recommend one of the SteppIR antennas...either the two or three element yagi. You get all of your desired bands plus 6 meters. They seem to survive high wind and a salty environment better than aluminum antennas. Have a look at their FAQ page on their website
http://www.steppir.com/FAQ.html
The ratings are very impressive and there are quite a few being used in Florida. The four element antenna is big, heavy and would not be any easier to handle than your T-10. The two and three element antennas, on the other hand, should be a lot easier to manage and still provide reasonable gain, F/B, and an excellent match across the entire range of coverage. Since 1957, I've used most every kind of rotary antenna...some home built and others commercially made. I've had 2 and 3 element cubical quads and 3 and 4 element monoband and multiband yagis made by Hornet, Wilson, HyGain, Telrex, Force 12 and homebrew. The SteppIR is, by far, the best that I've ever used. Not that it has any more gain than other 4 element yagis that I have owned, but its ability to tune to any spot in the band (automatically, if you have the interface), go 180 degrees almost instantly and also work on all the SWBC bands in between 20 and 6 meters make it better than all the others I've used. My opinion...YMMV.
73,
Ken - K4XL

yash@... wrote:
> Had a t-10 log on the tower,here in south west florida. Huge antenna,had to come down with the passing of each hurricane or big storm. This got to be a bit hard for myself and the xyl...telescope and tilt tower. I finally sold the log antenna. I put up a gap Titan,had it up for a while performance was about on par of a dipole,maybe.
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> ?? well guy ,thanks for reading,hope someone can point me in a? good direction.
> thanks
> dale wt4t
>
>

5922. Re: [ham-antennas] Mobile HF Antenna question

Yahoo group: ham-antennas (2008)
Date: 2008-09-17 15:14:15 UTC
From: Mark, KJ7BS
Topic: 5914 Message: 5922

A great resource for you is www.k0bg.com . Alan's site has some great information. However, the one thing you will take away is at HF the key is bonding the vehicle together event if it is a unibody. Read his site and heed the advice on bonding.

As for antennas, I don't believe you can find a more efficent antenna than those made by Hi-Q and more recently Scorpion antennas. With these antennas it's all about coil Q. There are many other mobile antennas available each with their good and bad points.

Do a little research of which you've already begun by asking here.
--
Mark, KJ7BS
Glendale, AZ
Editor, The SKCC Centurion
Elecraft K2 S/N 0539
Fists # 2972 CC 1806
SKCC # 2240 C56 T20
MQFD # 128
QRP-ARCI # 12647
AZ ScQRPions
COGRC Emergency Communications

---- Dave Cole <dave@...> wrote:

==========
Hi,

I am looking for a good mobile antenna for my car... Any suggestions? Any
resources or shootout results anyone can suggest?

Thanks,
Dave
NK7Z

No virus found in this outgoing message.
Checked by AVG - http://www.avg.com
Version: 8.0.169 / Virus Database: 270.6.21/1672 - Release Date: 9/16/2008
8:15 AM

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 974 members (as of 11/07/07, and attachments are NOT permitted.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

5923. Re: end fed dipole

Yahoo group: ham-antennas (2008)
Date: 2008-09-17 15:31:55 UTC
From: Paul
Topic: 5886 Message: 5923

Not very close... SAME AS...

and feed it through a 4:1 trombone balun to prevent RF currents on
the outside of the coax.

Paul - K9ERG

--- In ham-antennas@yahoogroups.com, "gadzooks.mike"
<gadzooks.mike@...> wrote:
>
> Very close to a J-Pole. :) Make one out of 300ohm TV cable with a
> notch at the appropriate spot on the matching stub side and feed
> directly with 50ohm coax.
>
> --- In ham-antennas@yahoogroups.com, "Paul" <paul_c_g@> wrote:
> >
> > The antenna you refer to is commonly known as a "Zepp".
> >
> > See: http://www.qsl.net/ta1dx/amator/practical_dipole_antenna.htm
for
> > construction details.
> >
> > It's a great antenna.
> >
> > Paul - K9ERG
> >
> > --- In ham-antennas@yahoogroups.com, "alan" <wadavison@> wrote:
> > >
> > > hi group
> > > would it be ok to end feed a dipole for hf i was thinking of
using
> > > heavy coax for the run into the reciever just a thought
> > >
> >
>

5924. Re: [ham-antennas] antenna help

Yahoo group: ham-antennas (2008)
Date: 2008-09-17 16:12:14 UTC
From: yash@aol.com
Topic: 5914 Message: 5924

Ken
?thanks for the e mail. Looked at the stepper,but its a really large and heavy antenna.plus lots of $$$$. When I drop the tower for a heavy storm or passing hurricaneit would be a bear to pull the stepper off the mast ,lots more to remove than just a coupla of u bolts.
thanks
dale wt4t

-----Original Message-----
From: Kenneth D. Grimm, K4XL <grimm@...>
To: ham-antennas@yahoogroups.com
Sent: Wed, 17 Sep 2008 8:12 am
Subject: Re: [ham-antennas] antenna help

I would recommend one of the SteppIR antennas...either the two or three element yagi. You get all of your desired bands plus 6 meters. They seem to survive high wind and a salty environment better than aluminum antennas. Have a look at their FAQ page on their website
http://www.steppir.com/FAQ.html
The ratings are very impressive and there are quite a few being used in Florida. The four element antenna is big, heavy and would not be any easier to handle than your T-10. The two and three element antennas, on the other hand, should be a lot easier to manage and still provide reasonable gain, F/B, and an excellent match across the entire range of coverage. Since 1957, I've used most every kind of rotary antenna...some home built and others commercially made. I've had 2 and 3 element cubical quads and 3 and 4 element monoband and multiband yagis made by Hornet, Wilson, HyGain, Telrex, Force 12 and homebrew. The SteppIR is, by far, the best that I've ever used. Not that it has any more gain than other 4 element yagis that I have owned, but its ability to tune to any spot in the band (automatically, if you have the interface), go 180 degrees almost instantly and also work on all the SWBC bands in between 20 and 6 meters make it better than all the others I've used. My opinion...YMMV.
73,
Ken - K4XL

yash@... wrote:
> Had a t-10 log on the tower,here in south west florida. Huge antenna,had to come down with the passing of each hurricane or big storm. This got to be a bit hard for myself and the xyl...telescope and tilt tower. I finally sold the log antenna. I put up a gap Titan,had it up for a while performance was about on par of a dipole,maybe.
> ??? I work mostly 17 meters and 20 once in a while. Would work 10 if it were open more often ,was always my favorite band. I do a net or two on 40 have a dipole for that ,works ok. Iam looking for a new antenna for the tower. I want something that is not huge as the log was. Want to cover, 20,17,15,12 and 10. I have thought of such smaller?antennas as a Hex beam, cuschcraft ma5b,and simular small footprint beams.....any body have

any suggestions. I know I can go to the reflector for each of these antennas and others,but find the members on a reflector for a pertictulat ant or product are of course very biased on their? product. I thought this being a GENERAL info? reflector on antennas ,I could get some guideance on my selection of a antenna.
> ?? well guy ,thanks for reading,hope someone can point me in a? good direction.
> thanks
> dale wt4t
>
>

[Non-text portions of this message have been removed]

5925. Butternut Vertical

Yahoo group: ham-antennas (2008)
Date: 2008-09-17 16:40:41 UTC
From: w8okn@charter.net
Topic: 5914 Message: 5925

Need some help...

I just was given a Butternut vertical. A long time family ham friend just passed away. I need help identifying it and piecing it back together. One of the coils is broken and so forth.

If I can get help identifying, I can download a manual and go from there.

Is there anyone on the list that can tell me which I have, if I send them digital photos?

Thanks,

From the desk of W8OKN, northern Michigan

5926. Emailing: ham, monaco

Yahoo group: ham-antennas (2008)
Date: 2008-09-17 17:11:56 UTC
From: Richard Schmuke
Topic: 5926 Message: 5926

Here you go , also Google and you will get many sites to down load, Ham and Monaco

Rich , KDØZZ

[Non-text portions of this message have been removed]

5927. Re: [ham-antennas] Butternut Vertical

Yahoo group: ham-antennas (2008)
Date: 2008-09-17 18:12:53 UTC
From: W5CPT
Topic: 5914 Message: 5927

All the Butternut antennas (except the "2" series) are the same. Download the manual for the HF9V and only use the sections of the manual for the parts you have. The only "yah-but" is that there were 2 different "6" models. One early and one late. Not a lot of differences but some.

Clint - W5CPT - HF7V (was a "6" and I added a band)

----- Original Message -----
From: w8okn@...
To: ham-antennas@yahoogroups.com
Sent: Wednesday, September 17, 2008 11:40 AM
Subject: [ham-antennas] Butternut Vertical

Need some help...

I just was given a Butternut vertical. A long time family ham friend just passed away. I need help identifying it and piecing it back together. One of the coils is broken and so forth.

If I can get help identifying, I can download a manual and go from there.

Is there anyone on the list that can tell me which I have, if I send them digital photos?

Thanks,

From the desk of W8OKN, northern Michigan

[Non-text portions of this message have been removed]

5928. Re: [ham-antennas] antenna help

Yahoo group: ham-antennas (2008)
Date: 2008-09-17 19:18:12 UTC
From: Kenneth D. Grimm, K4XL
Topic: 5914 Message: 5928

Hi Dale,
No question about it, the 4 element SteppIR is big, heavy and unwieldy.
It was a bear to mount on my tilt over tower. However, the 2 element
yagi isn't nearly so big and heavy. It weighs only about 30 pounds and
its boom length is less than 5 ft. The control wires can be
disconnected by installing a plug and socket and the feedline is easily
disconnected as it is a PL-259/SO-239.
The hex beams may be the answer, but I've not had any experience with them.
Good luck, OM.
73,
Ken - K4XL

yash@... wrote:
> Ken
> ?thanks for the e mail. Looked at the stepper,but its a really large and heavy
antenna.plus lots of $$$$. When I drop the tower for a heavy storm or passing hurricaneit
would be a bear to pull the stepper off the mast ,lots more to remove than just a coupla of
u bolts.
> thanks
> dale wt4t
>
>
> -----Original Message-----
> From: Kenneth D. Grimm, K4XL <grimm@...>
> To: ham-antennas@yahoogroups.com
> Sent: Wed, 17 Sep 2008 8:12 am
> Subject: Re: [ham-antennas] antenna help
>
>
>
>
>
>
> I would recommend one of the SteppIR antennas...either the two or three
> element yagi. You get all of your desired bands plus 6 meters. They
> seem to survive high wind and a salty environment better than aluminum
> antennas. Have a look at their FAQ page on their website
> http://www.steppir.com/FAQ.html
> The ratings are very impressive and there are quite a few being used in
> Florida. The four element antenna is big, heavy and would not be any
> easier to handle than your T-10. The two and three element antennas, on
> the other hand, should be a lot easier to manage and still provide
> reasonable gain, F/B, and an excellent match across the entire range of
> coverage. Since 1957, I've used most every kind of rotary
> antenna...some home built and others commercially made. I've had 2 and

> 3 element cubical quads and 3 and 4 element monoband and multiband yagis
> made by Hornet, Wilson, HyGain, Telrex, Force 12 and homebrew. The
> SteppIR is, by far, the best that I've ever used. Not that it has any
> more gain than other 4 element yagis that I have owned, but its ability
> to tune to any spot in the band (automatically, if you have the
> interface), go 180 degrees almost instantly and also work on all the
> SWBC bands in between 20 and 6 meters make it better than all the others
> I've used. My opinion...YMMV.
> 73,
> Ken - K4XL
>
> yash@... wrote:
>
>> Had a t-10 log on the tower,here in south west florida. Huge antenna,had to come down with the passing of each hurricane or big storm. This got to be a bit hard for myself and the xyl...telescope and tilt tower. I finally sold the log antenna. I put up a gap Titan,had it up for a while performance was about on par of a dipole,maybe.
>> ??? I work mostly 17 meters and 20 once in a while. Would work 10 if it were open more often ,was always my favorite band. I do a net or two on 40 have a dipole for that ,works ok. Iam looking for a new antenna for the tower. I want something that is not huge as the log was. Want to cover, 20,17,15,12 and 10. I have thought of such smaller?antennas as a Hex beam, cuschcraft ma5b,and simular small footprint beams.....any body have any suggestions. I know I can go to the reflector for each of these antennas and others,but find the members on a reflector for a pertictulat ant or product are of course very biased on their? product. I thought this being a GENERAL info? reflector on antennas ,I could get some guideance on my selection of a antenna.
>> ?? well guy ,thanks for reading,hope someone can point me in a? good direction.
>> thanks
>> dale wt4t
>>
>>

5929. RE: [ham-antennas] OT - 75 Ohm Coax

Yahoo group: ham-antennas (2008)
Date: 2008-09-17 19:30:07 UTC
From: Callum M0MCX
Topic: 5916 Message: 5929

Allan,

Try WF-165. It☐s same style as RG213 but 75 ohm.

Nevada stock it.

See http://www.nevadaradio.co.uk/acatalog/cable-wf1651.html

I☐m doing exactly the same as you, replacing my cheap crappy stuff with
WF-165 to cut down on home-made interference.

Cheers,

Callum McCormick
http://www.m0mcx.co.uk/
If you think education is expensive, try ignorance.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On
Behalf Of Allan Kissack
Sent: 17 September 2008 13:46
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] OT - 75 Ohm Coax

Slightly off topic....
I want to re-wire my TV leads with better standard 75 ohm cable. However all
teh UK sources I can find have only upto 60% braid coverage (albeit with
foil as well).

Is there a source of 80%+ braid covered 75 cable available?
If not is 60% with foil any good by comparison?
Can RG58A/U be used as an alternative or will the impedance mismatch negate
any gain

thanks

--
Allan
2E0EAK
Lincs. UK

[Non-text portions of this message have been removed]

5930. Re: [ham-antennas] Butternut Vertical

Yahoo group: ham-antennas (2008)
Date: 2008-09-17 23:13:26 UTC
From: w8okn@charter.net
Topic: 5914 Message: 5930

Are you familier with this antenna and do you have one?

W8OKN

----- Original Message -----
From: W5CPT
To: ham-antennas@yahoogroups.com
Sent: Wednesday, September 17, 2008 2:12 PM
Subject: Re: [ham-antennas] Butternut Vertical

All the Butternut antennas (except the "2" series) are the same. Download the manual for the HF9V and only use the sections of the manual for the parts you have. The only "yah-but" is that there were 2 different "6" models. One early and one late. Not a lot of differences but some.

Clint - W5CPT - HF7V (was a "6" and I added a band)

----- Original Message -----
From: w8okn@...
To: ham-antennas@yahoogroups.com
Sent: Wednesday, September 17, 2008 11:40 AM
Subject: [ham-antennas] Butternut Vertical

Need some help...

I just was given a Butternut vertical. A long time family ham friend just passed away. I need help identifying it and piecing it back together. One of the coils is broken and so forth.

If I can get help identifying, I can download a manual and go from there.

Is there anyone on the list that can tell me which I have, if I send them digital photos?

Thanks,

From the desk of W8OKN, northern Michigan

[Non-text portions of this message have been removed]

No virus found in this incoming message.
Checked by AVG.
Version: 7.5.524 / Virus Database: 270.6.21/1675 - Release Date: 9/16/2008 7:06 PM

[Non-text portions of this message have been removed]

5931. Re: [ham-antennas] Butternut Vertical

Yahoo group: ham-antennas (2008)
Date: 2008-09-18 01:37:00 UTC
From: W5CPT
Topic: 5914 Message: 5931

Yes I have an early HF6V to which has been added the 6M stub, and the 30M coil making it an HF8V (which Butternut never offered). They went from an HF6V to the HF9V. Mine does 80, 40, 30, 20, 17, 15, 10 & 6 Meters. I have had it for about 15 years buying it used. I moved a lot and put it up everywhere I went. It is a little worse for wear and right now only has the 80 & 40 M coils on it. It has had as little as a ground rod under it with no radials to a full radial field of 60 66' radials. It works better of course with the full radial field, but in soggy bottom soil as I had in Texas it worked quite well with only the ground rod. If you plan to use one, plan on as many radials as you can manage as long as you can fit. Only one rule for ground mounted verticals when it comes to radials:

More and longer is better !

Don't sweat the number (as long it is over 8) or the length (as long as it is over 33'), and they don't have to be straight or perfectly spaced. Elevated radials are something else altogether. Numbers and length and layout do matter when you elevate the radials. I did it once and will never attempt it again as I lost more than I gained by elevating the antenna and radials but others have made it work. They are sort of like Quads, great if you can keep them in the air but they don't work worth a hoot laying in a pile in the yard. (but I digress).

Clint - W5CPT

----- Original Message -----
From: w8okn@...
To: ham-antennas@yahoogroups.com
Sent: Wednesday, September 17, 2008 6:13 PM
Subject: Re: [ham-antennas] Butternut Vertical

Are you familier with this antenna and do you have one?

W8OKN

----- Original Message -----
From: W5CPT
To: ham-antennas@yahoogroups.com
Sent: Wednesday, September 17, 2008 2:12 PM
Subject: Re: [ham-antennas] Butternut Vertical

All the Butternut antennas (except the "2" series) are the same. Download the manual for the HF9V and only use the sections of the manual for the parts you have. The only "yah-but" is that there were 2 different "6" models. One early and one late. Not a lot of differences but some.

Clint - W5CPT - HF7V (was a "6" and I added a band)

----- Original Message -----
From: w8okn@...

To: ham-antennas@yahoogroups.com
Sent: Wednesday, September 17, 2008 11:40 AM
Subject: [ham-antennas] Butternut Vertical

Need some help...

I just was given a Butternut vertical. A long time family ham friend just passed away. I need help identifying it and piecing it back together. One of the coils is broken and so forth.

If I can get help identifying, I can download a manual and go from there.

Is there anyone on the list that can tell me which I have, if I send them digital photos?

Thanks,

From the desk of W8OKN, northern Michigan

[Non-text portions of this message have been removed]

No virus found in this incoming message.
Checked by AVG.
Version: 7.5.524 / Virus Database: 270.6.21/1675 - Release Date: 9/16/2008 7:06 PM

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

5932. Re: end fed dipole

Yahoo group: ham-antennas (2008)
Date: 2008-09-18 04:24:28 UTC
From: Tom Horne
Topic: 5886 Message: 5932

Paul
A trombone balun is a new one on me. Could you please explain?
--
Tom Horne, W3TDH

> 1f. Re: end fed dipole
> <http://groups.yahoo.com/group/ham-antennas/message/5923;_ylc=X3oDMTJyNjdwdmptBF9TAzk3MzU5NzE1BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAM1OTIzBHNlYwNkbXNnBHNsawN2bXNnBHN0aW1lAzEyMjE2NjU1MjE->
>
>
> Posted by: "Paul" paul_c_g@...
> <mailto:paul_c_g@...?Subject=%20Re%3A%20end%20fed%20dipole>
> k9erg_1 <http://profiles.yahoo.com/k9erg_1>
>
>
> Wed Sep 17, 2008 8:31 am (PDT)
>
> Not very close... SAME AS...
>
> and feed it through a 4:1 trombone balun to prevent RF currents on
> the outside of the coax.
>
> Paul - K9ERG
>

[Non-text portions of this message have been removed]

5933. Signs you need...

Yahoo group: ham-antennas (2008)
Date: 2008-09-18 04:23:18 UTC
From: frontrowe1
Topic: 5933 Message: 5933

First, thanks again for letting me post here. From the response, it seems like many of you can use these signs.

I have two different signs up on a new ebay auction.

One is an RF Caution sign with all of the details to make your RF area safe and legal.

The second sign is a No Climbing sign which gives warning that your structure should only be climbed by qualified individuals.

Both of these signs can provide validation and protection for your communications facility.

View both of the signs and details by pasting this link into your browser.

http://shop. ebay.com/ merchant/ brjecass

Don't hesitate to ask if you have any questions or need more info.
Thanks for looking.
BR

5934. Re: [ham-antennas] Re: end fed dipole

Yahoo group: ham-antennas (2008)
Date: 2008-09-18 04:26:37 UTC
From: Earl Needham
Topic: 5886 Message: 5934

Tom Horne wrote:
>
>
> Paul
> A trombone balun is a new one on me. Could you please explain?

I found some information at
<http://www.labtel.cl/ing-civil/prop_ant/Experi_8.pdf> -- my Spanish is
very rusty, though...

Earl
--
KD5XB -- Earl Needham
Clovis, New Mexico DM84jk
http://groups.yahoo.com/group/cw_bugs
Quoting from the Coast Guard: ZUT

5935. Indoor loop antennas for QRP transmitting

Yahoo group: ham-antennas (2008)
Date: 2008-09-18 12:52:09 UTC
From: geo
Topic: 5935 Message: 5935

Hi

I'm interested in seeing what exists for relatively low power (under 50 watts) indoor transmitting loop antennas to cover shortwave transmitting?

Does anyone have any suggestions?

Thanks.

5936. RE: [ham-antennas] Re: end fed dipole

Yahoo group: ham-antennas (2008)
Date: 2008-09-18 13:07:47 UTC
From: Richard Schmuke
Topic: 5886 Message: 5936

Tom ,

They are in all the ARRL hand books and antenna books, it is a loop of coax shaped like a trombone and help match the antenna to the coax.

Rich , KDØZZ

] On Behalf Of Tom Horne
Subject: [ham-antennas] Re: end fed dipole

Paul
A trombone balun is a new one on me. Could you please explain?
--
Tom Horne, W3TDH

> 1f. Re: end fed dipole
>
<http://groups.yahoo.com/group/ham-antennas/message/5923;_ylc=X3oDMTJyNjdwdm
ptBF9TAzk3MzU5NzE1BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAM1OT
IzBHNlYwNkbXNnBHNsawN2bXNnBHN0aW1lAzEyMjE2NjU1MjE->
>
>
> Posted by: "Paul" paul_c_g@... <mailto:paul_c_g%40yahoo.com>
> <mailto:paul_c_g@yahoo.com <mailto:paul_c_g%40yahoo.com>
?Subject=%20Re%3A%20end%20fed%20dipole>
> k9erg_1 <http://profiles.yahoo.com/k9erg_1>
>
>
> Wed Sep 17, 2008 8:31 am (PDT)
>
> Not very close... SAME AS...
>
> and feed it through a 4:1 trombone balun to prevent RF currents on
> the outside of the coax.
>
> Paul - K9ERG
>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

5937. Re: end fed dipole

Yahoo group: ham-antennas (2008)
Date: 2008-09-18 14:02:35 UTC
From: gadzooks.mike
Topic: 5886 Message: 5937

Can't you direct feed a j-pole to 50ohm coax? Why a 4:1 BALUN?

--- In ham-antennas@yahoogroups.com, "Richard Schmuke" <rdj@...>
wrote:
>
> Tom ,
>
> They are in all the ARRL hand books and antenna books, it is a loop
of coax
> shaped like a trombone and help match the antenna to the coax.
>
>
>
>
>
> Rich , KDØZZ
>
>
>
>
>
>
>
>] On Behalf Of Tom Horne
> Subject: [ham-antennas] Re: end fed dipole
>
>
>
> Paul
> A trombone balun is a new one on me. Could you please explain?
> --
> Tom Horne, W3TDH
>
> > 1f. Re: end fed dipole
> >
> <http://groups.yahoo.com/group/ham-
antennas/message/5923;_ylc=X3oDMTJyNjdwdm
>
ptBF9TAzk3MzU5NzE1BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARtc2dJ
ZAM1OT
> IzBHNlYwNkbXNnBHNsawN2bXNnBHN0aW1lAzEyMjE2NjU1MjE->
> >
> >
> > Posted by: "Paul" paul_c_g@... <mailto:paul_c_g%40yahoo.com>
> > <mailto:paul_c_g@... <mailto:paul_c_g%40yahoo.com>

> ?Subject=%20Re%3A%20end%20fed%20dipole>
> > k9erg_1 <http://profiles.yahoo.com/k9erg_1>
> >
> >
> > Wed Sep 17, 2008 8:31 am (PDT)
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> > and feed it through a 4:1 trombone balun to prevent RF currents on
> > the outside of the coax.
> >
> > Paul - K9ERG
> >
>
> [Non-text portions of this message have been removed]
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

5938. "trombone balun" = RF choke

Yahoo group: ham-antennas (2008)
Date: 2008-09-18 14:19:50 UTC
From: vaclav sal
Topic: 5886 Message: 5938

This "trombone balun" is not a matching device. It is a RF choke blocking current on the OUTSIDE of the coaxial feedline. This current will radiate unvanted RF and its radiation is dependent on the length of the feedline.
For detailed explanation see Maxwell's W2DU Reflections II.
73 AA7EJ Vaclav

[Non-text portions of this message have been removed]

5939. RE: [ham-antennas] Re: end fed dipole

Yahoo group: ham-antennas (2008)
Date: 2008-09-18 14:38:55 UTC
From: MIKE DURKIN
Topic: 5886 Message: 5939

The dual band J-pole made by Arrow is direct fed at the base (end fed) and works fine.....

i put it at the top of my MFJ-1798 for another added band (still looking to add 60 meters !!!)

KC7NOA

> Subject: [ham-antennas] Re: end fed dipole
>
>
> Can't you direct feed a j-pole to 50ohm coax? Why a 4:1 BALUN?
>
> --- In ham-antennas@yahoogroups.com, "Richard Schmuke"
> wrote:
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>> Tom ,
>>
>> They are in all the ARRL hand books and antenna books, it is a loop
> of coax
>> shaped like a trombone and help match the antenna to the coax.
>>
>>
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>>
>> Rich , KDØZZ
>>
>>
>>
>>
>>
>>
>>
>>] On Behalf Of Tom Horne
>> Subject: [ham-antennas] Re: end fed dipole
>>
>>
>>
>> Paul
>> A trombone balun is a new one on me. Could you please explain?
>> --
>> Tom Horne, W3TDH
>>
>>> 1f. Re: end fed dipole
>>>

>> antennas/message/5923;_ylc=X3oDMTJyNjdwdm
>>
> ptBF9TAzk3MzU5NzE1BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARtc2dJ
> ZAM1OT
>> IzBHNlYwNkbXNnBHNsawN2bXNnBHN0aW1lAzEyMjE2NjU1MjE->
>>>
>>>
>>> Posted by: "Paul" paul_c_g@...
>>>
>> ?Subject=%20Re%3A%20end%20fed%20dipole>
>>> k9erg_1
>>>
>>>
>>> Wed Sep 17, 2008 8:31 am (PDT)
>>>
>>> Not very close... SAME AS...
>>>
>>> and feed it through a 4:1 trombone balun to prevent RF currents on
>>> the outside of the coax.
>>>
>>> Paul - K9ERG
>>>
>>

_____
Stay up to date on your PC, the Web, and your mobile phone with Windows Live.
http://clk.atdmt.com/MRT/go/msnnkwxp1020093185mrt/direct/01/

5940. RE: [ham-antennas] Re: end fed dipole

Yahoo group: ham-antennas (2008)
Date: 2008-09-18 15:17:08 UTC
From: Richard Schmuke
Topic: 5886 Message: 5940

You can and do direct feed a J-Pole with a 50 ohm coax , at the 50 ohm point not at the end. You were taking about end feeding ½ a dipole, I think. Are we talking about an end fed Zepp , dipole or J-pole ??

I was wrong to use the word ☐match☐ with the trombone.

Rich , KDØZZ

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@...m] On Behalf Of gadzooks.mike
Sent: Thursday, September 18, 2008 9:03 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: end fed dipole

Can't you direct feed a j-pole to 50ohm coax? Why a 4:1 BALUN?

--- In ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
, "Richard Schmuke" <rdj@...>
wrote:
>
> Tom ,
>
> They are in all the ARRL hand books and antenna books, it is a loop
of coax
> shaped like a trombone and help match the antenna to the coax.
>
>
>
>
>
> Rich , KDØZZ
>
>
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>
>
>] On Behalf Of Tom Horne
> Subject: [ham-antennas] Re: end fed dipole
>
>
>
> Paul
> A trombone balun is a new one on me. Could you please explain?
> --

> Tom Horne, W3TDH
>
> > 1f. Re: end fed dipole
> >
> <http://groups.yahoo.com/group/ham-
antennas/message/5923;_ylc=X3oDMTJyNjdwdm
>
ptBF9TAzk3MzU5NzE1BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARtc2dJ
ZAM1OT
> IzBHNlYwNkbXNnBHNsawN2bXNnBHN0aW1lAzEyMjE2NjU1MjE->
> >
> >
> > Posted by: "Paul" paul_c_g@... <mailto:paul_c_g%40yahoo.com>
> > <mailto:paul_c_g@... <mailto:paul_c_g%40yahoo.com>
> ?Subject=%20Re%3A%20end%20fed%20dipole>
> > k9erg_1 <http://profiles.yahoo.com/k9erg_1>
> >
> >
> > Wed Sep 17, 2008 8:31 am (PDT)
> >
> > Not very close... SAME AS...
> >
> > and feed it through a 4:1 trombone balun to prevent RF currents on
> > the outside of the coax.
> >
> > Paul - K9ERG
> >
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> [Non-text portions of this message have been removed]
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> [Non-text portions of this message have been removed]
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[Non-text portions of this message have been removed]

5941. RE: [ham-antennas] Re: end fed dipole

Yahoo group: ham-antennas (2008)
Date: 2008-09-18 15:39:39 UTC
From: Richard Schmuke
Topic: 5886 Message: 5941

The Arrow is end fed as you say , it is a ¼ wave vertical on 2m with the ¾ wave element next to it. The difference with most J-poles is the construction, they have all parts connected without an insulator and the tapped at the 50 ohm point. The arrow is a good set up but cost too much for me as does copper. I made my j-pole from scrap plastic and a stick of ½ conduit. I have made several for our club members.

Rich , KDØZZ

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of MIKE DURKIN
Sent: Thursday, September 18, 2008 9:39 AM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Re: end fed dipole

The dual band J-pole made by Arrow is direct fed at the base (end fed) and works fine.....

i put it at the top of my MFJ-1798 for another added band (still looking to add 60 meters !!!)

KC7NOA

> Subject: [ham-antennas] Re: end fed dipole
>
>
> Can't you direct feed a j-pole to 50ohm coax? Why a 4:1 BALUN?
>
> --- In ham-antennas@yahoogroups.com
<mailto:ham-antennas%40yahoogroups.com> , "Richard Schmuke"
> wrote:
>>
>> Tom ,
>>
>> They are in all the ARRL hand books and antenna books, it is a loop
> of coax
>> shaped like a trombone and help match the antenna to the coax.
>>
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>>
>> Rich , KDØZZ
>>
>>

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>>
>>] On Behalf Of Tom Horne
>> Subject: [ham-antennas] Re: end fed dipole
>>
>>
>>
>> Paul
>> A trombone balun is a new one on me. Could you please explain?
>> --
>> Tom Horne, W3TDH
>>
>>> 1f. Re: end fed dipole
>>>
>> antennas/message/5923;_ylc=X3oDMTJyNjdwdm
>>
> ptBF9TAzk3MzU5NzE1BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARtc2dJ
> ZAM1OT
>> IzBHNlYwNkbXNnBHNsawN2bXNnBHN0aW1lAzEyMjE2NjU1MjE->
>>>
>>>
>>> Posted by: "Paul" paul_c_g@...
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>> ?Subject=%20Re%3A%20end%20fed%20dipole>
>>> k9erg_1
>>>
>>>
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>>> and feed it through a 4:1 trombone balun to prevent RF currents on
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>>>
>>

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Live.
http://clk.atdmt.com/MRT/go/msnnkwxp1020093185mrt/direct/01/

[Non-text portions of this message have been removed]

5942. HY-GAIN AV-640 VERTICAL

Yahoo group: ham-antennas (2008)
Date: 2008-09-18 16:09:38 UTC
From: yash@aol.com
Topic: 5942 Message: 5942

Does anyone in the group have any real life opinions about this antenna? I have no room for any vertical that requires radials,need a counterpoise antenna. I have tried the gap titan,and the r-8,ok but not great. I have heard the 640 was a good performer for a vertical.
?? Looking for any and all opinions.
thanks
dale wt4t

[Non-text portions of this message have been removed]

5943. Re: [ham-antennas] HY-GAIN AV-640 VERTICAL

Yahoo group: ham-antennas (2008)
Date: 2008-09-18 16:33:43 UTC
From: Brad Gass
Topic: 5942 Message: 5943

JUST AN EDITORIAL:

I have a MFJ-1796 Vertical on the roof of my city house. Verticals are extremely short and this antenna has gotten me Europe, South America with great reports. Its a bit cumbersome on getting it tuned, but i am very satisfied with the results, especially with the bands the way they have been.
Brad N3JPL

--- On Thu, 9/18/08, yash@... <yash@...> wrote:

From: yash@... <yash@...>
Subject: [ham-antennas] HY-GAIN AV-640 VERTICAL
To: ham-antennas@yahoogroups.com
Date: Thursday, September 18, 2008, 12:09 PM

Does anyone in the group have any real life opinions about this antenna? I have no room for any vertical that requires radials,need a counterpoise antenna. I have tried the gap titan,and the r-8,ok but not great. I have heard the 640 was a good performer for a vertical.
?? Looking for any and all opinions.
thanks
dale wt4t

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

5944. Re: end fed dipole

Yahoo group: ham-antennas (2008)
Date: 2008-09-18 16:36:37 UTC
From: gadzooks.mike
Topic: 5886 Message: 5944

Dunno. I said something about an end fed Zepp being very similar to
a J-Pole, somebody else wrote back and said it wasn't "similar"
but "the same" and then said to feed it with a 4:1 trombone BALUN.

I spend most of my days confused, no reason this one should be any
different! HI HI

--- In ham-antennas@yahoogroups.com, "Richard Schmuke" <rdj@...>
wrote:
>
> You can and do direct feed a J-Pole with a 50 ohm coax , at the 50
ohm point
> not at the end. You were taking about end feeding ½ a dipole, I
think. Are
> we talking about an end fed Zepp , dipole or J-pole ??
>
>
>
> I was wrong to use the word "match" with the trombone.
>
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>
> Rich , KDØZZ
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>
> From: ham-antennas@yahoogroups.com [mailto:ham-
antennas@yahoogroups.com] On
> Behalf Of gadzooks.mike
> Sent: Thursday, September 18, 2008 9:03 AM
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] Re: end fed dipole
>
>
>
> Can't you direct feed a j-pole to 50ohm coax? Why a 4:1 BALUN?
>
> --- In ham-antennas@yahoogroups.com <mailto:ham-antennas%
40yahoogroups.com>

> , "Richard Schmuke" <rdj@>
> wrote:
> >
> > Tom ,
> >
> > They are in all the ARRL hand books and antenna books, it is a
loop
> of coax
> > shaped like a trombone and help match the antenna to the coax.
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> >
> >
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> >
> > Rich , KDØZZ
> >
> >
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> >
> >
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> >
> >] On Behalf Of Tom Horne
> > Subject: [ham-antennas] Re: end fed dipole
> >
> >
> >
> > Paul
> > A trombone balun is a new one on me. Could you please explain?
> > --
> > Tom Horne, W3TDH
> >
> > > 1f. Re: end fed dipole
> > >
> > <http://groups.yahoo.com/group/ham-
> antennas/message/5923;_ylc=X3oDMTJyNjdwdm
> >
>
ptBF9TAzk3MzU5NzE1BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARtc2dJ
> ZAM1OT
> > IzBHNlYwNkbXNnBHNsawN2bXNnBHN0aW1lAzEyMjE2NjU1MjE->
> > >
> > >
> > > Posted by: "Paul" paul_c_g@ <mailto:paul_c_g%40yahoo.com>
> > > <mailto:paul_c_g@ <mailto:paul_c_g%40yahoo.com>
> > ?Subject=%20Re%3A%20end%20fed%20dipole>
> > > k9erg_1 <http://profiles.yahoo.com/k9erg_1>
> > >
> > >
> > > Wed Sep 17, 2008 8:31 am (PDT)

> > >
> > > Not very close... SAME AS...
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> > > and feed it through a 4:1 trombone balun to prevent RF currents
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> > > the outside of the coax.
> > >
> > > Paul - K9ERG
> > >
> >
> > [Non-text portions of this message have been removed]
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> > [Non-text portions of this message have been removed]
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> [Non-text portions of this message have been removed]
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5945. Re: HY-GAIN AV-640 VERTICAL

Yahoo group: ham-antennas (2008)
Date: 2008-09-18 17:32:18 UTC
From: Leroy Griffiths
Topic: 5942 Message: 5945

I have the AV-640 and absolutely love it. From Pennsylvania I've worked South Africa, all over Europe, Alaska, Japan...everywhere, and I've always got great reports, all done running only 100 watts. My antenna is mounted only 10 feet above ground. So, if you can get one, you'd be very happy based on my usage. Enjoy!

Leroy - kb3msu

--- In ham-antennas@yahoogroups.com, yash@... wrote:
>
> Does anyone in the group have any real life opinions about this antenna? I have no room for any vertical that requires radials,need a counterpoise antenna. I have tried the gap titan,and the r-8,ok but not great. I have heard the 640 was a good performer for a vertical.
> ?? Looking for any and all opinions.
> thanks
> dale wt4t
>
>
> [Non-text portions of this message have been removed]
>

5946. Re: [ham-antennas] HY-GAIN AV-640 VERTICAL

Yahoo group: ham-antennas (2008)
Date: 2008-09-18 18:23:45 UTC
From: Dan Schaaf
Topic: 5942 Message: 5946

Dale

We have talked before. I am using this antenna with excellent success. Ask any pertinent questions and I will be happy to answer them.

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com "In the Beginning, there was Spark Gap"

----- Original Message -----
From: Brad Gass
To: ham-antennas@yahoogroups.com
Sent: Thursday, September 18, 2008 12:33 PM
Subject: Re: [ham-antennas] HY-GAIN AV-640 VERTICAL

JUST AN EDITORIAL:

I have a MFJ-1796 Vertical on the roof of my city house. Verticals are extremely short and this antenna has gotten me Europe, South America with great reports. Its a bit cumbersome on getting it tuned, but i am very satisfied with the results, especially with the bands the way they have been.
Brad N3JPL

--- On Thu, 9/18/08, yash@... <yash@...> wrote:

From: yash@... <yash@...>
Subject: [ham-antennas] HY-GAIN AV-640 VERTICAL
To: ham-antennas@yahoogroups.com
Date: Thursday, September 18, 2008, 12:09 PM

Does anyone in the group have any real life opinions about this antenna? I have no room for any vertical that requires radials,need a counterpoise antenna. I have tried the gap titan,and the r-8,ok but not great. I have heard the 640 was a good performer for a vertical.
?? Looking for any and all opinions.
thanks
dale wt4t

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

5947. Re: [ham-antennas] Re: Inverted L ??

Yahoo group: ham-antennas (2008)
Date: 2008-09-18 18:41:36 UTC
From: KE7JSL@tmo.blackberry.net
Topic: 5844 Message: 5947

>That build a tube amplifier suggestion is an example of why there is so much disrespect aimed at the old guard in radio

I'm proud to be an appliance operator.

John
KE7JSL
Sent via BlackBerry from T-Mobile

5948. RE: [ham-antennas] Re: Inverted L ??

Yahoo group: ham-antennas (2008)
Date: 2008-09-18 20:50:13 UTC
From: Richard Schmuke
Topic: 5844 Message: 5948

John ,

it is the same today as it was 30 years ago. My first SSB rig was a set of Kenwood twins , I loved them but was told by the □old guard□ on the air by more than one that I should get Collins equipment for better audio and receive. I still run Kenwood HF and VHF today.

I love to build , you keep operating so I will have something to build. It won□t work without all of us.

Rich , KDØZZ

On Behalf Of KE7JSL@tmo.blackberry.net
Subject: Re: [ham-antennas] Re: Inverted L ??

>That build a tube amplifier suggestion is an example of why there is so much disrespect aimed at the old guard in radio

I'm proud to be an appliance operator.

John
KE7JSL
Sent via BlackBerry from T-Mobile

[Non-text portions of this message have been removed]

5949. Super J pole success

Yahoo group: ham-antennas (2008)
Date: 2008-09-18 21:02:56 UTC
From: Randy McKenzie
Topic: 5949 Message: 5949

I found some plans for a "super J pole" on the web and decided to try it out. The super J is a 1/2 wave above a normal J with phased 1/2 wave section making a colinear. The notes said a gain of 6db.

I figured the size and actually built one for 161 mhz to use with my scanner to listen to railroad (Im a big railfan too)

I constructed the lower portion from scrap 1/2 " copper pipe and the top section from a salvaged mobile whip. The 1/2 wave section was made from #14 solid wire.

I first built the lower section, tuned it to 161 with my MFJ antenna toy. It tuned 1.0/1 and then I adjusted the top section.

I also compared the super j to a 1/4 wave ground plane.

The results:

The j pole alone measured 3 db gain over the ground plane.
The super J measured 6-7 db gain over the ground plane.

Notes of interest:
The 1/2 wave tuning section works best when out to the side. If circled around the mast it lost about 2 db.

If your looking for a neat little antenna and some decent results, give the Super J a try!

Randy
KK4EJ

5950. Re: [ham-antennas] Re: Inverted L ??

Yahoo group: ham-antennas (2008)
Date: 2008-09-18 21:10:28 UTC
From: KE7JSL@tmo.blackberry.net
Topic: 5844 Message: 5950

Thanks Rich.

> I love to build , you keep operating so I will have something to build. It won’t work without all of us
Sent via BlackBerry from T-Mobile

5951. RE: [ham-antennas] Super J pole success

Yahoo group: ham-antennas (2008)
Date: 2008-09-18 21:38:50 UTC
From: Richard Schmuke
Topic: 5949 Message: 5951

Randy

Thanks for the reporting the test , I also built one but did not test it. I keep talking about a test set up it but did not get around to it. The phasing section on mine is straight out to the side and from 14ga copperweld. It is for 146Mhz. I used PCV for the lower section with copper wire on the outside the PVC, then the phase section with a SS whip on top.

Rich , KDØZZ

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Randy McKenzie
Subject: [ham-antennas] Super J pole success

I found some plans for a "super J pole" on the web and decided to try it out. The super J is a 1/2 wave above a normal J with phased 1/2 wave section making a colinear. The notes said a gain of 6db.

I figured the size and actually built one for 161 mhz to use with my scanner to listen to railroad (Im a big railfan too)

I constructed the lower portion from scrap 1/2 " copper pipe and the top section from a salvaged mobile whip. The 1/2 wave section was made from #14 solid wire.

I first built the lower section, tuned it to 161 with my MFJ antenna toy. It tuned 1.0/1 and then I adjusted the top section.

I also compared the super j to a 1/4 wave ground plane.

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Notes of interest:
The 1/2 wave tuning section works best when out to the side. If circled around the mast it lost about 2 db.

If your looking for a neat little antenna and some decent results, give the Super J a try!

Randy
KK4EJ

[Non-text portions of this message have been removed]

5952. Re: [ham-antennas] Super J pole success

Yahoo group: ham-antennas (2008)
Date: 2008-09-18 22:03:48 UTC
From: Ken Burchfield
Topic: 5949 Message: 5952

Super J yes,
You may want to check this link, for Out side pvc and wire.
I have had good success with mine and its been up for 2 + years...eazy and good!
http://home.comcast.net/~buck0/5-8thx2j.htm
73 Ken.....Packet 24/7

PacketRadio is Still Alive.....Mississippi.....145.010.....Simplex.....1200 Baud

----- Original Message ----
From: Randy McKenzie <kk4ej@...>
To: ham-antennas@yahoogroups.com
Sent: Thursday, September 18, 2008 3:02:56 PM
Subject: [ham-antennas] Super J pole success

I found some plans for a "super J pole" on the web and decided to try
it out. The super J is a 1/2 wave above a normal J with phased 1/2
wave section making a colinear. The notes said a gain of 6db.

I figured the size and actually built one for 161 mhz to use with my
scanner to listen to railroad (Im a big railfan too)

I constructed the lower portion from scrap 1/2 " copper pipe and the
top section from a salvaged mobile whip. The 1/2 wave section was
made from #14 solid wire.

I first built the lower section, tuned it to 161 with my MFJ antenna
toy. It tuned 1.0/1 and then I adjusted the top section.

I also compared the super j to a 1/4 wave ground plane.

The results:

The j pole alone measured 3 db gain over the ground plane.
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Notes of interest:
The 1/2 wave tuning section works best when out to the side. If
circled around the mast it lost about 2 db.

If your looking for a neat little antenna and some decent results,
give the Super J a try!

Randy
KK4EJ

--

[Non-text portions of this message have been removed]

5953. Re: [ham-antennas] Re: Inverted L ??

Yahoo group: ham-antennas (2008)
Date: 2008-09-18 22:03:56 UTC
From: Steve Friis
Topic: 5844 Message: 5953

KE7JSL@... wrote:
>> That build a tube amplifier suggestion is an example of why there is so
> much disrespect aimed at the old guard in radio
>
>
> I'm proud to be an appliance operator.
>
> John
> KE7JSL
>
>
Shake my hand John. I am proud to know you. I am proud to be from the
old guard since 1960, a builder, a ham and also use appliances with pride.

--
Steve Friis/ WM5Z
These are the humble ramblings of an old phart and in no way should they
influence the actions of any intelligent and sane person.

5954. Re: Inverted L ??

Yahoo group: ham-antennas (2008)
Date: 2008-09-18 22:10:06 UTC
From: k9qb
Topic: 5844 Message: 5954

Oh yeh,...before someone catches my error..."Technically" and
accordng to Nat. Elec Code, you're actually supposed to use #6 for
grounds, but, I use #8 because it's so darn much easier to work with
and I personally don't see the #8 being burned up since there is so
much ground resistance...
Besides that, beyond the service entrance, the NEC doesn't really
address lightning protection for a radio station...that's pretty
much up to us!

Mike,WA5PSE

--- In ham-antennas@yahoogroups.com, "mason_fann" <masonfann@...>
wrote:
>
> This clears up quite a bit for me. I'm guessing the way I have it
now
> the fence is actually acting as the counterpoise, but it's not
> grounded properly for protection. I do have enough wire to re-run
it
> with no coax to the 'wire' post on the tuner, I may try that this
> weekend. My shack is in the basement(finished)and there is an old
> service ground rod outside the window I could use to tie everything
> too. Thanks.
>
> K0MAS
>
>
>
> > >
> >
> > First of all welcome to ham radio, Mas.
> >
> > I got my novice license way back in '66 and got a lot of bum
> > information from "experienced " hams and understand how
frustrating
> > getting on the air can be.
> >
> > You had a lot of responses that unfortunately took all kinds of
> > tangents and some offered just plain bum information.
> >
> > Your dilemma can be easily solved for the moment, but, don't
expect
> > the same results you could get from a complete antenna aloft
like a
> > dipole or a loop or whatever.

> >
> > What you are trying to do is make a less than full-size antenna
work
> > by correcting the mismatch of the antenna to the radio by using
an
> > antenna tuner....
> >
> > You can do that, but, let's clean things up a bit.
> >
> > First of all, understand that "GROUND" is NOT a part of your
> > antenna...We only rely on grounding for lightning protection and
a
> > way to dissipate stray RF...that's it!
> >
> > When you read about 1/4 wave radials buried every 3 degrees
around a
> > broadcast tower...those are part of the antenna...THEY ARE NOT
PART
> > OF THE GROUND!
> >
> > With that said, you can use a random wire shorter than some
resonant
> > length wire at some frequency...but, you lose efficiency very
> > quickly if you don't make up that lost antenna length with some
kind
> > of "counterpoise"...(a fancy word for radial or the missing part
of
> > an antenna)
> >
> > Just don't expect "GROUND" to replace antenna length...
> > If we could do that, we'd just stick our outputs into the ground
and
> > go at it!
> >
> > You can use that 40' "random wire" of yours by just removing any
> > coax between your antenna wire and your tuner and just run the
> > antenna wire right out of the SO239 output jack or connect it to
the
> > unbalanced wire terminal...
> >
> > Make sure you properly ground your station by stabbing a couple
of
> > 8' ground rods a few feet apart, ouside your shack, and tie all
your
> > equipment to it...
> >
> > Tie your grounds together with #8 wire and mechanical clamps to
a
> > single point in your ham shack...
> >

> > Oh yes, don't forget to run some #8 to your "service" ground...
> > Yep, they're ALL supposed to be tied together!...
> >
> > I also tie my outlet grounds in my hamshack to my hamshack
grounds
> > to "short out and equalize" the high frequency component of
> > lightning and other transients.
> >
> > Forget about the fence as part of your ground...But
> > that's "Experimentation"...if you want to get on the air, I'd
say
> > forego the fence as part of your antenna for the moment.
> >
> > Hope I didn't spin your head too hard!
> >
> > Mike, WA5PSE
> >
>

5955. RE: [ham-antennas] Super J pole success

Yahoo group: ham-antennas (2008)
Date: 2008-09-18 23:05:03 UTC
From: Richard Schmuke
Topic: 5949 Message: 5955

Ken , you are right on.

this is the same link I used for my starting dimensions ,only difference
with mine is the top 36□ is 17-7 SS heliarc rod.. I tried one inside the PVC
but it throws the tune way off and I did not follow up with it inside. I did
not have my MFJ analyzer at that time, I need to retry one inside now.

Rich , KDØZZ

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On
Behalf Of Ken Burchfield
Sent: Thursday, September 18, 2008 5:04 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Super J pole success

Super J yes,
You may want to check this link, for Out side pvc and wire.
I have had good success with mine and its been up for 2 + years...eazy and
good!
http://home.comcast.net/~buck0/5-8thx2j.htm
73 Ken.....Packet 24/7

PacketRadio is Still
Alive.....Mississippi.....145.010.....Simplex.....1200 Baud

----- Original Message ----
From: Randy McKenzie <kk4ej@... <mailto:kk4ej%40yahoo.com> >
To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
Sent: Thursday, September 18, 2008 3:02:56 PM
Subject: [ham-antennas] Super J pole success

I found some plans for a "super J pole" on the web and decided to try
it out. The super J is a 1/2 wave above a normal J with phased 1/2
wave section making a colinear. The notes said a gain of 6db.

I figured the size and actually built one for 161 mhz to use with my
scanner to listen to railroad (Im a big railfan too)

I constructed the lower portion from scrap 1/2 " copper pipe and the
top section from a salvaged mobile whip. The 1/2 wave section was
made from #14 solid wire.

I first built the lower section, tuned it to 161 with my MFJ antenna
toy. It tuned 1.0/1 and then I adjusted the top section.

I also compared the super j to a 1/4 wave ground plane.

The results:

The j pole alone measured 3 db gain over the ground plane.
The super J measured 6-7 db gain over the ground plane.

Notes of interest:
The 1/2 wave tuning section works best when out to the side. If circled around the mast it lost about 2 db.

If your looking for a neat little antenna and some decent results, give the Super J a try!

Randy
KK4EJ

--

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

5956. Re: Super J pole success

Yahoo group: ham-antennas (2008)
Date: 2008-09-18 23:42:54 UTC
From: Randy McKenzie
Topic: 5949 Message: 5956

All:

Thanks for the comments! The one I built was a 1/2 over a 1/2 but it seems to have the same results as the linked design.

I will try to get a pic of it and share the construction I used. It seems very solid.

BTW: Ken, I was in Waveland MS 3 years ago with Katrina deployment.

Randy
KK4EJ

--- In ham-antennas@yahoogroups.com, Ken Burchfield <k5jxl@...>
wrote:
>
> Super J yes,
> You may want to check this link, for Out side pvc and wire.
> I have had good success with mine and its been up for 2 +
years...eazy and good!
> http://home.comcast.net/~buck0/5-8thx2j.htm
> 73 Ken.....Packet 24/7
>
> PacketRadio is Still
Alive.....Mississippi.....145.010.....Simplex.....1200 Baud

5957. Re: [ham-antennas] Re: Super J pole success

Yahoo group: ham-antennas (2008)
Date: 2008-09-19 01:29:10 UTC
From: Ken Burchfield
Topic: 5949 Message: 5957

Thanks Randy,
Lots of good folks turned out to help back then,
I met a few of the Hams that were, Here!
73 Ken

PacketRadio is Still Alive.....Mississippi.....145.010.....Simplex.....1200 Baud

----- Original Message ----
From: Randy McKenzie <kk4ej@...>
To: ham-antennas@yahoogroups.com
Sent: Thursday, September 18, 2008 5:42:54 PM
Subject: [ham-antennas] Re: Super J pole success

All:

Thanks for the comments! The one I built was a 1/2 over a 1/2 but it
seems to have the same results as the linked design.

I will try to get a pic of it and share the construction I used. It
seems very solid.

BTW: Ken, I was in Waveland MS 3 years ago with Katrina deployment.

Randy
KK4EJ

--- In ham-antennas@ yahoogroups. com, Ken Burchfield <k5jxl@...>
wrote:
>
> Super J yes,
> You may want to check this link, for Out side pvc and wire.
> I have had good success with mine and its been up for 2 +
years...eazy and good!
> http://home. comcast.net/ ~buck0/5- 8thx2j.htm
> 73 Ken..... ....Packet 24/7
>
> PacketRadio is Still
Alive..... Mississippi. .....145. 010..... .Simplex. .....1200 Baud

--

[Non-text portions of this message have been removed]

5958. Re: [ham-antennas] Re: Inverted L ??

Yahoo group: ham-antennas (2008)
Date: 2008-09-19 03:07:37 UTC
From: DVC3565@aol.com
Topic: 5844 Message: 5958

Steven:
VERY well said OM! But, these new "appliances" are getting harder
& harder for my "old" mind to use. Hi! Hi!

73,
Dave-KJ4PF (going on 42 yrs in the hobby & 31 continuous).

**********Looking for simple solutions to your real-life financial
challenges? Check out WalletPop for the latest news and information, tips and
calculators. (http://www.walletpop.com/?NCID=emlcntuswall00000001)

[Non-text portions of this message have been removed]

5959. Re: "trombone balun" = RF choke

Yahoo group: ham-antennas (2008)
Date: 2008-09-19 04:58:34 UTC
From: Al
Topic: 5886 Message: 5959

Vaclav,

I'd like to see Maxwell's Reflection II.
Where do I get a copy?

Al

--- In ham-antennas@yahoogroups.com, vaclav sal <vaclav_sal@...>
wrote:
>
> This "trombone balun" is not a matching device. It is a RF choke
blocking current on the OUTSIDE of the coaxial feedline. This current
will radiate unvanted RF and its radiation is dependent on the length
of the feedline.
> For detailed explanation see Maxwell's W2DU Reflections II.
> 73 AA7EJ Vaclav
>
>
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>
>
> [Non-text portions of this message have been removed]
>

5960. RE: [ham-antennas] Mobile HF Antenna question

Yahoo group: ham-antennas (2008)
Date: 2008-09-19 12:13:40 UTC
From: Dave Cole
Topic: 5914 Message: 5960

Hi,

Thanks to all for the information!!! Assuming I do not get a screwdriver, any comments on the Hustler antennas?

Dave
No virus found in this outgoing message.
Checked by AVG - http://www.avg.com
Version: 8.0.169 / Virus Database: 270.7.0/1679 - Release Date: 9/18/2008 5:03 PM

5961. Re: [ham-antennas] Re: "trombone balun" = RF choke

Yahoo group: ham-antennas (2008)
Date: 2008-09-19 13:00:34 UTC
From: vaclav sal
Topic: 5886 Message: 5961

Check http://w2du.com/ .
I got mine at swap meet.
Vaclav

[Non-text portions of this message have been removed]

5962. Re: [ham-antennas] Mobile HF Antenna question

Yahoo group: ham-antennas (2008)
Date: 2008-09-19 13:07:58 UTC
From: Earl Needham
Topic: 5914 Message: 5962

Dave Cole wrote:
>
> Hi,
>
> Thanks to all for the information!!! Assuming I do not get a
> screwdriver, any comments on the Hustler antennas?

Probably the most popular HF mobile antennas around, but not particularly efficient. Unless you're running high power, don't get the big resonators, the small ones are just a bit less lossy.

The masts appear to be aluminum tubing -- they bend easily, but the straighten just as easily if you don't get in too big a hurry with it.

In my experience, they work well on 10 through 20 meters, so-so on 40, and not so well on 75.

They are VERY easy to set up, and you can even mount the 2-foot mast and 3 resonators on a CB-antenna mirror mount on an 18-wheeler. In case that's important.

If you get one of the 56" masts, don't buy one with a fold-over joint. They always seem to crack at that joint.

Adapters are available that will allow you to put multiple resonators on the Hustler masts -- and they work. I used to run 5 resonators on mine -- all worked just as if they were the only resonator on the mast, with the caveat that I had to adjust tip lengths just a bit.

7 3
Earl

--
KD5XB -- Earl Needham
Clovis, New Mexico DM84jk
http://groups.yahoo.com/group/cw_bugs
Quoting from the Coast Guard: ZUT

5963. Jpole pics loaded

Yahoo group: ham-antennas (2008)
Date: 2008-09-19 16:44:00 UTC
From: Randy McKenzie
Topic: 5963 Message: 5963

All:

I uploaded some pics showing the details of the J pole I built.

Main support and tuning stub is 1/2 copper pipe. Insulator section is PVC female adaptor and a sched 40 plug. The top section is a mobile whip.

This "super J pole" uses 1/2 wave over a 1/2 wave. Measured gain is 6-7 db over a ground plane.

I installed it at my office today, mostly to listen to local railroad radio, and so far its been great! The J pole was cut for 161 mhz.

No reason the same results cant be found on 2 meters!

Randy
KK4EJ

5964. Re: [ham-antennas] Jpole pics loaded

Yahoo group: ham-antennas (2008)
Date: 2008-09-19 17:26:48 UTC
From: Ken Burchfield
Topic: 5963 Message: 5964

Thanks Randy,
Nice pics and tnx for the mods to the jpole design!
73 Ken

PacketRadio is Still Alive.....Mississippi.....145.010.....Simplex.....1200 Baud

----- Original Message ----
From: Randy McKenzie <kk4ej@...>
To: ham-antennas@yahoogroups.com
Sent: Friday, September 19, 2008 10:44:00 AM
Subject: [ham-antennas] Jpole pics loaded

All:

I uploaded some pics showing the details of the J pole I built.

Main support and tuning stub is 1/2 copper pipe. Insulator section is
PVC female adaptor and a sched 40 plug. The top section is a mobile
whip.

This "super J pole" uses 1/2 wave over a 1/2 wave. Measured gain is 6-7
db over a ground plane.

I installed it at my office today, mostly to listen to local railroad
radio, and so far its been great! The J pole was cut for 161 mhz.

No reason the same results cant be found on 2 meters!

Randy
KK4EJ

[Non-text portions of this message have been removed]

5965. Re: OT - 75 Ohm Coax

Yahoo group: ham-antennas (2008)
Date: 2008-09-19 18:23:05 UTC
From: kg6xf
Topic: 5916 Message: 5965

Allan,

Another off beat question. Are they still using the Belling Lee connectors for TV in the UK? Been a while since I have been back home and last time never really bothered to look.

John ex GM3POK

--- In ham-antennas@yahoogroups.com, "Allan Kissack" <lists-2008@...> wrote:
>
>
>
>
> Slightly off topic....
> I want to re-wire my TV leads with better standard 75 ohm cable. However all teh UK sources I can find have only upto 60% braid coverage (albeit with foil as well).
>
> Is there a source of 80%+ braid covered 75 cable available?
> If not is 60% with foil any good by comparison?
> Can RG58A/U be used as an alternative or will the impedance mismatch negate any gain
>
> thanks
>
> --
> Allan
> 2E0EAK
> Lincs. UK
>
> [Non-text portions of this message have been removed]
>

5966. RE: [ham-antennas] Re: OT - 75 Ohm Coax

Yahoo group: ham-antennas (2008)
Date: 2008-09-19 19:03:30 UTC
From: Callum M0MCX
Topic: 5916 Message: 5966

Apologies for stealing Allan's thunder John but yes they are using those hopeless things. Bloody awful too.

What do you guys have over there?

(For sat and cable, we've at least moved on to F connectors!)

Callum McCormick

http://www.m0mcx.co.uk/

If you think education is expensive, try ignorance.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of kg6xf
Sent: 19 September 2008 19:23
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: OT - 75 Ohm Coax

Allan,

Another off beat question. Are they still using the Belling Lee connectors for TV in the UK? Been a while since I have been back home and last time never really bothered to look.

John ex GM3POK

--- In ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
, "Allan Kissack" <lists-2008@...>
wrote:
>
>
>
>
> Slightly off topic....
> I want to re-wire my TV leads with better standard 75 ohm cable.
However all teh UK sources I can find have only upto 60% braid
coverage (albeit with foil as well).
>
> Is there a source of 80%+ braid covered 75 cable available?
> If not is 60% with foil any good by comparison?
> Can RG58A/U be used as an alternative or will the impedance
mismatch negate any gain
>
> thanks
>
> --

> Allan
> 2E0EAK
> Lincs. UK
>
> [Non-text portions of this message have been removed]
>

[Non-text portions of this message have been removed]

5967. Re: [ham-antennas] Re: OT - 75 Ohm Coax

Yahoo group: ham-antennas (2008)
Date: 2008-09-19 20:42:28 UTC
From: Allan Kissack
Topic: 5916 Message: 5967

in deed we do still use them

--
Allan
2E0EAK
----- Original Message -----
From: kg6xf
To: ham-antennas@yahoogroups.com
Sent: Friday, September 19, 2008 7:23 PM
Subject: [ham-antennas] Re: OT - 75 Ohm Coax

Allan,

Another off beat question. Are they still using the Belling Lee connectors for TV in the UK? Been a while since I have been back home and last time never really bothered to look.

John ex GM3POK

--- In ham-antennas@yahoogroups.com, "Allan Kissack" <lists-2008@...> wrote:
>
>
>
>
> Slightly off topic....
> I want to re-wire my TV leads with better standard 75 ohm cable. However all teh UK sources I can find have only upto 60% braid coverage (albeit with foil as well).
>
> Is there a source of 80%+ braid covered 75 cable available?
> If not is 60% with foil any good by comparison?
> Can RG58A/U be used as an alternative or will the impedance mismatch negate any gain
>
> thanks
>
> --
> Allan
> 2E0EAK
> Lincs. UK
>
> [Non-text portions of this message have been removed]
>

[Non-text portions of this message have been removed]

5968. Re: [ham-antennas] OT - 75 Ohm Coax

Yahoo group: ham-antennas (2008)
Date: 2008-09-19 20:43:28 UTC
From: Allan Kissack
Topic: 5916 Message: 5968

thanks Callum, I'll check it out (but may be a bit thick for what I am after)

--
Allan
2E0EAK
----- Original Message -----
From: Callum M0MCX
To: ham-antennas@yahoogroups.com
Sent: Wednesday, September 17, 2008 8:30 PM
Subject: RE: [ham-antennas] OT - 75 Ohm Coax

Allan,

Try WF-165. It's same style as RG213 but 75 ohm.

Nevada stock it.

See http://www.nevadaradio.co.uk/acatalog/cable-wf1651.html

I'm doing exactly the same as you, replacing my cheap crappy stuff with
WF-165 to cut down on home-made interference.

Cheers,

Callum McCormick
http://www.m0mcx.co.uk/
If you think education is expensive, try ignorance.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On
Behalf Of Allan Kissack
Sent: 17 September 2008 13:46
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] OT - 75 Ohm Coax

Slightly off topic....
I want to re-wire my TV leads with better standard 75 ohm cable. However all
teh UK sources I can find have only upto 60% braid coverage (albeit with
foil as well).

Is there a source of 80%+ braid covered 75 cable available?
If not is 60% with foil any good by comparison?
Can RG58A/U be used as an alternative or will the impedance mismatch negate
any gain

thanks

--
Allan

2E0EAK
Lincs. UK

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

5969. How many radials are needed on the roky-sand soil to inatall multiband vertical?

Yahoo group: ham-antennas (2008)
Date: 2008-09-19 20:43:56 UTC
From: xperts88
Topic: 5969 Message: 5969

Hello I am Tim, I would like to ask anyone
how to measure the impedance, VSWR to use choke bulun out side
the lowest band radials to install manufacture's multiband verticals
with radials? and using a MFJ259B, how to avoid the body effect
to measure them? the closer, the worse data I get?
Next is how much radials do I need for every band (10-80m)on the
rocky-sand soil not burried any radials just one wood piece for a
vertical fixed.Now I put two radials for every band(total amount of
the radials are five folded for the antenna bands so 10 radials) but
even the 10m band could not be tuned and other band could not do so.
I understand somehow to need radials up to 120 but I have restiricted
space so anyone know how to spread and how many radials on the dry
soils to work propery?
I would like to much more informationso I post here.
Tim AH2E

5970. RE: [ham-antennas] OT - 75 Ohm Coax

Yahoo group: ham-antennas (2008)
Date: 2008-09-19 21:07:30 UTC
From: Callum M0MCX
Topic: 5916 Message: 5970

OK.. well, there's other stuff the professionals use. Wait until tomorrow, I have some in the garage that's same size as contractor's coax but 10 times the quality.

I'll get you the type tomorrow.

Callum McCormick
http://www.m0mcx.co.uk/
If you think education is expensive, try ignorance.

5971. RE: [ham-antennas] How many radials are needed on the roky-sand soil to inatall multiband vertical?

Yahoo group: ham-antennas (2008)
Date: 2008-09-19 21:46:32 UTC
From: Callum M0MCX
Topic: 5969 Message: 5971

Tim,

The bottom line is that you will get a 50 ohm match with great SWR with a pair (two) of quarter wave radials raised above the ground sloping down 30 degrees from horizontal, 180 degrees apart and about .2 wavelengths above the ground. You will be achieving roughly same performance as around 60 buried radials.

You can vary these variables a lot (but not the quarter wave dimension) and it won't make too much difference at all. Just elevate yours a couple of feet off ground as a test.

You can do this for all the bands your antenna is supposed to work and all will be fine.

(Of course, if you are heading for grounded radials, this is a different story.. You need lots as discussed, certainly 60+ but I'm not sure what will happen to impedance. I always build elevated radials).

See here for this year's winter vertical project using SG230 as a matching system. Works as a 5/8th on 20m band - just put it up last weekend. Works well on the lower HF bands.

- http://www.m0mcx.co.uk/gallery/index.php?/category/78

Good luck,

Callum McCormick
http://www.m0mcx.co.uk/

5972. Re: Jpole pics loaded

Yahoo group: ham-antennas (2008)
Date: 2008-09-19 21:55:04 UTC
From: ve3diz
Topic: 5963 Message: 5972

Is that measured in dbd or dbi?
Matt, VE3DIZ

--- In ham-antennas@yahoogroups.com, "Randy McKenzie" <kk4ej@...> wrote:
>
> All:
>
> I uploaded some pics showing the details of the J pole I built.
>
> Main support and tuning stub is 1/2 copper pipe. Insulator section is
> PVC female adaptor and a sched 40 plug. The top section is a mobile
> whip.
>
> This "super J pole" uses 1/2 wave over a 1/2 wave. Measured gain is 6-7
> db over a ground plane.
>
> I installed it at my office today, mostly to listen to local railroad
> radio, and so far its been great! The J pole was cut for 161 mhz.
>
> No reason the same results cant be found on 2 meters!
>
> Randy
> KK4EJ
>

5973. RE: [ham-antennas] Jpole pics loaded

Yahoo group: ham-antennas (2008)
Date: 2008-09-19 21:56:41 UTC
From: Richard Schmuke
Topic: 5963 Message: 5973

Randy ,

Very nice work on your antenna. I might try one like it. I
did a rough and cheap stacked □super j-pole□. I used ½ PVC conduit , and 14
gage copper for the vertical parts, 14ga copperweld for the phasing element
. Regular 14ga copper was not stiff enough for me at 2m. SS welding rod
for the top of the upper element. I added pictures of mine on the 2m band
in the Kd0zz folder of the group. I have not put mine up as I was waiting
until I had other antenna work to do , it will take the place of my j-pole
sitting on top of my beam. Like I said I like the looks of yours better.

Rich , KDØZZ

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On
Behalf Of Randy McKenzie
Sent: Friday, September 19, 2008 11:44 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Jpole pics loaded

All:

I uploaded some pics showing the details of the J pole I built.

Main support and tuning stub is 1/2 copper pipe. Insulator section is
PVC female adaptor and a sched 40 plug. The top section is a mobile
whip.

This "super J pole" uses 1/2 wave over a 1/2 wave. Measured gain is 6-7
db over a ground plane.

I installed it at my office today, mostly to listen to local railroad
radio, and so far its been great! The J pole was cut for 161 mhz.

No reason the same results cant be found on 2 meters!

Randy
KK4EJ

[Non-text portions of this message have been removed]

5974. Re: Jpole pics loaded

Yahoo group: ham-antennas (2008)
Date: 2008-09-19 23:53:52 UTC
From: Randy McKenzie
Topic: 5963 Message: 5974

Real world measurements : DB gain over a 1/4 wave ground plane.

I measured the levels on two scales, DB and microvolts. Compared the levels on a "bare J" which was just the bottom section, and then the "super J" with the top section and phase section added.

The bare J gave about 3 db gain, and the super J about 6-7 db, again gain over a ground plane.

I built this one for the railroad band, design center at 161, and then for my tests I used the local NOAA station as a second test.

Measurements were made using a IFR1200 Service Monitor.

Personally I dont care of the dbi ratings, how can you reference something thats not really possible? Give me real world, a dipole or a ground plane!

Randy
KK4EJ

--- In ham-antennas@yahoogroups.com, "ve3diz" <va3va3va3@...> wrote:
>
> Is that measured in dbd or dbi?
> Matt, VE3DIZ

5975. Re: Jpole pics loaded

Yahoo group: ham-antennas (2008)
Date: 2008-09-20 00:00:36 UTC
From: Randy McKenzie
Topic: 5963 Message: 5975

Thanks for the nice comments Rich!

I used the copper pipe because of the success I have had with it on HF mobile antennas, plus I remodeled my Grandfathers house and the copper was coming out and PVC going in, and as a good ham, I couldnt let the pipe go to the recycle depot!

If I was to make any changes, I would use the gray PVC conduit parts instead, just because they are supposed to be more UV tolerable.

The top whip is mounted onto a 1/4" stainless bolt, making the top section very easy to build. The whip and mount was salvaged from a old business band whip. I drilled the PVC cap in the center and used a star washer under the head and a large flat washer on the top side. The #14 comes under the same nut and bolt with a large ring terminal.

The bottom section of the PVC is a 1/2" female adaptor, and the copper has a male on top. My first test was soldering the wire onto the male adaptor but then I opted to using a small ring terminal and a screw to allow it to be taken apart if needed.

I will try to draw up my plans and post them later.

Randy
KK4EJ

--- In ham-antennas@yahoogroups.com, "Richard Schmuke" <rdj@...>
wrote:
>
> Randy ,
>
> Very nice work on your antenna. I might try one
like it. I
> did a rough and cheap stacked "super j-pole". I used ½ PVC
conduit , and 14
> gage copper for the vertical parts, 14ga copperweld for the
phasing element
> . Regular 14ga copper was not stiff enough for me at 2m. SS
welding rod
> for the top of the upper element. I added pictures of mine on the
2m band
> in the Kd0zz folder of the group. I have not put mine up as I was
waiting
> until I had other antenna work to do , it will take the place of
my j-pole
> sitting on top of my beam. Like I said I like the looks of yours

better.
>
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>
> Rich , KDØZZ
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>
>
> From: ham-antennas@yahoogroups.com [mailto:ham-
antennas@yahoogroups.com] On
> Behalf Of Randy McKenzie
> Sent: Friday, September 19, 2008 11:44 AM
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] Jpole pics loaded
>
>
>
> All:
>
> I uploaded some pics showing the details of the J pole I built.
>
> Main support and tuning stub is 1/2 copper pipe. Insulator section
is
> PVC female adaptor and a sched 40 plug. The top section is a
mobile
> whip.
>
> This "super J pole" uses 1/2 wave over a 1/2 wave. Measured gain
is 6-7
> db over a ground plane.
>
> I installed it at my office today, mostly to listen to local
railroad
> radio, and so far its been great! The J pole was cut for 161 mhz.
>
> No reason the same results cant be found on 2 meters!
>
> Randy
> KK4EJ
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

5976. Re: [ham-antennas] How many radials are needed on the roky-sand soil to inatall multiband vertical?

Yahoo group: ham-antennas (2008)
Date: 2008-09-20 00:08:28 UTC
From: Steve Friis
Topic: 5969 Message: 5976

xperts88 wrote:
> Hello I am Tim, I would like to ask anyone
> how to measure the impedance, VSWR to use choke bulun out side
> the lowest band radials to install manufacture's multiband verticals
> with radials? and using a MFJ259B, how to avoid the body effect
> to measure them? the closer, the worse data I get?
> Next is how much radials do I need for every band (10-80m)on the
> rocky-sand soil not burried any radials just one wood piece for a
> vertical fixed.Now I put two radials for every band(total amount of
> the radials are five folded for the antenna bands so 10 radials) but
> even the 10m band could not be tuned and other band could not do so.
> I understand somehow to need radials up to 120 but I have restiricted
> space so anyone know how to spread and how many radials on the dry
> soils to work propery?
> I would like to much more informationso I post here.
> Tim AH2E
>
>
Hello Tim,

Almost sounds like you live in a place I used to live, Rio Rancho, NM.
It was very sandy and rocky soil.

What I used for a ground radial system (only will work with ground
mounted antenna) is stuff called "rebar mesh". This is iron wire laid
out in a grid and comes is 50' rolls about 6' wide.

I laid mine down on the ground, side by side, 5 rolls, and basically
filled out the back yard before the sod was laid down on top of it. All
the junctions were brazed together. This made what appeared to be a
solid square of conductor, 50'X50'. It was much easier than trying to
measure out 120 radials.

I don't think there was any measurable difference from using 120ea 65'
long radials. I worked just about any station I could hear and always
got excellent reports.

The ground plane, if you will, must have been pretty good as the tuning
range on my butternut antenna was very narrow, meaning the 'Q' was good.

Would I do it again? Yup, in a heart beat if I needed to.

--
Steve Friis/ WM5Z
These are the humble ramblings of an old phart and in no way should they

influence the actions of any intelligent and sane person.

5977. Re: [ham-antennas] Re: Jpole pics loaded

Yahoo group: ham-antennas (2008)
Date: 2008-09-20 00:28:33 UTC
From: Earl Needham
Topic: 5963 Message: 5977

Randy McKenzie wrote:
<snip>
> If I was to make any changes, I would use the gray PVC conduit parts
> instead, just because they are supposed to be more UV tolerable.

Probably wouldn't want to do that -- the gray PVC pipe is not "RF transparent" the way the white stuff is. Everybody I've ever talked to that has wound a coil on gray PVC has the darn thing sitting in a corner or else thrown away -- as it gets hot, the loading changes, rendering it unusable for an antenna.

7 3
Earl

--
KD5XB -- Earl Needham
Clovis, New Mexico DM84jk
http://groups.yahoo.com/group/cw_bugs
Quoting from the Coast Guard: ZUT

5978. Re: [ham-antennas] Re: Jpole pics loaded

Yahoo group: ham-antennas (2008)
Date: 2008-09-20 02:53:32 UTC
From: Steve Friis
Topic: 5963 Message: 5978

Earl Needham wrote:
> Randy McKenzie wrote:
> <snip>
>> If I was to make any changes, I would use the gray PVC conduit parts
>> instead, just because they are supposed to be more UV tolerable.
>
> Probably wouldn't want to do that -- the gray PVC pipe is not "RF
> transparent" the way the white stuff is. Everybody I've ever talked to
> that has wound a coil on gray PVC has the darn thing sitting in a corner
> or else thrown away -- as it gets hot, the loading changes, rendering it
> unusable for an antenna.
>
> 7 3
> Earl
>
Now you tell me. I guess I should take the traps down I built for
160/80/60/40 meters on my dipole. ;-) Only been up for 4 years.

--
Steve Friis/ WM5Z
These are the humble ramblings of an old phart and in no way should they
influence the actions of any intelligent and sane person.

5979. Re: [ham-antennas] Re: Jpole pics loaded

Yahoo group: ham-antennas (2008)
Date: 2008-09-20 03:21:45 UTC
From: Earl Needham
Topic: 5963 Message: 5979

Steve Friis wrote:
>
> Earl Needham wrote:
> >
> > Probably wouldn't want to do that -- the gray PVC pipe is not "RF
> > transparent" the way the white stuff is. Everybody I've ever talked to
> > that has wound a coil on gray PVC has the darn thing sitting in a corner
> > or else thrown away -- as it gets hot, the loading changes, rendering it
> > unusable for an antenna.
> >
> Now you tell me. I guess I should take the traps down I built for
> 160/80/60/40 meters on my dipole. ;-) Only been up for 4 years.

If you're getting away with it, don't change a thing! But if you have
some "mystery SWR change" going on, this might be it! <G>

7 3
Earl

--
KD5XB -- Earl Needham
Clovis, New Mexico DM84jk
http://groups.yahoo.com/group/cw_bugs
Quoting from the Coast Guard: ZUT

5980. Re: [ham-antennas] Re: Jpole pics loaded

Yahoo group: ham-antennas (2008)
Date: 2008-09-20 04:44:44 UTC
From: Steve Friis
Topic: 5963 Message: 5980

Earl Needham wrote:
> Steve Friis wrote:
>> Earl Needham wrote:
>> >
>> > Probably wouldn't want to do that -- the gray PVC pipe is not "RF
>> > transparent" the way the white stuff is. Everybody I've ever talked to
>> > that has wound a coil on gray PVC has the darn thing sitting in a corner
>> > or else thrown away -- as it gets hot, the loading changes, rendering it
>> > unusable for an antenna.
>> >
>> Now you tell me. I guess I should take the traps down I built for
>> 160/80/60/40 meters on my dipole. ;-) Only been up for 4 years.
>
> If you're getting away with it, don't change a thing! But if you have
> some "mystery SWR change" going on, this might be it! <G>
>
> 7 3
> Earl
>
No, actually I went to this stuff (gray PVC) after the white stuff fell
apart after a year. I have run 1000+ watts through these traps for
years. Maybe at UHF there's a problem. Don't know as I use other
materials for antenna for 144 MHz and up (Teflon) but I haven't seen any
problems using the gray PVC. The white disintegrates with the UV really
quickly. The gray is also available in thinner stock than I think the
white (schedule 40) if you look for conduit verses water pipe. This
makes for lighter items suspended in the air.

My 5 peso's worth.
--
Steve Friis/ WM5Z
These are the humble ramblings of an old phart and in no way should they
influence the actions of any intelligent and sane person.

5981. RE: [ham-antennas] Re: Jpole pics loaded

Yahoo group: ham-antennas (2008)
Date: 2008-09-20 12:37:10 UTC
From: Richard Schmuke
Topic: 5963 Message: 5981

```
> Steve Friis wrote:
>> Earl Needham wrote:
>> >
>> > Probably wouldn't want to do that -- the gray PVC pipe is not "RF
>> > transparent" the way the white stuff is. Everybody I've ever talked to
>> > that has wound a coil on gray PVC has the darn thing sitting in a
corner
>> > or else thrown away -- as it gets hot, the loading changes, rendering
it
>> > unusable for an antenna.
>> >
>> Now you tell me. I guess I should take the traps down I built for
>> 160/80/60/40 meters on my dipole. ;-) Only been up for 4 years.
>
> If you're getting away with it, don't change a thing! But if you have
> some "mystery SWR change" going on, this might be it! <G>
>
> 7 3
> Earl
>
No, actually I went to this stuff (gray PVC) after the white stuff fell
apart after a year. I have run 1000+ watts through these traps for
years. Maybe at UHF there's a problem. Don't know as I use other
materials for antenna for 144 MHz and up (Teflon) but I haven't seen any
problems using the gray PVC. The white disintegrates with the UV really
quickly. The gray is also available in thinner stock than I think the
white (schedule 40) if you look for conduit verses water pipe. This
makes for lighter items suspended in the air.

My 5 peso's worth.
--
Steve Friis/ WM5Z
These are the humble ramblings of an old phart and in no way should they
influence the actions of any intelligent and sane person.
```

I don☐t think the white is ☐transparent☐. I made a ☐slim jim☐ style 2m on a stick of wood molding , swr was just fine , placed it in white PVC for protection and lost it completely . Next I made a ☐slim jim☐ with 450ohm line on the outside of grey PVC and a friend is using with no problems. The grey PVC on my stacked j-pole is being used as a support for the wire , so if it is conductive a little , so what? Just rambling like Steve

Rich , KDØZZ

Disclaimer: Any errors in spelling or facts are transmission errors.

[Non-text portions of this message have been removed]

5982. Re: [ham-antennas] Re: Jpole pics loaded

Yahoo group: ham-antennas (2008)
Date: 2008-09-20 14:14:45 UTC
From: Steve Friis
Topic: 5963 Message: 5982

Earl and the group,

I did an experiment last night that you might find interesting. I cut 2 pieces of PVC, one gray 2" diameter by 3" long. Same dimensions for a piece of white PVC pipe. I put them together in the microwave, a 1200 watter from Wal-mart several years ago but still strong. I put the microwave on medium power and let it run with both pieces in the box and rotating on the dish for 30 seconds. When the bell rang, I removed the two pieces. They were both equally warm. They both measured 138 Degrees F.

My conclusion is that they both absorb the same amount of RF energy. So, I guess on my next build I will try to find some 2" diameter Lexan plastic.

Now I wonder if I should order clear or black? ;-)

>> If you're getting away with it, don't change a thing! But if you have
>> some "mystery SWR change" going on, this might be it! <G>
>>
>> 7 3
>> Earl
>>
> No, actually I went to this stuff (gray PVC) after the white stuff fell
> apart after a year. I have run 1000+ watts through these traps for
> years. Maybe at UHF there's a problem. Don't know as I use other
> materials for antenna for 144 MHz and up (Teflon) but I haven't seen any
> problems using the gray PVC. The white disintegrates with the UV really
> quickly. The gray is also available in thinner stock than I think the
> white (schedule 40) if you look for conduit verses water pipe. This
> makes for lighter items suspended in the air.
>
> My 5 peso's worth.

--
Steve Friis/ WM5Z
These are the humble ramblings of an old phart and in no way should they influence the actions of any intelligent and sane person.

5983. Re: end fed dipole

Yahoo group: ham-antennas (2008)
Date: 2008-09-20 15:51:09 UTC
From: Paul
Topic: 5886 Message: 5983

A J-Pole is an end-fed dipole.

A Zepp is an endfed dipole.

The matching network in both cases is a shorted 1/4 wave open wire stub (balanced).

This stub is fed at the point where the impedance is equal to that of the feedline. The feed line should be either balanced line or coax and a bulun.

The easiest wasy is to use a balun which will also perform a 4:1 impedance transformation. The balun that does this is the "trombone".

See:
http://ph.groups.yahoo.com/group/ham-antennas/photos/view/7179?b=1

and:

http://ph.groups.yahoo.com/group/ham-antennas/photos/view/7179?b=2

and:

http://ph.groups.yahoo.com/group/ham-antennas/photos/view/7179?b=3

Measured gain on this co-linear antenna is 3.5 dBd or 5.6 dBi and for those who insist on using a 1/4 antenna as a reference 6.5 dBq.

Paul - K9ERG

--- In ham-antennas@yahoogroups.com, "gadzooks.mike"
<gadzooks.mike@...> wrote:
>
> Dunno. I said something about an end fed Zepp being very similar
to
> a J-Pole, somebody else wrote back and said it wasn't "similar"
> but "the same" and then said to feed it with a 4:1 trombone BALUN.
>
> I spend most of my days confused, no reason this one should be any
> different! HI HI
>
>
> --- In ham-antennas@yahoogroups.com, "Richard Schmuke" <rdj@>
> wrote:
> >
> > You can and do direct feed a J-Pole with a 50 ohm coax , at the
50
> ohm point

> > not at the end. You were taking about end feeding ½ a dipole, I
> think. Are
> > we talking about an end fed Zepp , dipole or J-pole ??
> >
> >
> >
> > I was wrong to use the word "match" with the trombone.
> >
> >
> >
> >
> >
> > Rich , KDØZZ
> >
> >
> >
> >
> >
> >
> >
> > From: ham-antennas@yahoogroups.com [mailto:ham-
> antennas@yahoogroups.com] On
> > Behalf Of gadzooks.mike
> > Sent: Thursday, September 18, 2008 9:03 AM
> > To: ham-antennas@yahoogroups.com
> > Subject: [ham-antennas] Re: end fed dipole
> >
> >
> >
> > Can't you direct feed a j-pole to 50ohm coax? Why a 4:1 BALUN?
> >
> > --- In ham-antennas@yahoogroups.com <mailto:ham-antennas%
> 40yahoogroups.com>
> > , "Richard Schmuke" <rdj@>
> > wrote:
> > >
> > > Tom ,
> > >
> > > They are in all the ARRL hand books and antenna books, it is a
> loop
> > of coax
> > > shaped like a trombone and help match the antenna to the coax.
> > >
> > >
> > >
> > >
> > >
> > > Rich , KDØZZ
> > >
> > >

> > >
> > >
> > >
> > >
> > >
> > >] On Behalf Of Tom Horne
> > > Subject: [ham-antennas] Re: end fed dipole
> > >
> > >
> > >
> > > Paul
> > > A trombone balun is a new one on me. Could you please explain?
> > > --
> > > Tom Horne, W3TDH
> > >
> > > > 1f. Re: end fed dipole
> > > >
> > > <http://groups.yahoo.com/group/ham-
> > antennas/message/5923;_ylc=X3oDMTJyNjdwdm
> > >
> >
>
ptBF9TAzk3MzU5NzE1BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARtc2dJ
> > ZAM1OT
> > > IzBHNlYwNkbXNnBHNsawN2bXNnBHN0aW1lAzEyMjE2NjU1MjE->
> > > >
> > > >
> > > > Posted by: "Paul" paul_c_g@ <mailto:paul_c_g%40yahoo.com>
> > > > <mailto:paul_c_g@ <mailto:paul_c_g%40yahoo.com>
> > > ?Subject=%20Re%3A%20end%20fed%20dipole>
> > > > k9erg_1 <http://profiles.yahoo.com/k9erg_1>
> > > >
> > > >
> > > > Wed Sep 17, 2008 8:31 am (PDT)
> > > >
> > > > Not very close... SAME AS...
> > > >
> > > > and feed it through a 4:1 trombone balun to prevent RF
currents
> on
> > > > the outside of the coax.
> > > >
> > > > Paul - K9ERG
> > > >
> > >
> > > [Non-text portions of this message have been removed]
> > >
> > >
> > >
> > >

> > >
> > > [Non-text portions of this message have been removed]
> > >
> >
> >
> >
> >
> >
> > [Non-text portions of this message have been removed]
> >
>

5984. Re: Jpole pics loaded

Yahoo group: ham-antennas (2008)
Date: 2008-09-20 15:53:55 UTC
From: Al
Topic: 5963 Message: 5984

If you want to extend the the life of the white PVC, you might try
painting it with latex paint which is also available in spray cans if
you look (I've just brushed it on). Latex doesn't adversely affect
the PVC as does solvent based paints and should be RF transparent.
The gray PVC is callled CPVC and is code approved for hot water
lines, and the white stuff is not.
Al in SoCal

--- In ham-antennas@yahoogroups.com, Steve Friis <wm5z@...> wrote:
>
> Earl Needham wrote:
> > Steve Friis wrote:
> >> Earl Needham wrote:
> >> >
> >> > Probably wouldn't want to do that -- the gray PVC pipe is
not "RF
> >> > transparent" the way the white stuff is. Everybody I've ever
talked to
> >> > that has wound a coil on gray PVC has the darn thing sitting
in a corner
> >> > or else thrown away -- as it gets hot, the loading changes,
rendering it
> >> > unusable for an antenna.
> >> >
> >> Now you tell me. I guess I should take the traps down I built for
> >> 160/80/60/40 meters on my dipole. ;-) Only been up for 4 years.
> >
> > If you're getting away with it, don't change a thing! But if
you have
> > some "mystery SWR change" going on, this might be it! <G>
> >
> > 7 3
> > Earl
> >
> No, actually I went to this stuff (gray PVC) after the white stuff
fell
> apart after a year. I have run 1000+ watts through these traps for
> years. Maybe at UHF there's a problem. Don't know as I use other
> materials for antenna for 144 MHz and up (Teflon) but I haven't
seen any
> problems using the gray PVC. The white disintegrates with the UV
really
> quickly. The gray is also available in thinner stock than I think
the
> white (schedule 40) if you look for conduit verses water pipe. This

> makes for lighter items suspended in the air.
>
> My 5 peso's worth.
> --
> Steve Friis/ WM5Z
> These are the humble ramblings of an old phart and in no way should
they
> influence the actions of any intelligent and sane person.
>

5985. Re: How many radials are needed on the roky-sand soil to inatall multiband vertical?

Yahoo group: ham-antennas (2008)
Date: 2008-09-20 17:57:47 UTC
From: xperts88
Topic: 5969 Message: 5985

Hi Callum I had seen your website years ago hi hi---I know
you have a great space you can choose to bury or elevate radials.
Thank you for your elevated radial as I know.
but 5 or 6band, I could not have set them as my trapped vertical
includes 80m and 50ft 33ft elevated radial in not real thing for
me. I need to intall them on 30x40 ft around land lot.
So if you or anyone has a good ideas , please let me know.

In ham-antennas@yahoogroups.com, "Callum M0MCX" <callum@...> wrote:
>
> Tim,
>
> The bottom line is that you will get a 50 ohm match with great SWR
with a
> pair (two) of quarter wave radials raised above the ground sloping
down 30
> degrees from horizontal, 180 degrees apart and about .2 wavelengths
above
> the ground. You will be achieving roughly same performance as around 60
> buried radials.
>
> You can vary these variables a lot (but not the quarter wave
dimension) and
> it won't make too much difference at all. Just elevate yours a couple of
> feet off ground as a test.
>
> You can do this for all the bands your antenna is supposed to work
and all
> will be fine.
>
> (Of course, if you are heading for grounded radials, this is a different
> story.. You need lots as discussed, certainly 60+ but I'm not sure
what will
> happen to impedance. I always build elevated radials).
>
> See here for this year's winter vertical project using SG230 as a
matching
> system. Works as a 5/8th on 20m band - just put it up last weekend.
Works
> well on the lower HF bands.
>
> - http://www.m0mcx.co.uk/gallery/index.php?/category/78
>
> Good luck,

>
> Callum McCormick
> http://www.m0mcx.co.uk/
>

5986. Re: How many radials are needed on the roky-sand soil to inatall multiband vertical?

Yahoo group: ham-antennas (2008)
Date: 2008-09-20 18:00:17 UTC
From: xperts88
Topic: 5969 Message: 5986

Hi Steve,
Your idea is great and it works for multiband
!
but I have 30x50ft land lot . very restricted land lot.
How cand I do that?
Tim
> > Hello I am Tim, I would like to ask anyone
> > how to measure the impedance, VSWR to use choke bulun out side
> > the lowest band radials to install manufacture's multiband verticals
> > with radials? and using a MFJ259B, how to avoid the body effect
> > to measure them? the closer, the worse data I get?
> > Next is how much radials do I need for every band (10-80m)on the
> > rocky-sand soil not burried any radials just one wood piece for a
> > vertical fixed.Now I put two radials for every band(total amount of
> > the radials are five folded for the antenna bands so 10 radials) but
> > even the 10m band could not be tuned and other band could not do so.
> > I understand somehow to need radials up to 120 but I have restiricted
> > space so anyone know how to spread and how many radials on the dry
> > soils to work propery?
> > I would like to much more informationso I post here.
> > Tim AH2E
> >
> >
> Hello Tim,
>
> Almost sounds like you live in a place I used to live, Rio Rancho, NM.
> It was very sandy and rocky soil.
>
> What I used for a ground radial system (only will work with ground
> mounted antenna) is stuff called "rebar mesh". This is iron wire laid
> out in a grid and comes is 50' rolls about 6' wide.
>
> I laid mine down on the ground, side by side, 5 rolls, and basically
> filled out the back yard before the sod was laid down on top of it. All
> the junctions were brazed together. This made what appeared to be a
> solid square of conductor, 50'X50'. It was much easier than trying to
> measure out 120 radials.
>
> I don't think there was any measurable difference from using 120ea 65'
> long radials. I worked just about any station I could hear and always
> got excellent reports.
>
> The ground plane, if you will, must have been pretty good as the tuning
> range on my butternut antenna was very narrow, meaning the 'Q' was good.

>
> Would I do it again? Yup, in a heart beat if I needed to.
>
> --
> Steve Friis/ WM5Z
> These are the humble ramblings of an old phart and in no way should
they
> influence the actions of any intelligent and sane person.
>

5987. Re: Jpole pics loaded - plastic issues

Yahoo group: ham-antennas (2008)
Date: 2008-09-20 18:19:11 UTC
From: Randy McKenzie
Topic: 5963 Message: 5987

OK, I cant resist!!!

How was the plastic after cooking? Was it chewy? What sauces do you recommend with PVC???? VBG!!!!!

Actually, I figured the gray conduit would be better for UV, since its approved for outdoor electrical, like entrances. When I built the house I even used it on the roof vents for the septic, figuring two things, the gray was better with UV and it matched the shingles better than blazing white.

Also, I installed the J pole during a wonderful weather day, violating the ham rule about putting antennas up, but I honestly couldnt wait till it was cold, snowing and icey!

Does this mean I lose a corner off my ham ticket?

Randy
KK4EJ

--- In ham-antennas@yahoogroups.com, Steve Friis <wm5z@...> wrote:
>
> Earl and the group,
>
> I did an experiment last night that you might find interesting. I cut 2
> pieces of PVC, one gray 2" diameter by 3" long. Same dimensions for a
> piece of white PVC pipe. I put them together in the microwave, a 1200
> watter from Wal-mart several years ago but still strong. I put the
> microwave on medium power and let it run with both pieces in the box and
> rotating on the dish for 30 seconds.

5988. Attic HF antennas options? Ideas welcome

Yahoo group: ham-antennas (2008)
Date: 2008-09-20 18:25:48 UTC
From: Randy McKenzie
Topic: 5988 Message: 5988

I have been exploring what I can install at the house without getting the XYL into war mode. So searching my options, the attic is first on the list.

The dimensions are 48 ft long, 32 ft wide, and 6 ft high (4/12 pitch) and constructed with wood trusses. Very few items in the way: one 16 inch stove pipe, 2 plumbing vent lines and one TV antenna not being used. The long dimension is almost due north and south.

What could I get in there and not create a spider web mess for access?

I tried to plan ahead and currently have 4 runs of Belden 9913 coax already there and running down to the basement near my ham desk.

A 20M dipole would fit easy, but surely I can get something more????

Experiences with attic antennas? Input appreciated!

Randy
KK4EJ

5989. Re: [ham-antennas] Attic HF antennas options? Ideas welcome

Yahoo group: ham-antennas (2008)
Date: 2008-09-20 18:31:49 UTC
From: david/lorraine
Topic: 5988 Message: 5989

mine or not for transmitting but this will give you an idea what you can get in. my attic is just a typical size attic
http://www.youtube.com/watch?v=2HPKXRM5NPo and also this proves that indoor antennas do work. this morning i did receive kansas here in scotland on the mw broadcast band
http://www.youtube.com/watch?v=D38yM1nydIw hope this gives you a few ideas. thanks david
----- Original Message -----
From: Randy McKenzie
To: ham-antennas@yahoogroups.com
Sent: Saturday, September 20, 2008 7:25 PM
Subject: [ham-antennas] Attic HF antennas options? Ideas welcome

I have been exploring what I can install at the house without getting the XYL into war mode. So searching my options, the attic is first on the list.

The dimensions are 48 ft long, 32 ft wide, and 6 ft high (4/12 pitch) and constructed with wood trusses. Very few items in the way: one 16 inch stove pipe, 2 plumbing vent lines and one TV antenna not being used. The long dimension is almost due north and south.

What could I get in there and not create a spider web mess for access?

I tried to plan ahead and currently have 4 runs of Belden 9913 coax already there and running down to the basement near my ham desk.

A 20M dipole would fit easy, but surely I can get something more????

Experiences with attic antennas? Input appreciated!

Randy
KK4EJ

[Non-text portions of this message have been removed]

5990. Re: [ham-antennas] Re: Jpole pics loaded

Yahoo group: ham-antennas (2008)
Date: 2008-09-20 19:43:06 UTC
From: Steve Friis
Topic: 5963 Message: 5990

Al wrote:
> If you want to extend the the life of the white PVC, you might try
> painting it with latex paint which is also available in spray cans if
> you look (I've just brushed it on). Latex doesn't adversely affect
> the PVC as does solvent based paints and should be RF transparent.
> The gray PVC is callled CPVC and is code approved for hot water
> lines, and the white stuff is not.
> Al in SoCal
>
>
>
Not all gray pvc is CPVC. CPVC Conduit is gray, but It is not rated for
pressure, but rather it is a water resistant container for conductors.
CPVC is the only one that is Power Factor rated, @1000Hz it has 0.007%.
See <http://www.harvel.com/piping-cpvc.asp?source=yahoo&adgroup=cpvc>
It is able to be buried. Schedule 20 is good for low pressure stuff like
sprinkler systems. It is also the right stuff, as far as I am concerned
for my uses, for coil forms and traps as it is lighter in weight.
Something to consider when suspending a couple of pounds of wire as a
dipole with traps.

CPVC has an upper working temperature limit of 200?F. PVC is rated for
up to 160 degrees F. CPVC is preferred over PVC in some applications
where improved fire and heat resistance are required.

(C)PVC can be aquired in different pressure ratings starting with
Schedule 20 and goes in multiples from there, IE. Schedule 40, Schedule
80 and for really high pressures of up to 7,750 PSI there is Schedule
It may be available in higher ratings, but not what I would be looking
for anyway.

I use CPVC because I know it works, stays in shape, doesn't burn up in
moderate exposure to RF (IE. less than 1500 watts) is inexpensive and
for what I do with it outlasts regular PVC plumbing pipe.

Now Lexan WOULD be better in the short term, but it disintegrates
rapidly in UV exposure, does not withstand thermal shocks well, distorts
in shape when heated, is harder to cut and machine and is much more
expensive. It is about 20:1 in cost, plus shipping as it is not
available locally here in the boondocks. I go to "Home Depot" and can
buy a stick 3 meters long for less than $10.00US, no shipping.

Hope this dispels any rumors about CPVC.

--
Steve Friis/ WM5Z

These are the humble ramblings of an old phart and in no way should they influence the actions of any intelligent and sane person.

5991. Re: [ham-antennas] Re: Jpole pics loaded

Yahoo group: ham-antennas (2008)
Date: 2008-09-20 19:47:44 UTC
From: Earl Needham
Topic: 5963 Message: 5991

Steve Friis wrote:
>
> Earl and the group,
>
> I did an experiment last night that you might find interesting. I cut 2
> pieces of PVC, one gray 2" diameter by 3" long. Same dimensions for a
> piece of white PVC pipe. I put them together in the microwave, a 1200
> watter from Wal-mart several years ago but still strong. I put the
> microwave on medium power and let it run with both pieces in the box and
> rotating on the dish for 30 seconds. When the bell rang, I removed the
> two pieces. They were both equally warm. They both measured 138 Degrees F.
>
> My conclusion is that they both absorb the same amount of RF energy. So,
> I guess on my next build I will try to find some 2" diameter Lexan plastic.
>
> Now I wonder if I should order clear or black? ;-)

Well --

1. I remember reading in QST some years ago abut a home-brew mobile antenna that a fellow wound on gray PVC, and as soon as he tried to tune it up, the SWR was so unstable that he couldn't get a reading. Within about 30 seconds, the PVC got so soft that it bent over.

2. Roy, W5ROY, who lives here in Clovis, wound a mobile coil on gray PVC to build a screwdriver antenna. It would tune OK with the analyzer, but when trying to put 100 watts in it, it would be OK for only a few seconds, then would require retuning. He was using a set of plans of some sort, and he later found in those instructions where it said NOT to use gray PVC.

I'll research this some more and get back on this subject.

7 3
Earl

--
KD5XB -- Earl Needham
Clovis, New Mexico DM84jk
http://groups.yahoo.com/group/cw_bugs
Quoting from the Coast Guard: ZUT

5992. Re: [ham-antennas] Re: How many radials are needed on the roky-sand soil to inatall multiband vertical?

Yahoo group: ham-antennas (2008)
Date: 2008-09-20 20:00:36 UTC
From: Steve Friis
Topic: 5969 Message: 5992

xperts88 wrote:
> Hi Steve,
> Your idea is great and it works for multiband
> !
> but I have 30x50ft land lot . very restricted land lot.
> How cand I do that?
>
>
Just fill up as much of the yard as you can. I was lucky enough to have the bigger lot, but look at it like it is the metal on an auto. You know the ground metal on an automobile is smaller than 30X50ft. What this is equal to is a disk of metal that would be the size of your yard. My truck is 15'X9ft. It is elevated 2ft off the ground, but it works pretty well mobile. Your yard, with this much area would be like having a locomotive for area to mount the antenna on. Even with 5" squares of open space, it will appear to be a solid metal sheet at RF. If you bury this grid, it can be made to look really nice. Even laying on top of the grass wouldn't be to bad.

Just an idea.

--
Steve Friis/ WM5Z
These are the humble ramblings of an old phart and in no way should they influence the actions of any intelligent and sane person.

5993. Re: [ham-antennas] Re: Jpole pics loaded - plastic issues

Yahoo group: ham-antennas (2008)
Date: 2008-09-20 20:03:40 UTC
From: Steve Friis
Topic: 5963 Message: 5993

Randy McKenzie wrote:
> OK, I cant resist!!!
>
> How was the plastic after cooking? Was it chewy? What sauces do you
> recommend with PVC????
>
>
Acitone... LOL Really makes it smell good!!!
<grin>

--
Steve Friis/ WM5Z
These are the humble ramblings of an old phart and in no way should they
influence the actions of any intelligent and sane person.

5994. Re: Attic HF antennas options? Ideas welcome

Yahoo group: ham-antennas (2008)
Date: 2008-09-20 20:04:22 UTC
From: ash_lee52
Topic: 5988 Message: 5994

You have an enormous amount of room... the dilema being that the more antennas you put in it the more they will interact. I would suggest you drop a pipe vertically from as close to dead center as you can and mount a tiny yagi like the Mosley Mini 33. That would give you great performance on 20,15 and 10 meters. They only need 9 feet of radius for turning room. There is also a cushcraft MA5B and a small Butternut which would fit. You might actually be able to get in a bigger yagi if you really have 32 feet of width everywhere. Then around the entire perimeter try a great big loop for lower band coverage.

But I'd also think about getting at least one inverted V up outside. I live in a "no antennas" community and have 3 wire antennas up in the trees... no one can see them, and the feed lines are all buried. My favorite all purpose wire antenna is the Buckmaster, which is ressonant on 75,40,30, 30, 12, 10 and 6 meters. Have a look on EHam.com for reviews. Another solution is to put a thin rope up into a tree and hoist one or more of the end fed vertical dipoles from Par. These are incredibly well thought of, and dirt cheap high performance antennas. You can also operate these temporarily using a 31 ft Jackite fibreglass pole... available on EBay.

All of these solutions will work much better than the common "portable" antennas.

RF in the house is a common problem with inside antennas... I'd take 10 minutes and put dipole up in the attic and try it before investing a bunch of time and money on the ultimate solutions. See how much of a signal gets into the TV, phones, computer speakers etc. An inside antenna may not be the wife solution if every electronic appliance in the house gets hot when you transmit.

As a last bad thought I've had ok performance from wires lying on top of roof shingles.

WW0AL Ash

--- In ham-antennas@yahoogroups.com, "Randy McKenzie" <kk4ej@...>
wrote:
>
> I have been exploring what I can install at the house without
> getting the XYL into war mode. So searching my options, the attic
is
> first on the list.
>
> The dimensions are 48 ft long, 32 ft wide, and 6 ft high (4/12

> pitch) and constructed with wood trusses. Very few items in the
> way: one 16 inch stove pipe, 2 plumbing vent lines and one TV
> antenna not being used. The long dimension is almost due north and
> south.
>
> What could I get in there and not create a spider web mess for
> access?
>
> I tried to plan ahead and currently have 4 runs of Belden 9913 coax
> already there and running down to the basement near my ham desk.
>
> A 20M dipole would fit easy, but surely I can get something more????
>
> Experiences with attic antennas? Input appreciated!
>
> Randy
> KK4EJ
>

5995. Re: [ham-antennas] Re: Jpole pics loaded

Yahoo group: ham-antennas (2008)
Date: 2008-09-20 20:15:19 UTC
From: Steve Friis
Topic: 5963 Message: 5995

Earl Needham wrote:
> Steve Friis wrote:
>> Earl and the group,
>>
>> I did an experiment last night that you might find interesting. I cut 2
>> pieces of PVC, one gray 2" diameter by 3" long. Same dimensions for a
>> piece of white PVC pipe. I put them together in the microwave, a 1200
>> watter from Wal-mart several years ago but still strong. I put the
>> microwave on medium power and let it run with both pieces in the box and
>> rotating on the dish for 30 seconds. When the bell rang, I removed the
>> two pieces. They were both equally warm. They both measured 138 Degrees F.
>>
>> My conclusion is that they both absorb the same amount of RF energy. So,
>> I guess on my next build I will try to find some 2" diameter Lexan plastic.
>>
>> Now I wonder if I should order clear or black? ;-)
>
> Well --
>
> 1. I remember reading in QST some years ago abut a home-brew mobile
> antenna that a fellow wound on gray PVC, and as soon as he tried to tune
> it up, the SWR was so unstable that he couldn't get a reading. Within
> about 30 seconds, the PVC got so soft that it bent over.
>
> 2. Roy, W5ROY, who lives here in Clovis, wound a mobile coil on gray
> PVC to build a screwdriver antenna. It would tune OK with the analyzer,
> but when trying to put 100 watts in it, it would be OK for only a few
> seconds, then would require retuning. He was using a set of plans of
> some sort, and he later found in those instructions where it said NOT to
> use gray PVC.
>
> I'll research this some more and get back on this subject.
>
> 7 3
> Earl
>
Are you sure it wasn't the wire heating and melting the plastic?

--
Steve Friis/ WM5Z
These are the humble ramblings of an old phart and in no way should they
influence the actions of any intelligent and sane person.

5996. Re: [ham-antennas] Re: Jpole pics loaded

Yahoo group: ham-antennas (2008)
Date: 2008-09-20 20:50:53 UTC
From: Earl Needham
Topic: 5963 Message: 5996

Steve Friis wrote:
> Earl Needham wrote:
> > Steve Friis wrote:
> >> Earl and the group,
> >>
> >> I did an experiment last night that you might find interesting. I cut 2
> >> pieces of PVC, one gray 2" diameter by 3" long. Same dimensions for a
> >> piece of white PVC pipe. I put them together in the microwave, a 1200
> >> watter from Wal-mart several years ago but still strong. I put the
> >> microwave on medium power and let it run with both pieces in the box and
> >> rotating on the dish for 30 seconds. When the bell rang, I removed the
> >> two pieces. They were both equally warm. They both measured 138
> Degrees F.
> >>
> >> My conclusion is that they both absorb the same amount of RF energy. So,
> >> I guess on my next build I will try to find some 2" diameter Lexan
> plastic.
> >>
> >> Now I wonder if I should order clear or black? ;-)
> >
> > Well --
> >
> > 1. I remember reading in QST some years ago abut a home-brew mobile
> > antenna that a fellow wound on gray PVC, and as soon as he tried to tune
> > it up, the SWR was so unstable that he couldn't get a reading. Within
> > about 30 seconds, the PVC got so soft that it bent over.
> >
> > 2. Roy, W5ROY, who lives here in Clovis, wound a mobile coil on gray
> > PVC to build a screwdriver antenna. It would tune OK with the analyzer,
> > but when trying to put 100 watts in it, it would be OK for only a few
> > seconds, then would require retuning. He was using a set of plans of
> > some sort, and he later found in those instructions where it said NOT to
> > use gray PVC.
> >
> > I'll research this some more and get back on this subject.
> >
> > 7 3
> > Earl
> >
> Are you sure it wasn't the wire heating and melting the plastic?

Yes. I am.

Earl

--
KD5XB -- Earl Needham
Clovis, New Mexico DM84jk
http://groups.yahoo.com/group/cw_bugs
Quoting from the Coast Guard: ZUT

5997. Re: Attic HF antennas options? Ideas welcome

Yahoo group: ham-antennas (2008)
Date: 2008-09-20 20:55:53 UTC
From: Randy McKenzie
Topic: 5988 Message: 5997

I was thinking about a 20M dipole just to test first....

And the area sounds bigger than it really is, the 6ft is only in the center....its a A frame truss...

What would a horizontal loop do for me there? Figuring two long sides of 48 ft and the short ends at 24 ft? I could get that in and not bang my head on too many nails that way!

Randy
KK4EJ

--- In ham-antennas@yahoogroups.com, "ash_lee52" <ashton.lee@...>
wrote:
>
> You have an enormous amount of room...

5998. Re: [ham-antennas] Re: Jpole pics loaded

Yahoo group: ham-antennas (2008)
Date: 2008-09-20 20:59:56 UTC
From: Sam Cook
Topic: 5963 Message: 5998

McMaster-Carr 8585K18 2" OD x 1.75ID Clear Polycarbonate "hollow rod"
$7.51/ft at http://www.mcmaster.com/
plus shipping, etc.Other sizes available, all in clear.

Personally, I used 4" black polyethylene tubing with good results.
See here...
http://ac0ok.net/projects/2myagi/index.htm

Sam Cook, Milan, MO
Amateur Extra Class Radio Station AC?OK
ARES Official Emergency Station, Sullivan Co., MO
Military Affiliate Radio System (MARS) AAR7AO
FEMA IS-00100.a Certified
==========

Steve Friis wrote:
> Earl and the group,
>
> I did an experiment last night that you might find interesting. I cut 2
> pieces of PVC, one gray 2" diameter by 3" long. Same dimensions for a
> piece of white PVC pipe. I put them together in the microwave, a 1200
> watter from Wal-mart several years ago but still strong. I put the
> microwave on medium power and let it run with both pieces in the box and
> rotating on the dish for 30 seconds. When the bell rang, I removed the
> two pieces. They were both equally warm. They both measured 138 Degrees F.
>
> My conclusion is that they both absorb the same amount of RF energy. So,
> I guess on my next build I will try to find some 2" diameter Lexan plastic.
>
> Now I wonder if I should order clear or black? ;-)

5999. RE: [ham-antennas] Re: How many radials are needed on the roky-sand soil to inatall multiband vertical?

Yahoo group: ham-antennas (2008)
Date: 2008-09-20 21:28:13 UTC
From: Callum M0MCX
Topic: 5969 Message: 5999

30 x 40 feet? Try loaded radials.. Even Z shaped radials..?

To build these, make a dipole in the garden to fit, by inserting some coils and fiddle with them to get them approximately the right size (I have a 40m loaded dipole on my site as an example).

Once the dipole is finished in a size that will fit your site, convert them to radials by connecting them to the radial (earth) point on the antenna. Voila! You will then have resonant radials.

You understand?

Callum McCormick

http://www.m0mcx.co.uk/

If you think education is expensive, try ignorance.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of xperts88
Sent: 20 September 2008 18:58
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: How many radials are needed on the roky-sand soil to inatall multiband vertical?

Hi Callum I had seen your website years ago hi hi---I know
you have a great space you can choose to bury or elevate radials.
Thank you for your elevated radial as I know.
but 5 or 6band, I could not have set them as my trapped vertical
includes 80m and 50ft 33ft elevated radial in not real thing for
me. I need to intall them on 30x40 ft around land lot.
So if you or anyone has a good ideas , please let me know.

In ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com> ,
"Callum M0MCX" <callum@...> wrote:
>
> Tim,
>
> The bottom line is that you will get a 50 ohm match with great SWR
with a
> pair (two) of quarter wave radials raised above the ground sloping
down 30
> degrees from horizontal, 180 degrees apart and about .2 wavelengths
above
> the ground. You will be achieving roughly same performance as around 60
> buried radials.

>
> You can vary these variables a lot (but not the quarter wave
dimension) and
> it won't make too much difference at all. Just elevate yours a couple of
> feet off ground as a test.
>
> You can do this for all the bands your antenna is supposed to work
and all
> will be fine.
>
> (Of course, if you are heading for grounded radials, this is a different
> story.. You need lots as discussed, certainly 60+ but I'm not sure
what will
> happen to impedance. I always build elevated radials).
>
> See here for this year's winter vertical project using SG230 as a
matching
> system. Works as a 5/8th on 20m band - just put it up last weekend.
Works
> well on the lower HF bands.
>
> - http://www.m0mcx.co.uk/gallery/index.php?/category/78
>
> Good luck,
>
> Callum McCormick
> http://www.m0mcx.co.uk/
>

[Non-text portions of this message have been removed]

6000. Re: [ham-antennas] Re: Jpole pics loaded

Yahoo group: ham-antennas (2008)
Date: 2008-09-20 21:31:33 UTC
From: Steve Friis
Topic: 5963 Message: 6000

Sam Cook wrote:
> McMaster-Carr 8585K18 2" OD x 1.75ID Clear Polycarbonate "hollow rod"
> $7.51/ft at http://www.mcmaster.com/
> plus shipping, etc.Other sizes available, all in clear.
>
> Personally, I used 4" black polyethylene tubing with good results.
> See here...
> http://ac0ok.net/projects/2myagi/index.htm
>
> Sam Cook, Milan, MO
>
>
Interesting. Loved your antenna project.

Some questions.
How long has it been up, exposed to the elements?
How much stress is there on the plastic, IE is it supporting anything external? My experiences with that type of plastic is it becomes brittle. When building traps for very long dipoles, you can have some very phenomenal stresses pulling on the form. You have the weight of the wire. I use #12, so this can be pretty heavy. Then you have the tension of stretching the wire taught so it stays up high without undue drooping. It also can have lots of other forces, such as wind during storms. We experience winds of over 40-50 MPH at times here and I have seen 90 MPH gusts during spring time. We also have lots of birds in the area. They love my wire antenna as a perch to roost on. Since I am handicapped and have to rely on others to do the physical work for me, so what ever I put in the air has to be minimal maintainence.

Just wondering what your experience has been with these added thoughts?

--
Steve Friis/ WM5Z
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6001. Re: [ham-antennas] Re: Attic HF antennas options? Ideas welcome

Yahoo group: ham-antennas (2008)
Date: 2008-09-20 21:52:40 UTC
From: W DAVISON
Topic: 5988 Message: 6001

hi randy we are in the same boat as i have an attic which is smaller than yours and i plan to try a end fed multi dipole for 20,15 and 10 mtrsi also have a loop round the perimeter of my loft but i need to get it higher.....alan

--- On Sat, 20/9/08, Randy McKenzie <kk4ej@...> wrote:

From: Randy McKenzie <kk4ej@...>
Subject: [ham-antennas] Re: Attic HF antennas options? Ideas welcome
To: ham-antennas@yahoogroups.com
Date: Saturday, 20 September, 2008, 9:55 PM

I was thinking about a 20M dipole just to test first....

And the area sounds bigger than it really is, the 6ft is only in the center....its a A frame truss...

What would a horizontal loop do for me there? Figuring two long sides of 48 ft and the short ends at 24 ft? I could get that in and not bang my head on too many nails that way!

Randy
KK4EJ

--- In ham-antennas@ yahoogroups. com, "ash_lee52" <ashton.lee@ ...>
wrote:
>
> You have an enormous amount of room...

[Non-text portions of this message have been removed]

6002. Re: [ham-antennas] Re: Attic HF antennas options? Ideas welcome

Yahoo group: ham-antennas (2008)
Date: 2008-09-20 22:00:13 UTC
From: Ken Burchfield
Topic: 5988 Message: 6002

Alan and Randy, check this link sounds as if it is made for attics..
http://degood.org/coaxtrap/
Good luck 73 Ken

PacketRadio is Still Alive.....Mississippi.....145.010.....Simplex.....1200 Baud

----- Original Message ----
From: W DAVISON <wadavison@...>
To: ham-antennas@yahoogroups.com
Sent: Saturday, September 20, 2008 3:52:40 PM
Subject: Re: [ham-antennas] Re: Attic HF antennas options? Ideas welcome

hi randy we are in the same boat as i have an attic which is smaller than yours and i plan to try a end fed multi dipole for 20,15 and 10 mtrsi also have a loop round the perimeter of my loft but i need to get it higher..... .....alan

--- On Sat, 20/9/08, Randy McKenzie <kk4ej@yahoo. com> wrote:

From: Randy McKenzie <kk4ej@yahoo. com>
Subject: [ham-antennas] Re: Attic HF antennas options? Ideas welcome
To: ham-antennas@ yahoogroups. com
Date: Saturday, 20 September, 2008, 9:55 PM

I was thinking about a 20M dipole just to test first....

And the area sounds bigger than it really is, the 6ft is only in the center....its a A frame truss...

What would a horizontal loop do for me there? Figuring two long sides of 48 ft and the short ends at 24 ft? I could get that in and not bang my head on too many nails that way!

Randy
KK4EJ

[Non-text portions of this message have been removed]

6003. Re: [ham-antennas] Re: Attic HF antennas options? Ideas welcome

Yahoo group: ham-antennas (2008)
Date: 2008-09-20 23:11:04 UTC
From: W DAVISON
Topic: 5988 Message: 6003

hi ken
after reading the link you gave me got me thinking - if i connected the multiband dipole to an active antenna would this give me more bands to play with or just better reception up to 20 mtrs thanks alan

--- On Sat, 20/9/08, Ken Burchfield <k5jxl@...> wrote:

From: Ken Burchfield <k5jxl@...>
Subject: Re: [ham-antennas] Re: Attic HF antennas options? Ideas welcome
To: ham-antennas@yahoogroups.com
Date: Saturday, 20 September, 2008, 11:00 PM

Alan and Randy, check this link sounds as if it is made for attics..
http://degood. org/coaxtrap/
Good luck 73 Ken

PacketRadio is Still Alive..... Mississippi. .....145. 010..... .Simplex. .....1200 Baud

----- Original Message ----
From: W DAVISON <wadavison@btinterne t.com>
To: ham-antennas@ yahoogroups. com
Sent: Saturday, September 20, 2008 3:52:40 PM
Subject: Re: [ham-antennas] Re: Attic HF antennas options? Ideas welcome

hi randy we are in the same boat as i have an attic which is smaller than yours and i plan to try a end fed multi dipole for 20,15 and 10 mtrsi also have a loop round the perimeter of my loft but i need to get it higher..... .....alan

--- On Sat, 20/9/08, Randy McKenzie <kk4ej@yahoo. com> wrote:

From: Randy McKenzie <kk4ej@yahoo. com>
Subject: [ham-antennas] Re: Attic HF antennas options? Ideas welcome
To: ham-antennas@ yahoogroups. com
Date: Saturday, 20 September, 2008, 9:55 PM

I was thinking about a 20M dipole just to test first....

And the area sounds bigger than it really is, the 6ft is only in the center....its a A frame truss...

What would a horizontal loop do for me there? Figuring two long sides of 48 ft and the short ends at 24 ft? I could get that in and not bang my head on too many nails that way!

Randy
KK4EJ

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

6004. Re: end fed dipole

Yahoo group: ham-antennas (2008)
Date: 2008-09-20 23:16:00 UTC
From: gadzooks.mike
Topic: 5886 Message: 6004

Now we're back to my original question. I have a 2 meter j-pole above my roof that I built. I have a 1:1 BALUN, not a 4:1 BALUN, and it's pretty close to 50ohms. So, what's the 4:1 BALUN for?

--- In ham-antennas@yahoogroups.com, "Paul" <paul_c_g@...> wrote:
>
> A J-Pole is an end-fed dipole.
>
> A Zepp is an endfed dipole.
>
> The matching network in both cases is a shorted 1/4 wave open wire
> stub (balanced).
>
> This stub is fed at the point where the impedance is equal to that
of
> the feedline. The feed line should be either balanced line or coax
> and a bulun.
>
> The easiest wasy is to use a balun which will also perform a 4:1
> impedance transformation. The balun that does this is
the "trombone".
>
> See:
> http://ph.groups.yahoo.com/group/ham-antennas/photos/view/7179?b=1
>
> and:
>
> http://ph.groups.yahoo.com/group/ham-antennas/photos/view/7179?b=2
>
> and:
>
> http://ph.groups.yahoo.com/group/ham-antennas/photos/view/7179?b=3
>
> Measured gain on this co-linear antenna is 3.5 dBd or 5.6 dBi and
for
> those who insist on using a 1/4 antenna as a reference 6.5 dBq.
>
> Paul - K9ERG
>
> --- In ham-antennas@yahoogroups.com, "gadzooks.mike"
> <gadzooks.mike@> wrote:
> >
> > Dunno. I said something about an end fed Zepp being very similar
> to
> > a J-Pole, somebody else wrote back and said it wasn't "similar"

> > but "the same" and then said to feed it with a 4:1 trombone BALUN.
> >
> > I spend most of my days confused, no reason this one should be
any
> > different! HI HI
> >
> >
> > --- In ham-antennas@yahoogroups.com, "Richard Schmuke" <rdj@>
> > wrote:
> > >
> > > You can and do direct feed a J-Pole with a 50 ohm coax , at the
> 50
> > ohm point
> > > not at the end. You were taking about end feeding ½ a dipole, I
> > think. Are
> > > we talking about an end fed Zepp , dipole or J-pole ??
> > >
> > >
> > >
> > > I was wrong to use the word "match" with the trombone.
> > >
> > >
> > >
> > >
> > >
> > > Rich , KDØZZ
> > >
> > >
> > >
> > >
> > >
> > >
> > >
> > > From: ham-antennas@yahoogroups.com [mailto:ham-
> > antennas@yahoogroups.com] On
> > > Behalf Of gadzooks.mike
> > > Sent: Thursday, September 18, 2008 9:03 AM
> > > To: ham-antennas@yahoogroups.com
> > > Subject: [ham-antennas] Re: end fed dipole
> > >
> > >
> > >
> > > Can't you direct feed a j-pole to 50ohm coax? Why a 4:1 BALUN?
> > >
> > > --- In ham-antennas@yahoogroups.com <mailto:ham-antennas%
> > 40yahoogroups.com>
> > > , "Richard Schmuke" <rdj@>
> > > wrote:
> > > >
> > > > Tom ,

> > > >
> > > > They are in all the ARRL hand books and antenna books, it is
a
> > loop
> > > of coax
> > > > shaped like a trombone and help match the antenna to the coax.
> > > >
> > > >
> > > >
> > > >
> > > >
> > > > Rich , KDØZZ
> > > >
> > > >
> > > >
> > > >
> > > >
> > > >
> > > >
> > > >] On Behalf Of Tom Horne
> > > > Subject: [ham-antennas] Re: end fed dipole
> > > >
> > > >
> > > >
> > > > Paul
> > > > A trombone balun is a new one on me. Could you please explain?
> > > > --
> > > > Tom Horne, W3TDH
> > > >
> > > > > 1f. Re: end fed dipole
> > > > >
> > > > <http://groups.yahoo.com/group/ham-
> > > antennas/message/5923;_ylc=X3oDMTJyNjdwdm
> > > >
> > >
> >
>
ptBF9TAzk3MzU5NzE1BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARtc2dJ
> > > ZAM1OT
> > > > IzBHNlYwNkbXNnBHNsawN2bXNnBHN0aW1lAzEyMjE2NjU1MjE->
> > > > >
> > > > >
> > > > > Posted by: "Paul" paul_c_g@ <mailto:paul_c_g%40yahoo.com>
> > > > > <mailto:paul_c_g@ <mailto:paul_c_g%40yahoo.com>
> > > > ?Subject=%20Re%3A%20end%20fed%20dipole>
> > > > > k9erg_1 <http://profiles.yahoo.com/k9erg_1>
> > > > >
> > > > >
> > > > > Wed Sep 17, 2008 8:31 am (PDT)
> > > > >

> > > > > Not very close... SAME AS...
> > > > >
> > > > > and feed it through a 4:1 trombone balun to prevent RF
> currents
> > on
> > > > > the outside of the coax.
> > > > >
> > > > > Paul - K9ERG
> > > > >
> > > >
> > > > [Non-text portions of this message have been removed]
> > > >
> > > >
> > > >
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> > > >
> > > > [Non-text portions of this message have been removed]
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> > > [Non-text portions of this message have been removed]
> > >
> >
>

6005. Re: [ham-antennas] Re: Jpole pics loaded

Yahoo group: ham-antennas (2008)
Date: 2008-09-20 23:28:57 UTC
From: Earl Needham
Topic: 5963 Message: 6005

Asked a friend of mine about white versus gray PVC, and here's what he
came up with --

> Here's how they measure it:
http://www.nikhef.nl/~h73/kn1c/praktikum/phywe/LEP/Experim/4_2_06.pdf
>
>
> Here's the info on most common plastics:
http://www.americanplasticsupply.com/properties.html Click on the sheets, and they
enlarge. You can also search for one specific plastic if you wish.

Boiling it down to something simple --

> The gray PVC has a filler which is uses to retard UV, and some acidic soils. It is good
to about 100 MHz, where it starts to get rather warm. The white PVC is good to about 400 or
so. The black OVC won't do 10 MHz very well.
>
> Natural Delrin (sort of milky color) it good to about 3 GHz.
>
> Natural Nylon (it too is milky) is good to about 1.5 GHz.

7 3
Earl

--
KD5XB -- Earl Needham
Clovis, New Mexico DM84jk
http://groups.yahoo.com/group/cw_bugs
Quoting from the Coast Guard: ZUT

6006. Re: [ham-antennas] Re: Attic HF antennas options? Ideas welcome

Yahoo group: ham-antennas (2008)
Date: 2008-09-20 23:34:01 UTC
From: Ken Burchfield
Topic: 5988 Message: 6006

Alan , I'm not sure I understand the question. Please explain. active antenna would this give me more bands to play with or just better reception up to 20 mtrs
It just may be that you will"open up a whole new can of worms"
73 Ken

PacketRadio is Still Alive.....Mississippi.....145.010.....Simplex.....1200 Baud

----- Original Message ----
From: W DAVISON <wadavison@...>
To: ham-antennas@yahoogroups.com
Sent: Saturday, September 20, 2008 5:11:04 PM
Subject: Re: [ham-antennas] Re: Attic HF antennas options? Ideas welcome

hi ken
after reading the link you gave me got me thinking - if i connected the multiband dipole to an active antenna would this give me more bands to play with or just better reception up to 20 mtrs thanks alan

--- On Sat, 20/9/08, Ken Burchfield <k5jxl@yahoo. com> wrote:

From: Ken Burchfield <k5jxl@yahoo. com>
Subject: Re: [ham-antennas] Re: Attic HF antennas options? Ideas welcome
To: ham-antennas@ yahoogroups. com
Date: Saturday, 20 September, 2008, 11:00 PM

Alan and Randy, check this link sounds as if it is made for attics..
http://degood. org/coaxtrap/
Good luck 73 Ken

[Non-text portions of this message have been removed]

6007. Re: [ham-antennas] Re: Attic HF antennas options? Ideas welcome

Yahoo group: ham-antennas (2008)
Date: 2008-09-20 23:36:42 UTC
From: W DAVISON
Topic: 5988 Message: 6007

i hope thats not in a bad way i would really like to find out .....alan

--- On Sun, 21/9/08, Ken Burchfield <k5jxl@...> wrote:

From: Ken Burchfield <k5jxl@...>
Subject: Re: [ham-antennas] Re: Attic HF antennas options? Ideas welcome
To: ham-antennas@yahoogroups.com
Date: Sunday, 21 September, 2008, 12:34 AM

Alan , I'm not sure I understand the question. Please explain. active antenna would this give me more bands to play with or just better reception up to 20 mtrs
It just may be that you will"open up a whole new can of worms"
73 Ken

PacketRadio is Still Alive..... Mississippi. .....145. 010..... .Simplex. .....1200 Baud

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From: W DAVISON <wadavison@btinterne t.com>
To: ham-antennas@ yahoogroups. com
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Subject: Re: [ham-antennas] Re: Attic HF antennas options? Ideas welcome

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From: Ken Burchfield <k5jxl@yahoo. com>
Subject: Re: [ham-antennas] Re: Attic HF antennas options? Ideas welcome
To: ham-antennas@ yahoogroups. com
Date: Saturday, 20 September, 2008, 11:00 PM

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Good luck 73 Ken

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

6008. Re: [ham-antennas] Re: Attic HF antennas options? Ideas welcome

Yahoo group: ham-antennas (2008)
Date: 2008-09-20 23:56:22 UTC
From: W DAVISON
Topic: 5988 Message: 6008

hi group
due to moving stuff in my loft i broke the teloscopic antenna off my mfj1020c shortwave active antenna which covers up to 30mhz .i now plan to try an end fed dipole for 20 mtrs if i connected the active antenna to the end fed dipole would i be able to recieve more bands or would it just be better reception up to 20mtrs iam asking because i never got to use the active antenna before i broke it .iam a newbie trying to set up a shack in my attic space
thanks for any input .....alan

--- On Sun, 21/9/08, W DAVISON <wadavison@...> wrote:

From: W DAVISON <wadavison@...>
Subject: Re: [ham-antennas] Re: Attic HF antennas options? Ideas welcome
To: ham-antennas@yahoogroups.com
Date: Sunday, 21 September, 2008, 12:36 AM

i hope thats not in a bad way i would really like to find out .....alan

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From: Ken Burchfield <k5jxl@yahoo. com>
Subject: Re: [ham-antennas] Re: Attic HF antennas options? Ideas welcome
To: ham-antennas@ yahoogroups. com
Date: Sunday, 21 September, 2008, 12:34 AM

Alan , I'm not sure I understand the question. Please explain. active antenna would this give me more bands to play with or just better reception up to 20 mtrs
It just may be that you will"open up a whole new can of worms"
73 Ken

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From: W DAVISON <wadavison@btintern e t.com>
To: ham-antennas@ yahoogroups. com
Sent: Saturday, September 20, 2008 5:11:04 PM
Subject: Re: [ham-antennas] Re: Attic HF antennas options? Ideas welcome

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Subject: Re: [ham-antennas] Re: Attic HF antennas options? Ideas welcome

To: ham-antennas@ yahoogroups. com
Date: Saturday, 20 September, 2008, 11:00 PM

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Good luck 73 Ken

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[Non-text portions of this message have been removed]

6009. Re: [ham-antennas] Re: Attic HF antennas options? Ideas welcome

Yahoo group: ham-antennas (2008)
Date: 2008-09-21 00:00:24 UTC
From: W DAVISON
Topic: 5988 Message: 6009

sorry i forgot to add regards above this is for receving only and not transmitting

--- On Sun, 21/9/08, W DAVISON <wadavison@...> wrote:

From: W DAVISON <wadavison@...>
Subject: Re: [ham-antennas] Re: Attic HF antennas options? Ideas welcome
To: ham-antennas@yahoogroups.com
Date: Sunday, 21 September, 2008, 12:36 AM

i hope thats not in a bad way i would really like to find out .....alan

--- On Sun, 21/9/08, Ken Burchfield <k5jxl@yahoo. com> wrote:

From: Ken Burchfield <k5jxl@yahoo. com>
Subject: Re: [ham-antennas] Re: Attic HF antennas options? Ideas welcome
To: ham-antennas@ yahoogroups. com
Date: Sunday, 21 September, 2008, 12:34 AM

Alan , I'm not sure I understand the question. Please explain. active antenna would this give me more bands to play with or just better reception up to 20 mtrs
It just may be that you will"open up a whole new can of worms"
73 Ken

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----- Original Message ----
From: W DAVISON <wadavison@btintern e t.com>
To: ham-antennas@ yahoogroups. com
Sent: Saturday, September 20, 2008 5:11:04 PM
Subject: Re: [ham-antennas] Re: Attic HF antennas options? Ideas welcome

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From: Ken Burchfield <k5jxl@yahoo. com>
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To: ham-antennas@ yahoogroups. com
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Good luck 73 Ken

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[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

6010. Re: [ham-antennas] Re: Jpole pics loaded

Yahoo group: ham-antennas (2008)
Date: 2008-09-21 00:28:04 UTC
From: Sam Cook
Topic: 5963 Message: 6010

Drawing dates are Nov 2006, so going on two years... 2 winters so far.
No signs of brittleness yet. It is LDPE and in black, so don't really
expect any UV degradation, at least not for a long time. The coax
jacket will probably go to pot along the way.
No stresses... it is only a form to wind the balun on.
Not like a trap in an element.
RG-8X coax, 7.5 turns, secured with black all-weather cable ties.
Don't know if it really does any good, but things seem to work OK.
20ft boom 13-element 2m yagi. Common dipole for driven element.
Dimensions from ARRL Antenna Book.
It can hold a LOT of birds! $&##@!!@#(&
They also like my G5RV with 75ft of horizontal feedline.

I'm not handicapped, just getting too old to climb towers. My 45ft
tower is hinged at the base and lowered via winch & cable.
Planning on another tower some day when I can figure out where to put
it. I only have 80acres to chose from!
Thanks for the note.
73

Sam Cook, Milan, MO
Amateur Extra Class Radio Station AC?OK
ARES Official Emergency Station, Sullivan Co., MO
Military Affiliate Radio System (MARS) AAR7AO
FEMA IS-00100.a Certified
==========

Steve Friis wrote:

> Some questions.
> How long has it been up, exposed to the elements?
> How much stress is there on the plastic, IE is it supporting anything
> external? My experiences with that type of plastic is it becomes
> brittle. When building traps for very long dipoles, you can have some
> very phenomenal stresses pulling on the form. You have the weight of the
> wire. I use #12, so this can be pretty heavy. Then you have the tension
> of stretching the wire taught so it stays up high without undue
> drooping. It also can have lots of other forces, such as wind during
> storms. We experience winds of over 40-50 MPH at times here and I have
> seen 90 MPH gusts during spring time. We also have lots of birds in the
> area. They love my wire antenna as a perch to roost on. Since I am
> handicapped and have to rely on others to do the physical work for me,
> so what ever I put in the air has to be minimal maintainence.
>
> Just wondering what your experience has been with these added thoughts?
>

6011. 43 foot long multiband verticals - what is the theory behing them?

Yahoo group: ham-antennas (2008)
Date: 2008-09-21 00:56:11 UTC
From: billncolo36
Topic: 6011 Message: 6011

Multiband operation (with a tuner) without traps, tuning stubs, etc. Several manufacturers offer them and they seem to work fairly well (at least the ones I have listened to). Does the 43 foot length plus a 4:1 balun simply make it so a good tuner can deal with the impedance seen on each of the bands?
Bill
N0CU

6012. Re: Jpole pics loaded

Yahoo group: ham-antennas (2008)
Date: 2008-09-21 02:09:44 UTC
From: Al
Topic: 5963 Message: 6012

I knew all that stuff, I just didn't think it was applicable to what
we were discussing. CPVC Sched 40 is not to expensive but the
connectors seem kinda pricy.
Al (retired Bld, Elec, Mech & Plumb Inspector)

--- In ham-antennas@yahoogroups.com, Steve Friis <wm5z@...> wrote:
>
> Al wrote:
> > If you want to extend the the life of the white PVC, you might
try
> > painting it with latex paint which is also available in spray
cans if
> > you look (I've just brushed it on). Latex doesn't adversely
affect
> > the PVC as does solvent based paints and should be RF transparent.
> > The gray PVC is callled CPVC and is code approved for hot water
> > lines, and the white stuff is not.
> > Al in SoCal
> >
> >
> >
> Not all gray pvc is CPVC. CPVC Conduit is gray, but It is not rated
for
> pressure, but rather it is a water resistant container for
conductors.
> CPVC is the only one that is Power Factor rated, @1000Hz it has
0.007%.
> See <http://www.harvel.com/piping-cpvc.asp?
source=yahoo&adgroup=cpvc>
> It is able to be buried. Schedule 20 is good for low pressure stuff
like
> sprinkler systems. It is also the right stuff, as far as I am
concerned
> for my uses, for coil forms and traps as it is lighter in weight.
> Something to consider when suspending a couple of pounds of wire as
a
> dipole with traps.
>
> CPVC has an upper working temperature limit of 200°F. PVC is rated
for
> up to 160 degrees F. CPVC is preferred over PVC in some
applications
> where improved fire and heat resistance are required.
>
> (C)PVC can be aquired in different pressure ratings starting with

> Schedule 20 and goes in multiples from there, IE. Schedule 40, Schedule
> 80 and for really high pressures of up to 7,750 PSI there is Schedule
> It may be available in higher ratings, but not what I would be looking
> for anyway.
>
> I use CPVC because I know it works, stays in shape, doesn't burn up in
> moderate exposure to RF (IE. less than 1500 watts) is inexpensive and
> for what I do with it outlasts regular PVC plumbing pipe.
>
> Now Lexan WOULD be better in the short term, but it disintegrates
> rapidly in UV exposure, does not withstand thermal shocks well, distorts
> in shape when heated, is harder to cut and machine and is much more
> expensive. It is about 20:1 in cost, plus shipping as it is not
> available locally here in the boondocks. I go to "Home Depot" and can
> buy a stick 3 meters long for less than $10.00US, no shipping.
>
> Hope this dispels any rumors about CPVC.
>
> --
> Steve Friis/ WM5Z
> These are the humble ramblings of an old phart and in no way should they
> influence the actions of any intelligent and sane person.
>

6013. Re: [ham-antennas] Re: Jpole pics loaded

Yahoo group: ham-antennas (2008)
Date: 2008-09-21 02:15:46 UTC
From: Steve Friis
Topic: 5963 Message: 6013

Earl Needham wrote:
> Asked a friend of mine about white versus gray PVC, and here's what he
> came up with --
>
>> Here's how they measure it:
http://www.nikhef.nl/~h73/kn1c/praktikum/phywe/LEP/Experim/4_2_06.pdf
>>
>>
>> Here's the info on most common plastics:
http://www.americanplasticsupply.com/properties.html Click on the sheets, and they enlarge. You can also search for one specific plastic if you wish.
>
> Boiling it down to something simple --
>
>> The gray PVC has a filler which is uses to retard UV, and some acidic soils. It is good to about 100 MHz, where it starts to get rather warm. The white PVC is good to about 400 or so. The black OVC won't do 10 MHz very well.
>>
>> Natural Delrin (sort of milky color) it good to about 3 GHz.
>>
>> Natural Nylon (it too is milky) is good to about 1.5 GHz.
>
> 7 3
> Earl
>
Well Earl, I think you just said what I was saying. CPVC is the choice for temperature excursions and UV resistance. White or PVC gets damaged by UV, becomes brittle with oxidation and UV exposure, breaks or falls apart. At HF (30 Mhz and below, you can use either, or, and accept the degradation for PVC or use CPVC, get up to 3 to 5 times the life. My present antenna, Trapped dipoles for 160/75/60/40/30 has been up since I moved here from Albuquerque, 2002. Before that, I rebuilt my PVC dipole every year. Kept falling apart.

As pointed out in the papers, the Dielectric constant is so minimal (.0002% at 1 Mhz) that even if you draw a linear interpolation chart, with 100% being at 2.7 Ghz, 30 Mhz and below is not a factor since we are still talking about only .0005% absorptive. At 1000 watts RTTY the forms would at max would be trying to dissipate 50 Milliwatts, and at the size of my forms (about 5" long and 2" diameter) there would be more solar radiation than from my amateur radio signal. But, if a coil's Q is low, and is used at certain frequencies where it becomes self resonant across the shorted turns, as in a screw driver antenna not designed correctly, the coil will get warm... enough so that the plastic (CPVC or otherwise) can become damaged. I have seen this at 21 Mhz in an

amplifier that the builder tried to use PVC pipe as a form, and with #10 wire, actually caught fire in only a few seconds. This was a pair of 572B's with only 2200 volts and around .5 amps plate current. You wouldn't think that the coil this large could get hot enough, but the solder joints melted. All this in less time than a blow torch could have done an equal amount of damage. Changing the coil configuration so that no coil turns were shorted, just tapped, fixed the problem, and the amp then happily produced 700 watts PEP output.

--
Steve Friis/ WM5Z
These are the humble ramblings of an old phart and in no way should they influence the actions of any intelligent and sane person.

6014. Re: [ham-antennas] Re: Jpole pics loaded

Yahoo group: ham-antennas (2008)
Date: 2008-09-21 02:21:24 UTC
From: Steve Friis
Topic: 5963 Message: 6014

Sam Cook wrote:
> Drawing dates are Nov 2006, so going on two years... 2 winters so far.
> No signs of brittleness yet. It is LDPE and in black, so don't really
> expect any UV degradation, at least not for a long time. The coax
> jacket will probably go to pot along the way.
> No stresses... it is only a form to wind the balun on.
> Not like a trap in an element.
> RG-8X coax, 7.5 turns, secured with black all-weather cable ties.
> Don't know if it really does any good, but things seem to work OK.
> 20ft boom 13-element 2m yagi. Common dipole for driven element.
> Dimensions from ARRL Antenna Book.
> It can hold a LOT of birds! $&##@!!@#(&
> They also like my G5RV with 75ft of horizontal feedline.
>
> I'm not handicapped, just getting too old to climb towers. My 45ft
> tower is hinged at the base and lowered via winch & cable.
> Planning on another tower some day when I can figure out where to put
> it. I only have 80acres to chose from!
> Thanks for the note.
> 73
>
> Sam Cook, Milan, MO
>
>
Ah, I see. Great design.

Wish I had more room. I would love to build some more antenna farm
stuff... ;-)

--
Steve Friis/ WM5Z
These are the humble ramblings of an old phart and in no way should they
influence the actions of any intelligent and sane person.

6015. Re: Attic HF antennas options? Ideas welcome

Yahoo group: ham-antennas (2008)
Date: 2008-09-21 02:29:41 UTC
From: Jonathan Helis KB5IAV
Topic: 5988 Message: 6015

> 5a. Attic HF antennas options? Ideas welcome
> Posted by: "Randy McKenzie" kk4ej@... kk4ej
> Date: Sat Sep 20, 2008 11:25 am ((PDT))
>
> I have been exploring what I can install at the house without
> getting the XYL into war mode. So searching my options, the attic is
> first on the list.
>
> The dimensions are 48 ft long, 32 ft wide, and 6 ft high (4/12
> pitch) and constructed with wood trusses. Very few items in the
> way: one 16 inch stove pipe, 2 plumbing vent lines and one TV
> antenna not being used. The long dimension is almost due north and
> south.
>
> What could I get in there and not create a spider web mess for
> access?
>
> I tried to plan ahead and currently have 4 runs of Belden 9913 coax
> already there and running down to the basement near my ham desk.
>
> A 20M dipole would fit easy, but surely I can get something more????
>
> Experiences with attic antennas? Input appreciated!
>
> Randy
> KK4EJ

I have worked with, and am in fact working now with attic antennas. The one thing to worry about is RF gets into everything, TV, phone, etc., but I'm sure you already know that.

You've got alot of space to work with there, which is great. You may want to try a skyloop, a large horizontal loop fed with balanced line to a tuner. With 48x32 feet, that's 160 feet of wire you can get up there, which might get you on to the 40 meter band. You may also want to try an open loop, in which the loop is open at the end opposite the feedpoint, kind of like a dipole but bent into a rectange. I'm using that design right now and the results have been OK so far, although not the greatest.

Another thing you can experiment with is a dipole. If you bend the ends downward, you'll be able to get around 60 feet of wire up there, which is shorter than 40 meters but again with a tuner, it should load there. If you just want to do a flatop, you can probably get 46 feet of wire up there for a 30 meter dipole which when fed with balanced line, should should be able to load up on all the bands 30 meters and above.

And endfed zepp might also be an option worth exploring. Learn what you can about antennas from whatever source you can, like this list, the WWW, books, etc., and I'm sure you'll come up with something that will work well for you.

I've worked with various antennas in my attic over the years, such as a random wire, dipole, the half wave open loop I have now, and even a commercially made AEA Isoloop(similar to the MFJ SuperLoop) and had mixed results, but at least I was, and still am, making QSOs off my attic antenna.

In addition to RF getting into stuff, another problem I've experienced with attic antennas is they don't always perform when the roof is wet. Sometimes when the roof is wet, some antennas which may load flat everywhere, will not load at all or as well when the roof is wet. I sometimes get reports my signal isn't as good, or I don't receive as well under those conditions. Perhaps the water makes the roof conductive. In spite of all this, at least I'm on the air making QSOs.

These days, I spend alot of time on PSK31 20, 30, and 40 meters, and haven't had as many RF problems as I've had with CW and SSB. Don't know if that is just luck or something about the mode, which is why I spend most of my time on it these days.

Good luck, get an antenna up there and get on the air!

-
73,

Jonathan Helis, KB5IAV
Baton Rouge, Louisiana, USA

6016. Re: How many radials are needed on the roky-sand soil to inatall multiband vertical?

Yahoo group: ham-antennas (2008)
Date: 2008-09-21 04:31:42 UTC
From: ash_lee52
Topic: 5969 Message: 6016

I live on very dry rocky soil... and basically even with elevated radials the soil makes verticals perform much worse for me than they did on the black soil of the midwest. There is just no reflectivity in the dry rocky soil.

An antenna such as a Hustler 6BTV will "work"... you'll have lots of QSOs... as long as you have 2 radials per band and minimise contact with the soil (remember desert soil isn't very conductive so a little contact doesn't mean much). But you will get way better performance from wires in the air and/or horizontally polarized antennas. I've modeled very low yagis over dry soil and while yagis always benefit from height, a low yagi will still strongly outperfrom a vertical over dry soil.

For one simple solution look into the Buckmaster antenna. It sets up as an inverted V with an apex at 35 feet, and is resonnant on all the bands 80-6 meters except 15. With a tuner you can get it to work on both 160 and 15 meters. It doesn't get much easier than that... and mine does much better than my 6BTV... particularly by being much quieter.

Another fairly easy fix is to use a "no radials needed" antenna such as a Cushcraft MA5V (needs to be mounted at least 10 fee off the ground), a Sigma 5 or a Par end fed Vertical dipole. None of these will work as well over rocky soil as on an island in the pacific. But they will work pretty well. None work for me as well as the Buckmaster however.

You asked about using the MFJ259B... not much to it... just stick it on the ground and touch only the plastic knob when checking the antenna. It'll be close enough.

--- In ham-antennas@yahoogroups.com, "xperts88"
<mahalo_2005_kealani@...> wrote:
>
> Hello I am Tim, I would like to ask anyone
> how to measure the impedance, VSWR to use choke bulun out side
> the lowest band radials to install manufacture's multiband verticals
> with radials? and using a MFJ259B, how to avoid the body effect
> to measure them? the closer, the worse data I get?
> Next is how much radials do I need for every band (10-80m)on the
> rocky-sand soil not burried any radials just one wood piece for a
> vertical fixed.Now I put two radials for every band(total amount of
> the radials are five folded for the antenna bands so 10 radials) but
> even the 10m band could not be tuned and other band could not do so.
> I understand somehow to need radials up to 120 but I have restiricted

> space so anyone know how to spread and how many radials on the dry
> soils to work propery?
> I would like to much more informationso I post here.
> Tim AH2E
>

6017. Re: Attic HF antennas options? Ideas welcome

Yahoo group: ham-antennas (2008)
Date: 2008-09-21 14:16:43 UTC
From: Randy McKenzie
Topic: 5988 Message: 6017

Thanks Jonathan:

Yes RF is expected in everything, but Ill operate mostly when XYL and kids are away anyway.....Im sure a mushroom cloud would be created if I interfered with a episode of Hannah Montana!!!!

I have the audio cables made and software loaded for PSK31, thats my next project to complete, probably next week!

One thing I plan on testing is my vertical stainless stove pipe. Its about 40 ft and with a tuner who knows!

For UHF/VHF Ive already looked at one of the discuise antennas for a vent pipe.

Thanks for all the ideas!!!!!

Randy
KK4EJ

> These days, I spend alot of time on PSK31 20, 30, and 40 meters, and
> haven't had as many RF problems as I've had with CW and SSB. Don't know
> if that is just luck or something about the mode, which is why I spend
> most of my time on it these days.
>
> Good luck, get an antenna up there and get on the air!
>
> -
> 73,
>
> Jonathan Helis, KB5IAV
> Baton Rouge, Louisiana, USA
>

6018. Re: Attic HF antennas options? Ideas welcome

Yahoo group: ham-antennas (2008)
Date: 2008-09-21 14:26:40 UTC
From: Randy McKenzie
Topic: 5988 Message: 6018

Thanks for the link...very interesting design!

I like the multiband options, I was just going to make my tuner do
all the work!

Randy
KK4EJ

--- In ham-antennas@yahoogroups.com, Ken Burchfield <k5jxl@...>
wrote:
>
> Alan and Randy, check this link sounds as if it is made for
attics..
> http://degood.org/coaxtrap/
> Good luck 73 Ken
>
> PacketRadio is Still
Alive.....Mississippi.....145.010.....Simplex.....1200 Baud
>
>
>
>
>
> ----- Original Message ----
> From: W DAVISON <wadavison@...>
> To: ham-antennas@yahoogroups.com
> Sent: Saturday, September 20, 2008 3:52:40 PM
> Subject: Re: [ham-antennas] Re: Attic HF antennas options? Ideas
welcome
>
>
> hi randy we are in the same boat as i have an attic which is
smaller than yours and i plan to try a end fed multi dipole for
20,15 and 10 mtrsi also have a loop round the perimeter of my loft
but i need to get it higher..... .....alan
>
> --- On Sat, 20/9/08, Randy McKenzie <kk4ej@yahoo. com> wrote:
>
> From: Randy McKenzie <kk4ej@yahoo. com>
> Subject: [ham-antennas] Re: Attic HF antennas options? Ideas
welcome
> To: ham-antennas@ yahoogroups. com
> Date: Saturday, 20 September, 2008, 9:55 PM
>
> I was thinking about a 20M dipole just to test first....
>

> And the area sounds bigger than it really is, the 6ft is only in
the
> center....its a A frame truss...
>
> What would a horizontal loop do for me there? Figuring two long
sides
> of 48 ft and the short ends at 24 ft? I could get that in and not
bang
> my head on too many nails that way!
>
> Randy
> KK4EJ
>
>
>
>
> [Non-text portions of this message have been removed]
>

6019. Re: [ham-antennas] Re: Attic HF antennas options? Ideas welcome

Yahoo group: ham-antennas (2008)
Date: 2008-09-21 15:26:07 UTC
From: vaclav sal
Topic: 5988 Message: 6019

OMs,
I live in pyramid shaped roof single (ground floor) story house.
I experimented with few indoor antennas and promptly "discovered" that any electronic gizmo will go wild with RF - including my wife's paper shredder!

However, during my experiments I noticed almost zero signals on the band.

My roof sheathing is the "flame retardant" variety - plywood covered inside of the attic with silver "stuff". I am assuming it is metal. I do not know.I did not test it for conductivity. (Unless it is made from Teflon it would not be too much of a flame retardant.)

I am seeking opinions / experience / comments from anybody who is using attic antenna under this flame retardant / heat reflecting setup.
73 Vaclav AA7EJ

[Non-text portions of this message have been removed]

6020. Atttic Antennas

Yahoo group: ham-antennas (2008)
Date: 2008-09-21 18:01:34 UTC
From: steve95446
Topic: 6020 Message: 6020

Try this:

http://www.qsl.net/g0kya/multibanddipole.pdf

Works very well for me.

Steve G0KYA

6021. Re: [ham-antennas] Re: found a great all band radiator with flat SWR!

Yahoo group: ham-antennas (2008)
Date: 2008-09-21 21:53:46 UTC
From: Dave Oldridge
Topic: 5752 Message: 6021

On 6 Sep 2008 at 22:59, Tom Horne wrote:

> Randy
> You will stir up the Hornets again. Saying anything positive about a
> Terminated Folded Dipole in this group requires an Entry Rated aircraft
> crash fire rescue suit.

Having modelled those and seen some in action, they are fairly good
above the lowest frequency for which they are a half wave

Below that, efficiency drops fairly rapidly. But even a low-
efficiency antenna can sometimes get the job done.

--

Dave Oldridge
ICQ 454777283
VA7CZ

6022. Larsen experts?

Yahoo group: ham-antennas (2008)
Date: 2008-09-22 00:07:46 UTC
From: Earl Needham
Topic: 6022 Message: 6022

Anybody on here an "expert" with Larsen mobile antennas? Got a couple of questions.

Thanks,
Earl
--
KD5XB -- Earl Needham
Clovis, New Mexico DM84jk
http://groups.yahoo.com/group/cw_bugs
Quoting from the Coast Guard: ZUT

6023. Re: [ham-antennas] Larsen experts?

Yahoo group: ham-antennas (2008)
Date: 2008-09-22 01:02:14 UTC
From: Ted Horishny
Topic: 6022 Message: 6023

Whats the question?
Ted WT2G

--- On Sun, 9/21/08, Earl Needham <needhame1@...> wrote:

From: Earl Needham <needhame1@...>
Subject: [ham-antennas] Larsen experts?
To: ham-antennas@yahoogroups.com
Date: Sunday, September 21, 2008, 8:07 PM

Anybody on here an "expert" with Larsen mobile antennas? Got a couple
of questions.

Thanks,
Earl
--
KD5XB -- Earl Needham
Clovis, New Mexico DM84jk
http://groups. yahoo.com/ group/cw_ bugs
Quoting from the Coast Guard: ZUT

[Non-text portions of this message have been removed]

6024. Re: [ham-antennas] Attic HF antennas options? Ideas welcome

Yahoo group: ham-antennas (2008)
Date: 2008-09-22 02:15:10 UTC
From: Leonard K. Pennock
Topic: 5988 Message: 6024

Take a look at a Alpha Delta DX-EE.

Randy McKenzie wrote:
> I have been exploring what I can install at the house without
> getting the XYL into war mode. So searching my options, the attic is
> first on the list.
>
> The dimensions are 48 ft long, 32 ft wide, and 6 ft high (4/12
> pitch) and constructed with wood trusses. Very few items in the
> way: one 16 inch stove pipe, 2 plumbing vent lines and one TV
> antenna not being used. The long dimension is almost due north and
> south.
>
> What could I get in there and not create a spider web mess for
> access?
>
> I tried to plan ahead and currently have 4 runs of Belden 9913 coax
> already there and running down to the basement near my ham desk.
>
> A 20M dipole would fit easy, but surely I can get something more????
>
> Experiences with attic antennas? Input appreciated!
>
> Randy
> KK4EJ
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 974
members (as of 11/07/07, and attachments are NOT permitted.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
--
Leonard K. Pennock
AD7AS

Those who walk bravely through life, unafraid of loss or failure,
find that they very rarely lose or fail.

6025. Please advice with BB7V of diamond

Yahoo group: ham-antennas (2008)
Date: 2008-09-22 11:55:21 UTC
From: swlstation
Topic: 6025 Message: 6025

Hello,

A few days ago i installed a vertical multiband antenne from diamond the BB7V, but i am not happy with iat at this moment, i receive alot of QRM, (s7) and a big repeating hum sound (from 14 to 18 Mhz). Are there any users in this group that also use this antenne, and how do they like this antenne.

The reasson that i bought this antenna is due to the fact that i only can plant verticals without radiasl, du to the small space i have.

Perhaps someone of this groep can and will advice me.

Thanks

Ron (PD1ANB)

6026. my multi turn loop v beverage shootout

Yahoo group: ham-antennas (2008)
Date: 2008-09-22 15:01:57 UTC
From: DAVID
Topic: 6026 Message: 6026

this is from this morning and you can hear for yourself how the loop
is doing thanks david
http://www.youtube.com/watch?v=nP_1LJdZFao

6027. Re: end fed dipole

Yahoo group: ham-antennas (2008)
Date: 2008-09-22 15:26:12 UTC
From: Paul
Topic: 5886 Message: 6027

With the 4:1 balun, you get a little wider bandwidth.

The 200 point is easier to find than is the 50 point.

Paul - K9ERG

--- In ham-antennas@yahoogroups.com, "gadzooks.mike"
<gadzooks.mike@...> wrote:
>
> Now we're back to my original question. I have a 2 meter j-pole
> above my roof that I built. I have a 1:1 BALUN, not a 4:1 BALUN,
and
> it's pretty close to 50ohms. So, what's the 4:1 BALUN for?
>
> --- In ham-antennas@yahoogroups.com, "Paul" <paul_c_g@> wrote:
> >
> > A J-Pole is an end-fed dipole.
> >
> > A Zepp is an endfed dipole.
> >
> > The matching network in both cases is a shorted 1/4 wave open
wire
> > stub (balanced).
> >
> > This stub is fed at the point where the impedance is equal to
that
> of
> > the feedline. The feed line should be either balanced line or
coax
> > and a bulun.
> >
> > The easiest wasy is to use a balun which will also perform a 4:1
> > impedance transformation. The balun that does this is
> the "trombone".
> >
> > See:
> > http://ph.groups.yahoo.com/group/ham-antennas/photos/view/7179?b=1
> >
> > and:
> >
> > http://ph.groups.yahoo.com/group/ham-antennas/photos/view/7179?b=2
> >
> > and:
> >
> > http://ph.groups.yahoo.com/group/ham-antennas/photos/view/7179?b=3
> >

> > Measured gain on this co-linear antenna is 3.5 dBd or 5.6 dBi and
> for
> > those who insist on using a 1/4 antenna as a reference 6.5 dBq.
> >
> > Paul - K9ERG
> >
> > --- In ham-antennas@yahoogroups.com, "gadzooks.mike"
> > <gadzooks.mike@> wrote:
> > >
> > > Dunno. I said something about an end fed Zepp being very
similar
> > to
> > > a J-Pole, somebody else wrote back and said it wasn't "similar"
> > > but "the same" and then said to feed it with a 4:1 trombone
BALUN.
> > >
> > > I spend most of my days confused, no reason this one should be
> any
> > > different! HI HI
> > >
> > >
> > > --- In ham-antennas@yahoogroups.com, "Richard Schmuke" <rdj@>
> > > wrote:
> > > >
> > > > You can and do direct feed a J-Pole with a 50 ohm coax , at
the
> > 50
> > > ohm point
> > > > not at the end. You were taking about end feeding ½ a dipole,
I
> > > think. Are
> > > > we talking about an end fed Zepp , dipole or J-pole ??
> > > >
> > > >
> > > >
> > > > I was wrong to use the word "match" with the trombone.
> > > >
> > > >
> > > >
> > > >
> > > >
> > > > Rich , KDØZZ
> > > >
> > > >
> > > >
> > > >
> > > >
> > > >
> > > >
> > > > From: ham-antennas@yahoogroups.com [mailto:ham-

> > > antennas@yahoogroups.com] On
> > > > Behalf Of gadzooks.mike
> > > > Sent: Thursday, September 18, 2008 9:03 AM
> > > > To: ham-antennas@yahoogroups.com
> > > > Subject: [ham-antennas] Re: end fed dipole
> > > >
> > > >
> > > >
> > > > Can't you direct feed a j-pole to 50ohm coax? Why a 4:1 BALUN?
> > > >
> > > > --- In ham-antennas@yahoogroups.com <mailto:ham-antennas%
> > > 40yahoogroups.com>
> > > > , "Richard Schmuke" <rdj@>
> > > > wrote:
> > > > >
> > > > > Tom ,
> > > > >
> > > > > They are in all the ARRL hand books and antenna books, it
is
> a
> > > loop
> > > > of coax
> > > > > shaped like a trombone and help match the antenna to the
coax.
> > > > >
> > > > >
> > > > >
> > > > >
> > > > >
> > > > > Rich , KDØZZ
> > > > >
> > > > >
> > > > >
> > > > >
> > > > >
> > > > >
> > > > >
> > > > >] On Behalf Of Tom Horne
> > > > > Subject: [ham-antennas] Re: end fed dipole
> > > > >
> > > > >
> > > > >
> > > > > Paul
> > > > > A trombone balun is a new one on me. Could you please
explain?
> > > > > --
> > > > > Tom Horne, W3TDH
> > > > >
> > > > > > 1f. Re: end fed dipole
> > > > > >

> > > > > <http://groups.yahoo.com/group/ham-
> > > > antennas/message/5923;_ylc=X3oDMTJyNjdwdm
> > > > >
> > > >
> > >
> >
>
ptBF9TAzk3MzU5NzE1BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARtc2dJ
> > > > ZAM1OT
> > > > > IzBHNlYwNkbXNnBHNsawN2bXNnBHN0aW1lAzEyMjE2NjU1MjE->
> > > > > >
> > > > > >
> > > > > > Posted by: "Paul" paul_c_g@ <mailto:paul_c_g%40yahoo.com>
> > > > > > <mailto:paul_c_g@ <mailto:paul_c_g%40yahoo.com>
> > > > > ?Subject=%20Re%3A%20end%20fed%20dipole>
> > > > > > k9erg_1 <http://profiles.yahoo.com/k9erg_1>
> > > > > >
> > > > > >
> > > > > > Wed Sep 17, 2008 8:31 am (PDT)
> > > > > >
> > > > > > Not very close... SAME AS...
> > > > > >
> > > > > > and feed it through a 4:1 trombone balun to prevent RF
> > currents
> > > on
> > > > > > the outside of the coax.
> > > > > >
> > > > > > Paul - K9ERG
> > > > > >
> > > > >
> > > > > [Non-text portions of this message have been removed]
> > > > >
> > > > >
> > > > >
> > > > >
> > > > >
> > > > > [Non-text portions of this message have been removed]
> > > > >
> > > >
> > > >
> > > >
> > > >
> > > >
> > > > [Non-text portions of this message have been removed]
> > > >
> > >
> >
>

6028. 2m beam question

Yahoo group: ham-antennas (2008)
Date: 2008-09-22 19:40:01 UTC
From: Mark Blanton
Topic: 6028 Message: 6028

I've been a ham 26 years but have little VHF weak signal experience. Last week I purchased and Icom 746Pro with 2m all-mode capability. I have a tower with a 3-el tribander and 2m Ringo Ranger vertical. Was wondering if I could put a horizontally polarized 11-element 2m beam just below the Ringo (and above the tribander) without any crosstalk between to two 2m antennas? I could take the Ringo down and put the beam in its place but really want to keep the vertical up there for repeater coverage. I realize I may be trying to have my cake and eat it too, but comments and recommendations are appreciated.

Mark WC5M

6029. Re: [ham-antennas] 2m beam question

Yahoo group: ham-antennas (2008)
Date: 2008-09-22 19:55:07 UTC
From: Angus
Topic: 6028 Message: 6029

Mark the antennas will be 90degrees out of phase with each other which is good, there will be some crosstalk but possibly not worth worrying about (I guess your going to dwitch between the yagis with either a coaxial switch or coaxial relay), unless your going for very weak signal stuff and if you where you might have a lot more 2mtr yagis up.
Put up the yagi and keep the vertical and enjoy both worlds of 2mtrs (FM, SSB)
good luck
regards
Gus M0IKB
----- Original Message -----
From: Mark Blanton
To: ham-antennas@yahoogroups.com
Sent: Monday, September 22, 2008 8:40 PM
Subject: [ham-antennas] 2m beam question

I've been a ham 26 years but have little VHF weak signal experience. Last week I purchased and Icom 746Pro with 2m all-mode capability. I have a tower with a 3-el tribander and 2m Ringo Ranger vertical. Was wondering if I could put a horizontally polarized 11-element 2m beam just below the Ringo (and above the tribander) without any crosstalk between to two 2m antennas? I could take the Ringo down and put the beam in its place but really want to keep the vertical up there for repeater coverage. I realize I may be trying to have my cake and eat it too, but comments and recommendations are appreciated.

Mark WC5M

--
I am using the free version of SPAMfighter for home users.
SPAMfighter has removed 3204 spam emails to date.
Paying users do not have this message in their emails.
Get the free SPAMfighter here: http://www.spamfighter.com/len

[Non-text portions of this message have been removed]

6030. Re: end fed dipole

Yahoo group: ham-antennas (2008)
Date: 2008-09-22 19:55:25 UTC
From: gadzooks.mike
Topic: 5886 Message: 6030

Gotcha. Thanks!

--- In ham-antennas@yahoogroups.com, "Paul" <paul_c_g@...> wrote:
>
> With the 4:1 balun, you get a little wider bandwidth.
>
> The 200 point is easier to find than is the 50 point.
>
> Paul - K9ERG
>
> --- In ham-antennas@yahoogroups.com, "gadzooks.mike"
> <gadzooks.mike@> wrote:
> >
> > Now we're back to my original question. I have a 2 meter j-pole
> > above my roof that I built. I have a 1:1 BALUN, not a 4:1 BALUN,
> and
> > it's pretty close to 50ohms. So, what's the 4:1 BALUN for?

6031. RE: [ham-antennas] 2m beam question

Yahoo group: ham-antennas (2008)
Date: 2008-09-22 20:17:31 UTC
From: Richard Schmuke
Topic: 6028 Message: 6031

Mark

No problem with that because they will have different feed lines.

Rich , KDØZZ

Disclaimer: Any errors in spelling or facts are transmission errors.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Mark Blanton
Sent: Monday, September 22, 2008 2:40 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] 2m beam question

I've been a ham 26 years but have little VHF weak signal experience. Last week I purchased and Icom 746Pro with 2m all-mode capability. I have a tower with a 3-el tribander and 2m Ringo Ranger vertical. Was wondering if I could put a horizontally polarized 11-element 2m beam just below the Ringo (and above the tribander) without any crosstalk between to two 2m antennas? I could take the Ringo down and put the beam in its place but really want to keep the vertical up there for repeater coverage. I realize I may be trying to have my cake and eat it too, but comments and recommendations are appreciated.

Mark WC5M

[Non-text portions of this message have been removed]

6032. Re: [ham-antennas] 2m beam question

Yahoo group: ham-antennas (2008)
Date: 2008-09-22 20:29:32 UTC
From: vaclav sal
Topic: 6028 Message: 6032

It theory the radiated fields are 90 degrees "out of phase " and the "crosstalk" (I am not so sure we are using the right term here) would be none. In practice the attenuation is somewhere in 20 to 30 db range.

However the interaction between the antennas would only be a problem if you are planning to use them in full duplex operation and on same or close-by frequency.

In early sixties Czech military was successfully using polarized Yagis in 400 MHz range in point to point communication. The link had different polarization for transmit and receive and worked as full duplex channel operation. I do not recall the "channel" frequency separation, but it carried three audio channels without any crosstalk.
.
73 Vaclav AA7EJ

[Non-text portions of this message have been removed]

6033. Re: Attic HF antennas options? Ideas welcome

Yahoo group: ham-antennas (2008)
Date: 2008-09-23 00:44:48 UTC
From: Randy McKenzie
Topic: 5988 Message: 6033

I watched a home improvement show and they were using a sheathing material that had a layer of foil, and claimed the foil was to reflect the UV rays and not allow them to enter the house. Maybe this is what you have?

My roof is asphalt shingles, plywood and a metal ridge vent. Ive already explored the idea of seperating the center section, bonding each joint and using the metal as the dipole! Its AL, and I expect it would be pretty broad band considering its size.....

Randy
KK4EJ

"A good Tech never makes mistakes, only adjustments"

> I am seeking opinions / experience / comments from anybody who is using attic antenna under this flame retardant / heat reflecting setup.
> 73 Vaclav AA7EJ

6034. Re: 2m beam question

Yahoo group: ham-antennas (2008)
Date: 2008-09-23 00:52:06 UTC
From: Randy McKenzie
Topic: 6028 Message: 6034

Mark:

You should be fine. Seems like the figure was 60db of "isolation" between horizontal and vert.....seperate feedlines and some space will let you have both.

Ive seperated commercial VHF on towers vertically and they dont hear each other even with some close spaced duplex channels.

If you do have some issues, try lowering the bottom antenna a few inches, sometimes youll find a "null" and they dont even see each other. VHF is funny that way.

I recently purchased a Yaesu 857 and hope to play with some SSB on 6M and 2M, never used that mode on those bands, should be some fun!

Randy
KK4EJ

--- In ham-antennas@yahoogroups.com, "Mark Blanton" <wc5m@...> wrote:
>
> I've been a ham 26 years but have little VHF weak signal
experience.
> Last week I purchased and Icom 746Pro with 2m all-mode capability.
I
> have a tower with a 3-el tribander and 2m Ringo Ranger vertical.
Was
> wondering if I could put a horizontally polarized 11-element 2m beam
> just below the Ringo (and above the tribander) without any crosstalk
> between to two 2m antennas? I could take the Ringo down and put the
> beam in its place but really want to keep the vertical up there for
> repeater coverage. I realize I may be trying to have my cake and eat
it
> too, but comments and recommendations are appreciated.
>
> Mark WC5M
>

6035. Rotator pilot light replacement

Yahoo group: ham-antennas (2008)
Date: 2008-09-23 17:32:52 UTC
From: Kenneth Grimm
Topic: 6035 Message: 6035

Has anyone replaced the pilot lamp in the Yaesu G2800, G1000, G800 dxa series rotator? Is there a readily available substitute without going through Yaesu? Has anyone replaced the incandescent lamp with LEDs?
Thanks,
Ken - K4XL

6036. rotor

Yahoo group: ham-antennas (2008)
Date: 2008-09-24 01:42:20 UTC
From: k9ttt@comcast.net
Topic: 6036 Message: 6036

I have found that many items at garage and yard sales can be ham related, but the seller has no clue what they are or what to price them at. This weekend was a good weekend for me (I am a junkie). I found coax for nothing, a box of galvanized clamps for $2.00 and a rotor for a buck. Not working? junk it. Works--great deal for me. What I got was an Alliance Tenna Rotor, model U-110 head (only) It is a four wire unit. It says the Genie Company on the tag. It's the old "click..click..click" type. Any ideas on the motor, or instructions? Don't know if I wasted a buck, but I spend that much in pop during work.
TIA
Dale H. Cole K8TS

"Seldom does one show more creativity than when folding a map"

[Non-text portions of this message have been removed]

6037. Re: [ham-antennas] rotor

Yahoo group: ham-antennas (2008)
Date: 2008-09-24 02:26:10 UTC
From: Sam Cook
Topic: 6036 Message: 6037

See here.....
http://www.normsrotorservice.com/press3-alliance.htm

Sam Cook, Milan, MO
Amateur Extra Class Radio Station AC?OK
ARES Official Emergency Station, Sullivan Co., MO
Military Affiliate Radio System (MARS) AAR7AO
FEMA IS-00100.a Certified
==========

k9ttt@... wrote:
> I have found that many items at garage and yard sales can be ham
> related, but the seller has no clue what they are or what to price
> them at. This weekend was a good weekend for me (I am a junkie). I
> found coax for nothing, a box of galvanized clamps for $2.00 and a
> rotor for a buck. Not working? junk it. Works--great deal for me.
> What I got was an Alliance Tenna Rotor, model U-110 head (only) It
> is a four wire unit. It says the Genie Company on the tag. It's
> the old "click..click..click" type. Any ideas on the motor, or
> instructions? Don't know if I wasted a buck, but I spend that much
> in pop during work. TIA Dale H. Cole K8TS
>

6038. Old VB-66dx Hy-gain

Yahoo group: ham-antennas (2008)
Date: 2008-09-24 02:47:20 UTC
From: Skip
Topic: 6038 Message: 6038

Hello eveyone,
New member here.
I am looking for a manual for an older Hy-Gain VB-66DX. It a 6 meter 6 elm on a 25 ft beam. I want to make sure it is a 66dx and it is set up correct. It is missing the center that joins the two beam sections together and mounts it to the mast The manual on the web site is for a newer model. I talked to there tech service and they do not have one.
If anyone has any info it would be great.
Thanks in advance.
73s
Skip KC2RKU

6039. Re: [ham-antennas] Rotator pilot light replacement

Yahoo group: ham-antennas (2008)
Date: 2008-09-24 04:07:50 UTC
From: Dave, K2DP
Topic: 6035 Message: 6039

HI Ken,

I have replaced the lamps in the 2800 with the exact replacement from Yaesu. Not exactly a "serviceable" item as you need to completely disassemble the rotator control unit, get to a printed circuit board that is buried beneath and behind others, and then un-solder the lamp leads from the board and replace with the new lamp.

A real pain in the neck considering the ease with which you can replace the lamps in the CDE rotators. On the other hand, we have had the 2800 in service for 9 years now with a very large Force 12 C36XR antenna and assorted VHF beams and have had no problems with the rotator itself !

73,
Dave, K2DP
----- Original Message -----
From: Kenneth Grimm
To: ham-antennas@yahoogroups.com
Sent: Tuesday, September 23, 2008 12:32 PM
Subject: [ham-antennas] Rotator pilot light replacement

Has anyone replaced the pilot lamp in the Yaesu G2800, G1000, G800 dxa series rotator? Is there a readily available substitute without going through Yaesu? Has anyone replaced the incandescent lamp with LEDs?
Thanks,
Ken - K4XL

[Non-text portions of this message have been removed]

6040. New file uploaded to ham-antennas

Yahoo group: ham-antennas (2008)
Date: 2008-09-24 05:04:47 UTC
From: ham-antennas@yahoogroups.com
Topic: 389 Message: 6040

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the ham-antennas
group.

File : /VB-66DX.pdf
Uploaded by : digitpower101 <digitpower101@...>
Description : Hy-Gain VB-66DX manual

You can access this file at the URL:
http://groups.yahoo.com/group/ham-antennas/files/VB-66DX.pdf

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/members/web/index.htmlfiles

Regards,

digitpower101 <digitpower101@...>

6041. AW: [ham-antennas] Old VB-66dx Hy-gain

Yahoo group: ham-antennas (2008)
Date: 2008-09-24 05:06:04 UTC
From: Salvi
Topic: 6038 Message: 6041

hi skip, in the files section i have uploaded the manual for the Hy-Gain VB-66DX

vy 73 de Salvi / HB9GBY

Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im Auftrag von Skip
Gesendet: Mittwoch, 24. September 2008 04:47
An: ham-antennas@yahoogroups.com
Betreff: [ham-antennas] Old VB-66dx Hy-gain

Hello eveyone,
New member here.
I am looking for a manual for an older Hy-Gain VB-66DX. It a 6 meter 6 elm on a 25 ft beam. I want to make sure it is a 66dx and it is set up correct. It is missing the center that joins the two beam sections together and mounts it to the mast The manual on the web site is for a newer model. I talked to there tech service and they do not have one.
If anyone has any info it would be great.
Thanks in advance.
73s
Skip KC2RKU

[Non-text portions of this message have been removed]

6042. Re: [ham-antennas] Rotator pilot light replacement

Yahoo group: ham-antennas (2008)
Date: 2008-09-24 11:59:36 UTC
From: Kenneth D. Grimm, K4XL
Topic: 6035 Message: 6042

Hi Dave,

Thanks for the bad news! 8*)

I had started to open the box up and have a look and finally realized that I was going to have to completely disassemble the thing in order to even have a look at the bulb. That's when I put everything back together and posted my first message. I guess I'll just wait until I do have trouble with it then take it completely apart, measure the voltage at the bulb, do the resistance calculation and replace it with a wide angle white LED.

Thanks again for the information.

Ken - K4XL

Dave, K2DP wrote:
> HI Ken,
>
> I have replaced the lamps in the 2800 with the exact replacement from Yaesu. Not exactly a "serviceable" item as you need to completely disassemble the rotator control unit, get to a printed circuit board that is buried beneath and behind others, and then un-solder the lamp leads from the board and replace with the new lamp.
>
> A real pain in the neck considering the ease with which you can replace the lamps in the CDE rotators. On the other hand, we have had the 2800 in service for 9 years now with a very large Force 12 C36XR antenna and assorted VHF beams and have had no problems with the rotator itself !
>
> 73,
> Dave, K2DP
> ----- Original Message -----
> From: Kenneth Grimm
> To: ham-antennas@yahoogroups.com
> Sent: Tuesday, September 23, 2008 12:32 PM
> Subject: [ham-antennas] Rotator pilot light replacement
>
>
> Has anyone replaced the pilot lamp in the Yaesu G2800, G1000, G800 dxa
> series rotator? Is there a readily available substitute without going
> through Yaesu? Has anyone replaced the incandescent lamp with LEDs?
> Thanks,
> Ken - K4XL
>
>
>

>
>
>

6043. Re: [ham-antennas] HY-GAIN AV-640 VERTICAL

Yahoo group: ham-antennas (2008)
Date: 2008-09-24 12:03:31 UTC
From: yash@aol.com
Topic: 5942 Message: 6043

Brad
?does the ant needed to be guyed ? I noticed they didn't say much about it in the manual.
thanks
dale wt4t

-----Original Message-----
From: Brad Gass <n3jpl@...>
To: ham-antennas@yahoogroups.com
Sent: Thu, 18 Sep 2008 9:33 am
Subject: Re: [ham-antennas] HY-GAIN AV-640 VERTICAL

?
??????????? JUST AN EDITORIAL:
?
???????????? I have a MFJ-1796 Vertical on the roof of my city house. Verticals are
???? extremely short and this antenna has gotten me Europe, South America with
???? great reports. Its a bit cumbersome on getting it tuned, but i am very satisfied
???? with the results, especially with the bands the way they have been.
?????????????? Brad? N3JPL

--- On Thu, 9/18/08, yash@... <yash@...> wrote:

From: yash@... <yash@...>
Subject: [ham-antennas] HY-GAIN AV-640 VERTICAL
To: ham-antennas@yahoogroups.com
Date: Thursday, September 18, 2008, 12:09 PM

Does anyone in the group have any real life opinions about this antenna? I have no room for any vertical that requires radials,need a counterpoise antenna. I have tried the gap titan,and the r-8,ok but not great. I have heard the 640 was a good performer for a vertical.
?? Looking for any and all opinions.
thanks
dale wt4t

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[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

6044. Re: [ham-antennas] HY-GAIN AV-640 VERTICAL

Yahoo group: ham-antennas (2008)
Date: 2008-09-24 12:18:53 UTC
From: yash@aol.com
Topic: 5942 Message: 6044

Hi Dan
?I know we have talked before about the antenna. I pulled the t-6 log down and sold it last week,just too big 40' elements, too hard to drop the tower for me and the xyl, each time it looked like a storm might hit around here. I tried a gap titan ,wasent impressed at at all ,plus the ant swayed all over with out guys,really badly. I kept the tilt base and would use it with the 640, if I go that way. I guess I should look at your , said that a few times before ,somehow never made it. Ive finally stopped and fully retired from Carrier so have lots of time now. Let me know when you will be around,this time I will make it.to look at the 640.
thanks
dale wt4t

-----Original Message-----
From: Dan Schaaf <dan-schaaf@...>
To: ham-antennas@yahoogroups.com
Sent: Thu, 18 Sep 2008 11:23 am
Subject: Re: [ham-antennas] HY-GAIN AV-640 VERTICAL

Dale

We have talked before. I am using this antenna with excellent success. Ask any pertinent questions and I will be happy to answer them.

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com "In the Beginning, there was Spark Gap"

----- Original Message -----
From: Brad Gass
To: ham-antennas@yahoogroups.com
Sent: Thursday, September 18, 2008 12:33 PM
Subject: Re: [ham-antennas] HY-GAIN AV-640 VERTICAL

JUST AN EDITORIAL:

I have a MFJ-1796 Vertical on the roof of my city house. Verticals are
extremely short and this antenna has gotten me Europe, South America with
great reports. Its a bit cumbersome on getting it tuned, but i am very satisfied
with the results, especially with the bands the way they have been.
Brad N3JPL

--- On Thu, 9/18/08, yash@... <yash@...> wrote:

From: yash@... <yash@...>
Subject: [ham-antennas] HY-GAIN AV-640 VERTICAL
To: ham-antennas@yahoogroups.com
Date: Thursday, September 18, 2008, 12:09 PM

Does anyone in the group have any real life opinions about this antenna? I have no room for any vertical that requires radials,need a counterpoise antenna. I have tried the gap titan,and the r-8,ok but not great. I have heard the 640 was a good performer for a vertical.
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thanks
dale wt4t

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[Non-text portions of this message have been removed]

6045. Re: [ham-antennas] HY-GAIN AV-640 VERTICAL

Yahoo group: ham-antennas (2008)
Date: 2008-09-24 12:42:55 UTC
From: Dan Schaaf
Topic: 5942 Message: 6045

Dale

No Guys required in normal FL weather. When Hurricanes get nearby in the gulf, I tilt it down if I expect winds over 80 MPH.

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com "In the Beginning, there was Spark Gap"
==========
NOBSKA
www.nobska.net
==========
Cape Cod Instruments
www.oceanbiz.net
==========
----- Original Message -----
From: yash@...
To: ham-antennas@yahoogroups.com
Sent: Wednesday, September 24, 2008 8:03 AM
Subject: Re: [ham-antennas] HY-GAIN AV-640 VERTICAL

Brad
?does the ant needed to be guyed ? I noticed they didn't say much about it in the manual.
thanks
dale wt4t

-----Original Message-----
From: Brad Gass <n3jpl@...>
To: ham-antennas@yahoogroups.com
Sent: Thu, 18 Sep 2008 9:33 am
Subject: Re: [ham-antennas] HY-GAIN AV-640 VERTICAL

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???? with the results, especially with the bands the way they have been.
?????????????? Brad? N3JPL

--- On Thu, 9/18/08, yash@... <yash@...> wrote:

From: yash@... <yash@...>
Subject: [ham-antennas] HY-GAIN AV-640 VERTICAL
To: ham-antennas@yahoogroups.com
Date: Thursday, September 18, 2008, 12:09 PM

Does anyone in the group have any real life opinions about this antenna? I have no room for any vertical that requires radials,need a counterpoise antenna. I have tried the gap titan,and the r-8,ok but not great. I have heard the 640 was a good performer for a vertical.
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dale wt4t

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6046. Re: Attic HF antennas options? Ideas welcome

Yahoo group: ham-antennas (2008)
Date: 2008-09-24 14:21:13 UTC
From: Wade
Topic: 5988 Message: 6046

Randy, I've spent the better part of a year and a half experimenting with different stealth antennas. I love the Ventenna for 2M/440. I even sent in some pictures to the mfg. if you want to look at them:

http://www.ventenna.com/Stealth.html

As for HF, man I've tried just about everything. I've got a 40 meter dipole in the attic fed by 450 ohm window line. I use an MFJ Intellituner to drive the balanced antenna. It works on every band from 40 to 10.

I tried an SGC autocoupler in the attic and elsewhere around the property but was getting too much noise.

I also have 20, 40 and 80 meter dipoles affixed to a six foot wooden fence in the backyard. They work surprisingly well, and despite the low elevation I work a fair amount of DX.

You might also consider a Buddipole for use while you're operating, then simply take it down. I use one on a 20 foot painters pole when the DX is good and I find it works better than anything I've got for 20 meters.

Hope this helps.

Wade
K4WMN

6047. using 2 antennes (automatic switchable ??)

Yahoo group: ham-antennas (2008)
Date: 2008-09-24 20:21:26 UTC
From: swlstation
Topic: 6047 Message: 6047

Hello,

I have the following question, i have a vertical antenne for HF (diamond bb7v) and a wellbrook RECEIVIN loop, due to the fact that i receive a lot of QRM on my vertical i would like to do the following, receiving on the loop and transmitting on the vertical.

Is this possible and how to do this ??

any advice is welcome.

thanks

ron (pd1anb)

6048. RE: [ham-antennas] using 2 antennes (automatic switchable ??)

Yahoo group: ham-antennas (2008)
Date: 2008-09-24 20:55:07 UTC
From: Callum M0MCX
Topic: 6047 Message: 6048

Depends on the radio. FT1000MPs (for instance) have a receiving jack that the user can select. It will switch automatically.

You may need a manual coax switch or perhaps build a simple footswitch assembly triggering a coax relay or similar.

Cheers,

Callum McCormick

http://www.m0mcx.co.uk/

If you think education is expensive, try ignorance.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of swlstation
Sent: 24 September 2008 21:21
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] using 2 antennes (automatic switchable ??)

Hello,

I have the following question, i have a vertical antenne for HF (diamond bb7v) and a wellbrook RECEIVIN loop, due to the fact that i receive a lot of QRM on my vertical i would like to do the following, receiving on the loop and transmitting on the vertical.

Is this possible and how to do this ??

any advice is welcome.

thanks

ron (pd1anb)

[Non-text portions of this message have been removed]

6049. Re: [ham-antennas] using 2 antennes (automatic switchable ??)

Yahoo group: ham-antennas (2008)
Date: 2008-09-24 21:28:33 UTC
From: Leonard K. Pennock
Topic: 6047 Message: 6049

If your radio doesn't have a dedicated port for a receive antenna you will needs some sort of antenna switch. A electronic Coax switch and using the T/R Line for a Amp would make it pretty automatic.

swlstation wrote:
> Hello,
>
> I have the following question, i have a vertical antenne for HF
> (diamond bb7v) and a wellbrook RECEIVIN loop, due to the fact that i
> receive a lot of QRM on my vertical i would like to do the following,
> receiving on the loop and transmitting on the vertical.
>
> Is this possible and how to do this ??
>
> any advice is welcome.
>
> thanks
>
> ron (pd1anb)
>
>
>
> ----------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 974 members (as of 11/07/07, and attachments are NOT permitted.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
--
Leonard K. Pennock
AD7AS

Those who walk bravely through life, unafraid of loss or failure,
find that they very rarely lose or fail.

6050. Re: [ham-antennas] using 2 antennes (automatic switchable ??)

Yahoo group: ham-antennas (2008)
Date: 2008-09-24 21:54:53 UTC
From: N0ATH
Topic: 6047 Message: 6050

Hello Ron- Some of the HF rigs have two antenna connectors (or more)
on the rear apron for this provision - what rig are you using? Otherwise
you could probably wire in a Dow coaxial Key - and I am sre there are
several others, Dow just came to my mind - Dave N?ATH

----- Original Message -----
From: "swlstation" <rsnhvd@...>
To: <ham-antennas@yahoogroups.com>
Sent: Wednesday, September 24, 2008 3:21 PM
Subject: [ham-antennas] using 2 antennes (automatic switchable ??)

Hello,

I have the following question, i have a vertical antenne for HF
(diamond bb7v) and a wellbrook RECEIVIN loop, due to the fact that i
receive a lot of QRM on my vertical i would like to do the following,
receiving on the loop and transmitting on the vertical.

Is this possible and how to do this ??

any advice is welcome.

thanks

ron (pd1anb)

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 974
members (as of 11/07/07,
and attachments are NOT permitted.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

No virus found in this incoming message.
Checked by AVG - http://www.avg.com
Version: 8.0.169 / Virus Database: 270.7.1/1688 - Release Date: 9/24/2008 6:29 AM

6051. Re: HY-GAIN AV-640 VERTICAL

Yahoo group: ham-antennas (2008)
Date: 2008-09-24 23:23:10 UTC
From: W7IBB
Topic: 5942 Message: 6051

I am also thinking of buying this antenna. I've heard it is a good one. I need to mount it on my roof and was thinking of using a short tripod tower like the one sold by Bencher for their veriticals. Only problem I see is the lack of 80 meter coverage. Does anyone know if it would help to add radials in addition to the counterpoise that is part of this antenna?

Thanks,

Vee W7IBB (Utah)

--- In ham-antennas@yahoogroups.com, "Dan Schaaf" <dan-schaaf@...> wrote:
>
> Dale
>
> No Guys required in normal FL weather. When Hurricanes get nearby in the gulf, I tilt it down if I expect winds over 80 MPH.
>
> Best Regards
> Dan Schaaf
> K3ZXL www.k3zxl.com "In the Beginning, there was Spark Gap"
> ==========
> NOBSKA
> www.nobska.net
> ==========
> Cape Cod Instruments
> www.oceanbiz.net
> ==========
> ----- Original Message -----
> From: yash@...
> To: ham-antennas@yahoogroups.com
> Sent: Wednesday, September 24, 2008 8:03 AM
> Subject: Re: [ham-antennas] HY-GAIN AV-640 VERTICAL
>
>
> Brad
> ?does the ant needed to be guyed ? I noticed they didn't say much about it in the manual.
> thanks
> dale wt4t
>
> -----Original Message-----
> From: Brad Gass n3jpl@...
> To: ham-antennas@yahoogroups.com
> Sent: Thu, 18 Sep 2008 9:33 am

> Subject: Re: [ham-antennas] HY-GAIN AV-640 VERTICAL
>
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> ??????????? JUST AN EDITORIAL:
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very satisfied
> ???? with the results, especially with the bands the way they have
been.
> ??????????????? Brad? N3JPL
>
> --- On Thu, 9/18/08, yash@... yash@... wrote:
>
> From: yash@... yash@...
> Subject: [ham-antennas] HY-GAIN AV-640 VERTICAL
> To: ham-antennas@yahoogroups.com
> Date: Thursday, September 18, 2008, 12:09 PM
>
> Does anyone in the group have any real life opinions about this
antenna? I have no room for any vertical that requires radials,need a
counterpoise antenna. I have tried the gap titan,and the r-8,ok but not
great. I have heard the 640 was a good performer for a vertical.
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> [Non-text portions of this message have been removed]
>

6052. Re: [ham-antennas] Re: HY-GAIN AV-640 VERTICAL

Yahoo group: ham-antennas (2008)
Date: 2008-09-25 00:25:32 UTC
From: Dan Schaaf
Topic: 5942 Message: 6052

Vee

I have been using this antenna for 3 yrs. Works great.

DO NOT add radials. They serve no purpose. It may actually degrade the operation and raise the SWR.

DO NOT elevate it more than 8 feet. There is no advantage.
It will not work on 80 meters.

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com "In the Beginning, there was Spark Gap"
==========
NOBSKA
www.nobska.net
==========
Cape Cod Instruments
www.oceanbiz.net
==========
----- Original Message -----
From: W7IBB
To: ham-antennas@yahoogroups.com
Sent: Wednesday, September 24, 2008 7:23 PM
Subject: [ham-antennas] Re: HY-GAIN AV-640 VERTICAL

I am also thinking of buying this antenna. I've heard it is a good one. I need to mount it on my roof and was thinking of using a short tripod tower like the one sold by Bencher for their veriticals. Only problem I see is the lack of 80 meter coverage. Does anyone know if it would help to add radials in addition to the counterpoise that is part of this antenna?

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Vee W7IBB (Utah)

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> Best Regards
> Dan Schaaf

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> ----- Original Message -----
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> To: ham-antennas@yahoogroups.com
> Sent: Wednesday, September 24, 2008 8:03 AM
> Subject: Re: [ham-antennas] HY-GAIN AV-640 VERTICAL
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> To: ham-antennas@yahoogroups.com
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[Non-text portions of this message have been removed]

6053. RE: [ham-antennas] Re: HY-GAIN AV-640 VERTICAL

Yahoo group: ham-antennas (2008)
Date: 2008-09-25 01:08:23 UTC
From: Jerry Stern
Topic: 5942 Message: 6053

Dan,

Do you have this ground mounted on an 8' mast or roof mounted?

73 Jerry

-----Original Message-----
From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Dan Schaaf
Sent: Wednesday, September 24, 2008 8:26 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: HY-GAIN AV-640 VERTICAL

Vee

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DO NOT add radials. They serve no purpose. It may actually degrade the operation and raise the SWR.

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Dan Schaaf
K3ZXL www.k3zxl.com "In the Beginning, there was Spark Gap"
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Cape Cod Instruments
www.oceanbiz.net
==========
----- Original Message -----
From: W7IBB
To: ham-antennas@ <mailto:ham-antennas%40yahoogroups.com> yahoogroups.com
Sent: Wednesday, September 24, 2008 7:23 PM
Subject: [ham-antennas] Re: HY-GAIN AV-640 VERTICAL

I am also thinking of buying this antenna. I've heard it is a good one. I need to mount it on my roof and was thinking of using a short tripod tower like the one sold by Bencher for their veriticals. Only problem I see is the lack of 80 meter coverage. Does anyone know if it would help to add radials in addition to the counterpoise that is part of this antenna?

Thanks,

Vee W7IBB (Utah)

--- In ham-antennas@ <mailto:ham-antennas%40yahoogroups.com>
yahoogroups.com, "Dan Schaaf" <dan-schaaf@...>
wrote:
>
> Dale
>
> No Guys required in normal FL weather. When Hurricanes get nearby in
the gulf, I tilt it down if I expect winds over 80 MPH.
>
> Best Regards
> Dan Schaaf
> K3ZXL www.k3zxl.com "In the Beginning, there was Spark Gap"
> ==========
> NOBSKA
> www.nobska.net
> ==========
> Cape Cod Instruments
> www.oceanbiz.net
> ==========
> ----- Original Message -----
> From: yash@...
> To: ham-antennas@ <mailto:ham-antennas%40yahoogroups.com> yahoogroups.com
> Sent: Wednesday, September 24, 2008 8:03 AM
> Subject: Re: [ham-antennas] HY-GAIN AV-640 VERTICAL
>
>
> Brad
> ?does the ant needed to be guyed ? I noticed they didn't say much
about it in the manual.
> thanks
> dale wt4t
>
> -----Original Message-----
> From: Brad Gass n3jpl@...
> To: ham-antennas@ <mailto:ham-antennas%40yahoogroups.com> yahoogroups.com
> Sent: Thu, 18 Sep 2008 9:33 am
> Subject: Re: [ham-antennas] HY-GAIN AV-640 VERTICAL
>
> ?
> ??????????? JUST AN EDITORIAL:
> ?
> ???????????? I have a MFJ-1796 Vertical on the roof of my city house.
Verticals are
> ???? extremely short and this antenna has gotten me Europe, South
America with
> ???? great reports. Its a bit cumbersome on getting it tuned, but i am
very satisfied
> ???? with the results, especially with the bands the way they have
been.

> ?????????????? Brad? N3JPL
>
> --- On Thu, 9/18/08, yash@... yash@... wrote:
>
> From: yash@... yash@...
> Subject: [ham-antennas] HY-GAIN AV-640 VERTICAL
> To: ham-antennas@ <mailto:ham-antennas%40yahoogroups.com> yahoogroups.com
> Date: Thursday, September 18, 2008, 12:09 PM
>
> Does anyone in the group have any real life opinions about this
antenna? I have no room for any vertical that requires radials,need a
counterpoise antenna. I have tried the gap titan,and the r-8,ok but not
great. I have heard the 640 was a good performer for a vertical.
> ?? Looking for any and all opinions.
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6054. Re: [ham-antennas] using 2 antennes (automatic switchable ??)

Yahoo group: ham-antennas (2008)
Date: 2008-09-25 01:15:25 UTC
From: Steve Friis
Topic: 6047 Message: 6054

swlstation wrote:
> Hello,
>
> I have the following question, i have a vertical antenne for HF
> (diamond bb7v) and a wellbrook RECEIVIN loop, due to the fact that i
> receive a lot of QRM on my vertical i would like to do the following,
> receiving on the loop and transmitting on the vertical.
>
> Is this possible and how to do this ??
>
> any advice is welcome.
>
> thanks
>
> ron (pd1anb)
>
You didn't tell us quite enough information.

What is the transmitter/transceiver?

--
Steve Friis
Amateur Call WM5Z
APRS WM5Z-1 Las Cruces Igate | APRS WM5Z-2 Home | APRS WM5Z-3 RV | APRS WM5Z-15 Weather

6055. Re: [ham-antennas] Re: HY-GAIN AV-640 VERTICAL

Yahoo group: ham-antennas (2008)
Date: 2008-09-25 01:19:17 UTC
From: Dan Schaaf
Topic: 5942 Message: 6055

Ground mounted on a 7 ft mast. You can see photos on my website

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com "In the Beginning, there was Spark Gap"

----- Original Message -----
From: Jerry Stern
To: ham-antennas@yahoogroups.com ; 'Dan Schaaf'
Sent: Wednesday, September 24, 2008 9:08 PM
Subject: RE: [ham-antennas] Re: HY-GAIN AV-640 VERTICAL

Dan,

Do you have this ground mounted on an 8' mast or roof mounted?

73 Jerry

-----Original Message-----
From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On
Behalf Of Dan Schaaf
Sent: Wednesday, September 24, 2008 8:26 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: HY-GAIN AV-640 VERTICAL

Vee

I have been using this antenna for 3 yrs. Works great.

DO NOT add radials. They serve no purpose. It may actually degrade the
operation and raise the SWR.

DO NOT elevate it more than 8 feet. There is no advantage.
It will not work on 80 meters.

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com "In the Beginning, there was Spark Gap"
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Thanks,

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> Dale
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> No Guys required in normal FL weather. When Hurricanes get nearby in the gulf, I tilt it down if I expect winds over 80 MPH.
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6056. RE: [ham-antennas] Re: HY-GAIN AV-640 VERTICAL

Yahoo group: ham-antennas (2008)
Date: 2008-09-25 01:38:41 UTC
From: Jerry Stern
Topic: 5942 Message: 6056

Hi Dan,

I want to replace my Hustler and already have about 60 radials well planted, each around 70' long ! I wonder if they will help or hurt if I switch to the AV-640.... any thoughts?

73 Jerry
K1JOS

-----Original Message-----
From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Dan Schaaf
Sent: Wednesday, September 24, 2008 9:19 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: HY-GAIN AV-640 VERTICAL

Ground mounted on a 7 ft mast. You can see photos on my website

Best Regards
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K3ZXL www.k3zxl.com "In the Beginning, there was Spark Gap"

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6057. Re: Sorry to say all comeHow many radials are needed for multiband trap vertical

Yahoo group: ham-antennas (2008)
Date: 2008-09-25 01:59:07 UTC
From: xperts88
Topic: 5969 Message: 6057

Hi Thanks for your reply and I am sorry to say--- In
ham-antennas@yahoogroups.com, "Callum M0MCX" <callum@...> wrote:
>
> 30 x 40 feet? Try loaded radials.. Even Z shaped radials..?
>
>
>
> To build these, make a dipole in the garden to fit, by inserting
some coils
> and fiddle with them to get them approximately the right size (I
have a 40m
> loaded dipole on my site as an example).
>
>
>
> Once the dipole is finished in a size that will fit your site,
convert them
> to radials by connecting them to the radial (earth) point on the
antenna.
> Voila! You will then have resonant radials.
>
>
>
> You understand?
>
>
>
> Callum McCormick
>
> http://www.m0mcx.co.uk/
>
> If you think education is expensive, try ignorance.
>
>
>
> From: ham-antennas@yahoogroups.com
[mailto:ham-antennas@yahoogroups.com] On
> Behalf Of xperts88
> Sent: 20 September 2008 18:58
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] Re: How many radials are needed on the roky-sand
> soil to inatall multiband vertical?
>
>

>
> Hi Callum I had seen your website years ago hi hi---I know
> you have a great space you can choose to bury or elevate radials.
> Thank you for your elevated radial as I know.
> but 5 or 6band, I could not have set them as my trapped vertical
> includes 80m and 50ft 33ft elevated radial in not real thing for
> me. I need to intall them on 30x40 ft around land lot.
> So if you or anyone has a good ideas , please let me know.
>
> In ham-antennas@yahoogroups.com
<mailto:ham-antennas%40yahoogroups.com> ,
> "Callum M0MCX" <callum@> wrote:
> >
> > Tim,
> >
> > The bottom line is that you will get a 50 ohm match with great SWR
> with a
> > pair (two) of quarter wave radials raised above the ground sloping
> down 30
> > degrees from horizontal, 180 degrees apart and about .2 wavelengths
> above
> > the ground. You will be achieving roughly same performance as
around 60
> > buried radials.
> >
> > You can vary these variables a lot (but not the quarter wave
> dimension) and
> > it won't make too much difference at all. Just elevate yours a
couple of
> > feet off ground as a test.
> >
> > You can do this for all the bands your antenna is supposed to work
> and all
> > will be fine.
> >
> > (Of course, if you are heading for grounded radials, this is a
different
> > story.. You need lots as discussed, certainly 60+ but I'm not sure
> what will
> > happen to impedance. I always build elevated radials).
> >
> > See here for this year's winter vertical project using SG230 as a
> matching
> > system. Works as a 5/8th on 20m band - just put it up last weekend.
> Works
> > well on the lower HF bands.
> >
> > - http://www.m0mcx.co.uk/gallery/index.php?/category/78
> >
> > Good luck,

> >
> > Callum McCormick
> > http://www.m0mcx.co.uk/
> >
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

6058. Re: Sorry to say Callum alls I coud not reply for a reason

Yahoo group: ham-antennas (2008)
Date: 2008-09-25 02:11:16 UTC
From: xperts88
Topic: 5969 Message: 6058

For all and Callum I miss-posted now. My laptop and desktop PC were
dead and send e-mail by anothe place.
sod I could not reply anyone who kindly to advice me many thing.

Callum I tried multiple trap verticals and saw your great site to
learun ground,radial systems.
I had already tried Z -shape radial placed on the rocky -sand though,
that was failed to match any band.
So I think the amount of radial is insufficient.
I know the difference of the resistance between 32 radials and 8
radials but Cu wire costs too expensive so I am looking forto get them
in low cost. #26-18 AWG sounds real to me
but I will try 32 radials, Thanks Cullum and if any additional advice
to me I am very appreciated.73 Tim

6059. Re: How many radials are needed on the roky-sand soil to inatall multiband vertical?

Yahoo group: ham-antennas (2008)
Date: 2008-09-25 04:47:14 UTC
From: xperts88
Topic: 5969 Message: 6059

Steve I am sorry to reply too late.my laptop pc works too bad now.
it is going to be buriied.
Well thanks for your good idea.
As your advice altered the iron screen at the same square of my
vehicle, I can understand it soon.
As quoted from your advice, 5"square is right?
I tried 5feet square metal grid on the rocky-sand,
but did not resonate or got any correct field data
of multiband trap vertical.
TU 73 Tim,

6060. Re: using 2 antennes (automatic switchable ??)

Yahoo group: ham-antennas (2008)
Date: 2008-09-25 04:55:07 UTC
From: swlstation
Topic: 6047 Message: 6060

--- In ham-antennas@yahoogroups.com, "swlstation" <rsnhvd@...> wrote:
>
> Hello,
>
> I have the following question, i have a vertical antenne for HF
> (diamond bb7v) and a wellbrook RECEIVIN loop, due to the fact that i
> receive a lot of QRM on my vertical i would like to do the following,
> receiving on the loop and transmitting on the vertical.
>
> Is this possible and how to do this ??
>
> any advice is welcome.
>
> thanks
>
> ron (pd1anb)
>

Sorry for the extra information, but i am using a YASEU FT-897d, this
one has 2 antenne inputs, only one is used for VHF/UHF

ron (pd1anb)

6061. Re: [ham-antennas] Re: How many radials are needed on the roky-sand soil to inatall multiband vertical?

Yahoo group: ham-antennas (2008)
Date: 2008-09-25 05:02:37 UTC
From: Steve Friis
Topic: 5969 Message: 6061

xperts88 wrote:
> Steve I am sorry to reply too late.my laptop pc works too bad now.
> it is going to be buriied.
> Well thanks for your good idea.
> As your advice altered the iron screen at the same square of my
> vehicle, I can understand it soon.
> As quoted from your advice, 5"square is right?
> I tried 5feet square metal grid on the rocky-sand,
> but did not resonate or got any correct field data
> of multiband trap vertical.
> TU 73 Tim,
>
>
I think you are saying that your antenna modeling software isn't showing
you correct figures?

What you should see is that with 125MM square steel wire and 15 to 16
meters X 15 to 16 meters of coverage, you should be able to make your
vertical work pretty good. It will be about 10 X better than a car
mounted antenna. It will not be perfect, but should work really nice on
40 - 10 meters, and you should be able to match up an 80 meter pole.

73

--
Steve Friis
Amateur Call WM5Z
APRS WM5Z-1 Las Cruces Igate | APRS WM5Z-2 Home | APRS WM5Z-3 RV | APRS WM5Z-15 Weather

6062. Re: How many radials are needed on the roky-sand soil to inatall multiband vertical?

Yahoo group: ham-antennas (2008)
Date: 2008-09-25 06:04:00 UTC
From: xperts88
Topic: 5969 Message: 6062

Hiash, ashton,
I am sorry to say my reply is too late because of my laptop PC
went to heaven.
Well thank you for your advice.
I know your very much rocky-area has to choose very resitriced antennas.
I know. the coral block place of my lot is like your place, too.

> did on the black soil of the midwest. There is just no reflectivity
in the dry rocky soil.
I think, from my portable operation on the rock operation,
with 16 radials #14 copper wire resonated at the bottom band
worked well intercontinental QSO and Atlantic path.

> An antenna such as a Hustler 6BTV will "work"... you'll have lots of
QSOs... as long as you have 2 radials per band and minimise contact
I failed 2 radials per band everytime. Radials is expected to
be more than 8 but on some band like 40m and 15m, as you know
40m radials resonate on 15m band so to operate on 80,40,20,10
8x4 is 32 radials were needed.
> with the soil (remember desert soil isn't very conductive so a little
> contact doesn't mean much).
Certainly,
But you will get way better performance
> from wires in the air and/or horizontally polarized antennas. I've
> modeled very low yagis over dry soil and while yagis always benefit
> from height, a low yagi will still strongly outperfrom a vertical
over dry soil.
I thinks so. the full size dipole or inertedV is the final way
at the IOTA operations.
> For one simple solution look into the Buckmaster antenna. It sets up as

> Another fairly easy fix is to use a "no radials needed" antenna such
as a Cushcraft MA5V (needs to be mounted at least 10 fee off the
ground), a Sigma 5 or a Par end fed Vertical dipole. None of these
will work as well over rocky soil as on an island in the pacific. But
they will work

I love Sigma antennas for Sigma5 and Sigma40 with homebrew tuner.
it works very well but the bottom element is lower , the better
peformance we get.Why does MA5 should mount at least 10 feet high?
Let me know.

> You asked about using the MFJ259B... not much to it... just stick it
on the ground and touch only the plastic knob when checking the antenna.
Sure I did ash, but body effect caused VSWR or IMP lowered.

So other people advised me to make choke coil and keep out
the radial placed area. so I never measure them in the area of
radials.
Tim,

6063. OCF dipole question

Yahoo group: ham-antennas (2008)
Date: 2008-09-25 10:55:55 UTC
From: lecontejoe
Topic: 6063 Message: 6063

A couple of days ago I erected an off-center-fed dipole for 80, 40, 20, and 10. Uses a Balun Designs 4:1 balun:
http://www.balundesigns.com/servlet/the-56/current-balun-4-cln-1-designs/Detail

I built the antenna to these dimensions:
http://www.wcerc.org/Projects/ocf_dipole.asp

One leg is 86' 2-1/2 inches, the other is 46' 9-1/2 inches.

The balun is attached to a PVC vent pipe coming out of the roof of my house about 20 feet off the ground. The short end runs to the garage and terminates about 10 feet off the ground while the long end runs to my workshop and terminates about 15 feet off the ground.

My MFJ analyzer shows SWR to be:

-- 2.5:1 - 3:1 across 80.
-- under 1.75:1 across 40
-- 3:1 at bottom and top of 20, under 2:1 most of the rest of the band
-- 1.5:1 - 2.5:1 across 10

I'm runnning an FT-857D with FC-30 automatic tuner. The rig does what I expected -- at points where SWR showed around or over 3:1 on the MFJ antenna analyzer, the tuner tries to tune the line then shows high SWR warning and shuts down the transmitter.

I noticed when checking the antenna with the analyzer that resonances with 1:1 matches appeared at:
4.25 MHz
7.175 MHZ
14.5 MHz

Now -- if I add a couple of feet of wire to each end of the antenna to bring resonance down to inside 80 and 20, what's going to happen to resonance at 40 meters? Seems as though that would drop below 40.

Weather is bad right now but I'm thinking when it clears up I'll cut two lengths of wire, 3 feet, solder to alligator clips, clip onto the ends of the antenna and see what happens.

Or -- is the antenna too low to reach any kind of resonance on 80?

Thanks.

6064. Re: [ham-antennas] OCF dipole question

Yahoo group: ham-antennas (2008)
Date: 2008-09-25 11:48:02 UTC
From: Walter A. Breining
Topic: 6063 Message: 6064

You will just have to try it.

In addition, another thing that you could try is adding a bit of wire to one end or the other only.
Also you could try adding wire to one end and shortening the other as though you were sliding the feedpoint one way or the other.

Vy 73, Walt, N9WB

----- Original Message -----
From: lecontejoe
To: ham-antennas@yahoogroups.com
Sent: Thursday, September 25, 2008 06:55
Subject: [ham-antennas] OCF dipole question

A couple of days ago I erected an off-center-fed dipole for 80, 40, 20, and 10. Uses a Balun Designs 4:1 balun:
http://www.balundesigns.com/servlet/the-56/current-balun-4-cln-1-designs/Detail

I built the antenna to these dimensions:
http://www.wcerc.org/Projects/ocf_dipole.asp

One leg is 86' 2-1/2 inches, the other is 46' 9-1/2 inches.

The balun is attached to a PVC vent pipe coming out of the roof of my house about 20 feet off the ground. The short end runs to the garage and terminates about 10 feet off the ground while the long end runs to my workshop and terminates about 15 feet off the ground.

My MFJ analyzer shows SWR to be:

-- 2.5:1 - 3:1 across 80.
-- under 1.75:1 across 40
-- 3:1 at bottom and top of 20, under 2:1 most of the rest of the band
-- 1.5:1 - 2.5:1 across 10

I'm runnning an FT-857D with FC-30 automatic tuner. The rig does what I expected -- at points where SWR showed around or over 3:1 on the MFJ antenna analyzer, the tuner tries to tune the line then shows high SWR warning and shuts down the transmitter.

I noticed when checking the antenna with the analyzer that resonances with 1:1 matches appeared at:
4.25 MHz
7.175 MHZ
14.5 MHz

Now -- if I add a couple of feet of wire to each end of the antenna to bring resonance down to inside 80 and 20, what's going to happen to resonance at 40 meters? Seems as though that would drop below 40.

Weather is bad right now but I'm thinking when it clears up I'll cut two lengths of wire, 3 feet, solder to alligator clips, clip onto the ends of the antenna and see what happens.

Or -- is the antenna too low to reach any kind of resonance on 80?

Thanks.

No virus found in this incoming message.
Checked by AVG - http://www.avg.com
Version: 8.0.169 / Virus Database: 270.7.2/1690 - Release Date: 9/25/2008
07:05

6065. Re: [ham-antennas] OCF dipole question

Yahoo group: ham-antennas (2008)
Date: 2008-09-25 14:12:06 UTC
From: van lincoln
Topic: 6063 Message: 6065

go here and read about OCF antenna
design/construction/installation/heights etc.
wd8aam

http://hamcall.net/7bandocf.html

At 05:55 AM 9/25/2008, you wrote:

>A couple of days ago I erected an off-center-fed dipole for 80, 40,
>20, and 10. Uses a Balun Designs 4:1 balun:
><http://www.balundesigns.com/servlet/the-56/current-balun-4-cln-1->http://www.balundesign
s.com/servlet/the-56/current-balun-4-cln-1-
>designs/Detail
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><http://www.wcerc.org/Projects/ocf_dipole.asp>http://www.wcerc.org/Projects/ocf_dipole.as
p
>
>One leg is 86' 2-1/2 inches, the other is 46' 9-1/2 inches.
>
>The balun is attached to a PVC vent pipe coming out of the roof of my
>house about 20 feet off the ground. The short end runs to the garage
>and terminates about 10 feet off the ground while the long end runs
>to my workshop and terminates about 15 feet off the ground.
>
>My MFJ analyzer shows SWR to be:
>
>-- 2.5:1 - 3:1 across 80.
>-- under 1.75:1 across 40
>-- 3:1 at bottom and top of 20, under 2:1 most of the rest of the band
>-- 1.5:1 - 2.5:1 across 10
>
>I'm runnning an FT-857D with FC-30 automatic tuner. The rig does
>what I expected -- at points where SWR showed around or over 3:1 on
>the MFJ antenna analyzer, the tuner tries to tune the line then shows
>high SWR warning and shuts down the transmitter.
>
>I noticed when checking the antenna with the analyzer that resonances
>with 1:1 matches appeared at:
>4.25 MHz
>7.175 MHZ
>14.5 MHz
>
>Now -- if I add a couple of feet of wire to each end of the antenna
>to bring resonance down to inside 80 and 20, what's going to happen
>to resonance at 40 meters? Seems as though that would drop below 40.

>
>Weather is bad right now but I'm thinking when it clears up I'll cut
>two lengths of wire, 3 feet, solder to alligator clips, clip onto the
>ends of the antenna and see what happens.
>
>Or -- is the antenna too low to reach any kind of resonance on 80?
>
>Thanks.
>
>

[Non-text portions of this message have been removed]

6066. Re: [ham-antennas] OCF dipole question

Yahoo group: ham-antennas (2008)
Date: 2008-09-25 14:51:43 UTC
From: Steve Friis
Topic: 6063 Message: 6066

lecontejoe wrote:
> A couple of days ago I erected an off-center-fed dipole for 80, 40,
> 20, and 10. Uses a Balun Designs 4:1 balun:
> http://www.balundesigns.com/servlet/the-56/current-balun-4-cln-1-
> designs/Detail
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> I built the antenna to these dimensions:
> http://www.wcerc.org/Projects/ocf_dipole.asp
>
> One leg is 86' 2-1/2 inches, the other is 46' 9-1/2 inches.
>
> The balun is attached to a PVC vent pipe coming out of the roof of my
> house about 20 feet off the ground. The short end runs to the garage
> and terminates about 10 feet off the ground while the long end runs
> to my workshop and terminates about 15 feet off the ground.
>
> My MFJ analyzer shows SWR to be:
>
> -- 2.5:1 - 3:1 across 80.
> -- under 1.75:1 across 40
> -- 3:1 at bottom and top of 20, under 2:1 most of the rest of the band
> -- 1.5:1 - 2.5:1 across 10
>
> I'm runnning an FT-857D with FC-30 automatic tuner. The rig does
> what I expected -- at points where SWR showed around or over 3:1 on
> the MFJ antenna analyzer, the tuner tries to tune the line then shows
> high SWR warning and shuts down the transmitter.
>
> I noticed when checking the antenna with the analyzer that resonances
> with 1:1 matches appeared at:
> 4.25 MHz
> 7.175 MHZ
> 14.5 MHz
>
> Now -- if I add a couple of feet of wire to each end of the antenna
> to bring resonance down to inside 80 and 20, what's going to happen
> to resonance at 40 meters? Seems as though that would drop below 40.
>
> Weather is bad right now but I'm thinking when it clears up I'll cut
> two lengths of wire, 3 feet, solder to alligator clips, clip onto the
> ends of the antenna and see what happens.
>
> Or -- is the antenna too low to reach any kind of resonance on 80?
>
> Thanks.

>
You could go to <http://www.eznec.com> and get the educational version
to model your antenna to see what it can do. You should be able to see
exactly what is happening in your situation. Better than playing on a
slippery wet roof.

--
Steve Friis
Amateur Call WM5Z
APRS WM5Z-1 Las Cruces Igate | APRS WM5Z-2 Home | APRS WM5Z-3 RV | APRS WM5Z-15 Weather

6067. Re: [ham-antennas] OCF dipole question

Yahoo group: ham-antennas (2008)
Date: 2008-09-25 19:34:14 UTC
From: Charlie the Swen
Topic: 6063 Message: 6067

I live in a mobile home court and only have the space over my home to put an antenna. I was thinking about this "AI4JI's Off-Center Fed Dipole / Windom Antenna" OCF but was wondering what would happen if I made it half as long. I supose I would also need to adjust the length a little because I am shortening it. (not exactly half) I will probably eventually want to work 80m but Buckmaster seems to think that 40-6 all work fine on their antenna that is half that long. That would fit because I only have 64 feet to put the antenna. The off center would work because my shack is located about 20 feet from the front of the 66 foot mobile home. I am wanting to build my own, as I feel that is part of the "fun" of being involved in Ham Radio. Just got my general license this summer. I am using a TS530 Kenwood with an AT230 Kenwood tuner and an external SWR meter so I can monitor the SWR and not fry something. I will be only using low wattage, under 300. I suppose that I am also waiting for the really foul weather to install an antenna as I understand that they work much better if you suffer a little in the installation.

Charlie
NØERE
Bismarck, ND

[Non-text portions of this message have been removed]

6068. Re: [ham-antennas] Re: using 2 antennes (automatic switchable ??)

Yahoo group: ham-antennas (2008)
Date: 2008-09-25 19:37:53 UTC
From: Ken Burchfield
Topic: 6047 Message: 6068

Ron,
If your radio does not support 2 antennas that is capable to use one on tx and one on rx on the same band,
The second option would be an external TR relay to switch antennas.
73 Ken

PacketRadio is Still Alive.....Mississippi.....145.010.....Simplex.....1200 Baud

----- Original Message ----
From: swlstation <rsnhvd@...>
To: ham-antennas@yahoogroups.com
Sent: Wednesday, September 24, 2008 10:55:07 PM
Subject: [ham-antennas] Re: using 2 antennes (automatic switchable ??)

--- In ham-antennas@ yahoogroups. com, "swlstation" <rsnhvd@...> wrote:
>
> Hello,
>
> I have the following question, i have a vertical antenne for HF
> (diamond bb7v) and a wellbrook RECEIVIN loop, due to the fact that i
> receive a lot of QRM on my vertical i would like to do the following,
> receiving on the loop and transmitting on the vertical.
>
> Is this possible and how to do this ??
>
> any advice is welcome.
>
> thanks
>
> ron (pd1anb)
>

Sorry for the extra information, but i am using a YASEU FT-897d, this
one has 2 antenne inputs, only one is used for VHF/UHF

ron (pd1anb)

_

[Non-text portions of this message have been removed]

6069. Re: [ham-antennas] OCF dipole question

Yahoo group: ham-antennas (2008)
Date: 2008-09-25 19:39:50 UTC
From: jerry
Topic: 6063 Message: 6069

have you considered the roof of the mobile home ? fiberglass or metal if metal it will act as a reflector .. how high are you able to go above the home ? lots of things to consider , a vertical might be better using the roof as a ground plane.
jerry wi7f

----- Original Message ----
From: Charlie the Swen <littlepaper@...>
To: ham-antennas@yahoogroups.com
Sent: Thursday, September 25, 2008 12:34:14 PM
Subject: Re: [ham-antennas] OCF dipole question

I live in a mobile home court and only have the space over my home to put an antenna. I was thinking about this "AI4JI's Off-Center Fed Dipole / Windom Antenna" OCF but was wondering what would happen if I made it half as long. I supose I would also need to adjust the length a little because I am shortening it. (not exactly half) I will probably eventually want to work 80m but Buckmaster seems to think that 40-6 all work fine on their antenna that is half that long. That would fit because I only have 64 feet to put the antenna. The off center would work because my shack is located about 20 feet from the front of the 66 foot mobile home. I am wanting to build my own, as I feel that is part of the "fun" of being involved in Ham Radio. Just got my general license this summer. I am using a TS530 Kenwood with an AT230 Kenwood tuner and an external SWR meter so I can monitor the SWR and not fry something. I will be only using low wattage, under 300. I suppose
that I am also waiting for the really foul weather to install an antenna as I understand that they work much better if you suffer a little in the installation.

Charlie
NØERE
Bismarck, ND

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

6070. RE: [ham-antennas] OCF dipole question

Yahoo group: ham-antennas (2008)
Date: 2008-09-25 19:45:30 UTC
From: James M.(Jim) Geidl
Topic: 6063 Message: 6070

Charlie,

Bismarck, ND? "...waiting for really foul weather...?" You only have about 25 minutes of summer there don't you. :-) I grew up in Sioux City, IA so am fairly intimate with the weather out that way.

I am curious about what would happen if you made a big rectangular open loop off all four corners of your home? Maybe the legs would be too close together but I would love to get some opinions. I also wonder what effect the metal mobile home, assuming it is metal, would have.

Jim, K6JMG
//

> [mailto:ham-antennas@yahoogroups.com] On Behalf Of Charlie the Swen
> Sent: Thursday, September 25, 2008 12:34 PM
> To: ham-antennas@yahoogroups.com
> Subject: Re: [ham-antennas] OCF dipole question
>
> I live in a mobile home court and only have the space over my
> home to put an antenna. I was thinking about this "AI4JI's
> Off-Center Fed Dipole / Windom Antenna" OCF but was wondering
> what would happen if I made it half as long. I supose I
> would also need to adjust the length a little because I am
> shortening it. (not exactly half) I will probably
> eventually want to work 80m but Buckmaster seems to think
> that 40-6 all work fine on their antenna that is half that
> long. That would fit because I only have 64 feet to put the
> antenna. The off center would work because my shack is
> located about 20 feet from the front of the 66 foot mobile
> home. I am wanting to build my own, as I feel that is part
> of the "fun" of being involved in Ham Radio. Just got my
> general license this summer. I am using a TS530 Kenwood with
> an AT230 Kenwood tuner and an external SWR meter so I can
> monitor the SWR and not fry something. I will be only using
> low wattage, under 300. I suppose that I am also waiting for
> the really foul weather to install an antenna as I understand
> that they work much better if you suffer a little in the installation.
>
> Charlie
> NØERE
> Bismarck, ND

6071. Re: [ham-antennas] OCF dipole question

Yahoo group: ham-antennas (2008)
Date: 2008-09-25 20:25:45 UTC
From: Charlie the Swen
Topic: 6063 Message: 6071

I have thought of the loop. If that was 132' and it went from corner to corner on the 14'X66' roof there would be a 28' gap between the ends of the loop. I don't want the thing to look too "antenna", maybe I can say that it is just my attempt to make a digital TV antenna. I was thinking that the OCF would be a little less obvious. I have also thought of a Z formation using 132' of wire, although I have heard that the Z isn't as effective as the loop or the inverted V dipole.

I suppose that is the problem with opinions is that they are just that..... opinions.

Would the loop have to be horizontal; how far would it have to be from the metal roof and siding and would that become some kind of couterpoise? The biggest problem with this is that the best way to find out is to put one up and see what happens.

Oh, yes, Summer is already over.... but fall can be really nice....

Charlie
NØERE

[Non-text portions of this message have been removed]

6072. Re: [ham-antennas] Re: using 2 antennes (automatic switchable ??)

Yahoo group: ham-antennas (2008)
Date: 2008-09-25 20:42:15 UTC
From: Ken Burchfield
Topic: 6047 Message: 6072

Ron, here is one solution by Phil AD5X
You can download his .pdf and get diagram and pictures.
73 Ken
[PDF]
Separate Transmit/Receive Antenna Switching Phil Salas ? AD5X ...
File Format: PDF/Adobe Acrobat - View as HTML
important for the relay to fully energize before your transmitter puts out power . ... a simple external antenna switch for separate transmit/receive antenna ...
www.ad5x.com/images/Articles/AntTRswitchRevA.pdf - Similar pages

Separate Transmit/Receive Antenna Switching
Phil Salas ? AD5X

Introduction
There are times when it can be beneficial to use separate antennas for transmitting and receiving. As an example, a vertical antenna can be a great radiator on 160 and 80 meters, but it may also be a very noisy receiving antenna. So maybe the low-noise characteristics of a magnetic loop antenna or a beverage antenna may sometimes be desired for receiving. Now many higher-end transceivers have a separate antenna connector for a receive-only antenna. But my IC-706MKIIG, like most low-to-moderate priced transceivers, does not. However, it is not difficult to provide separate T/R antenna switching externally for most radios.

Design Consideration
The T/R antenna switch uses a relay for antenna switching, under control of the amplifier interface available on most transceivers. Since lead lengths and their associated inductances are very forgiving at frequencies below 30 MHz, the important thing becomes the current rating of the relay contacts and the relay switching time, as it is important for the relay to fully energize before your transmitter puts out power. The heart of this unit is the Fujitsu 10-amp SPDT relay called out in the parts list (Table 1). This relay has a specified maximum switching time of 10 milliseconds. I measured the HSEND-to-RF Output on my IC-706MKIIG as 12-15 milliseconds from start of the output RF to full RF power. So the 10 millisecond switching time of this relay is perfect for this transceiver.

The Circuit
Figure 1 is the schematic of the antenna switch. The relay driver interface is pretty generic and should work with most transceivers that provide an open-collector transistor to ground for enabling an external amplifier. On the IC-706MKIIG, the HSEND output is a bi-directional output that must only drive a high impedance load, and should not be pulled up higher than 8-volts. For most other transceivers you can just connect the +8V point to a +13.8V input as is shown by the dashed line on the schematic. The LED shows when the TX antenna has been selected. You can add a SPST switch in series with the either the +8 or +13.8V inputs to disable the switch when desired. I found it just as easy to unplug the interface cable to the transceiver when the separate antenna switching is not needed. I used SO-239 connectors for the RF interfaces, and a Molex 4-pin miniature

connector for the control signals. All circuitry is wired on two terminal strips. The relay and LED are mounted by hot-gluing them to the bottom of the aluminum box. Photos A and B show the inside and outside of the transmit/receive antenna switch.

Conclusion
I?ve described a simple external antenna switch for separate transmit/receive antenna switching. If your transceiver doesn?t have a separate receive-only antenna connector, this switch will inexpensively solve this problem.

Phil ? AD5X

Table 1: Parts List
QTY Description Source Price ea.
1 2.7x2.2x1.6? AL box Mouser 546-1411BU $3.30
1 SPDT 10-amp relay Mouser 817-FTR-H1CA012V $1.88
1 4-pin Molex plug Mouser 538-030-06-2043 $0.77
1 4-pin Molex socket Mouser 538-03-06-1044 $0.77
4 0.062 F contacts Mouser 538-02-06-1103 $0.19
4 0.062 M contacts Mouser 538-02-06-2103 $0.19
2 Terminal Strip Mouser 158-1005 $0.55
3 SO-239 connectors All Electronics SO-239 $1.00
1 2N2222A transistor All Electronics 2N2222A 2/$1.00
1 2N3906 transistor All Electronics 2N3906 5/$0.75
1 Ultrabright red LED All Electronics LED-94 $0.75
1 10K resistor All Electronics 10K-1/4 5/$0.50
3 1K resistor All Electronics 1K-1/4 5/$0.50
1 1N4001 diode All Electronics 1N4001 15/$1.00

PacketRadio is Still Alive.....Mississippi.....145.010.....Simplex.....1200 Baud

----- Original Message ----
From: swlstation <rsnhvd@...>
To: ham-antennas@yahoogroups.com
Sent: Wednesday, September 24, 2008 10:55:07 PM
Subject: [ham-antennas] Re: using 2 antennes (automatic switchable ??)

--- In ham-antennas@ yahoogroups. com, "swlstation" <rsnhvd@...> wrote:
>
> Hello,
>
> I have the following question, i have a vertical antenne for HF
> (diamond bb7v) and a wellbrook RECEIVIN loop, due to the fact that i
> receive a lot of QRM on my vertical i would like to do the following,
> receiving on the loop and transmitting on the vertical.
>
> Is this possible and how to do this ??
>
> any advice is welcome.
>
> thanks
>
> ron (pd1anb)

[Non-text portions of this message have been removed]

6073. RE: [ham-antennas] OCF dipole question

Yahoo group: ham-antennas (2008)
Date: 2008-09-25 20:59:24 UTC
From: James M.(Jim) Geidl
Topic: 6063 Message: 6073

Charlie,

Tell the neighbors it is part of your prowl alert system...my neighbors bought it! :-)

Jim, K6JMG
//

> [mailto:ham-antennas@yahoogroups.com] On Behalf Of Charlie the Swen
> Sent: Thursday, September 25, 2008 1:26 PM
> To: ham-antennas@yahoogroups.com
> Subject: Re: [ham-antennas] OCF dipole question
>
> I have thought of the loop. If that was 132' and it went
> from corner to corner on the 14'X66' roof there would be a
> 28' gap between the ends of the loop. I don't want the thing
> to look too "antenna", maybe I can say that it is just my
> attempt to make a digital TV antenna. I was thinking that
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> that the Z isn't as effective as the loop or the inverted V dipole.
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> I suppose that is the problem with opinions is that they are
> just that..... opinions.
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> Would the loop have to be horizontal; how far would it have
> to be from the metal roof and siding and would that become
> some kind of couterpoise? The biggest problem with this is
> that the best way to find out is to put one up and see what happens.
>
>
> Oh, yes, Summer is already over.... but fall can be really nice....
>
> Charlie
> NØERE

6074. Re: [ham-antennas] Re: using 2 antennes (automatic switchable ??)

Yahoo group: ham-antennas (2008)
Date: 2008-09-25 21:29:52 UTC
From: k8bew
Topic: 6047 Message: 6074

----- Original Message ----
From: Ken Burchfield <k5jxl@...>
To: ham-antennas@yahoogroups.com
Sent: Thursday, September 25, 2008 4:42:15 PM
Subject: Re: [ham-antennas] Re: using 2 antennes (automatic switchable ??)

Ron, here is one solution by Phil AD5X
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73 Ken
[PDF]
Separate Transmit/Receive Antenna Switching Phil Salas ? AD5X ...
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important for the relay to fully energize before your transmitter puts out power . ... a simple external antenna switch for separate transmit/receive antenna ...
www.ad5x.com/images/Articles/AntTRswitchRevA.pdf - Similar pages

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Phil ? AD5X

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3? SO-239 connectors? All Electronics SO-239? ? $1.00
1? 2N2222A transistor? All Electronics 2N2222A? ? 2/$1.00
1? 2N3906 transistor? All Electronics 2N3906? ? 5/$0.75
1? Ultrabright red LED? All Electronics LED-94? ? $0.75
1? 10K resistor? ? All Electronics 10K-1/4? ? 5/$0.50
3? 1K resistor? ? All Electronics 1K-1/4? ? 5/$0.50
1? 1N4001 diode? All Electronics 1N4001? ? 15/$1.00

? PacketRadio is Still Alive.....Mississippi.....145.010.....Simplex.....1200 Baud

----- Original Message ----
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To: ham-antennas@yahoogroups.com
Sent: Wednesday, September 24, 2008 10:55:07 PM
Subject: [ham-antennas] Re: using 2 antennes (automatic switchable ??)

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> Hello,
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> receiving on the loop and transmitting on the vertical.
>
> Is this possible and how to do this ??
>
> any advice is welcome.
>
> thanks
>
> ron (pd1anb)

? ? ?

[Non-text portions of this message have been removed]

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 974 members (as of 11/07/07, and attachments are NOT permitted.
Post message: ham-antennas@yahoogroups.com
Subscribe:? ham-antennas-subscribe@yahoogroups.com
Unsubscribe:? ham-antennas-unsubscribe@yahoogroups.com
List owner:? ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

[Non-text portions of this message have been removed]

6075. Unknown Tower.

Yahoo group: ham-antennas (2008)
Date: 2008-09-26 22:00:07 UTC
From: Skip
Topic: 6075 Message: 6075

Hello Everybody,

I picked up 5 sections of a tower. 4 sections look like the size of 55g and the other looks like 25g. It is very well made and heavy. They are 10' long and have 8 rungs.
Foot print on the larger size is 18 3/4 center to center, smaller size is 10 1/2 . I will upload some pictures. Any help would be great. I am lookng for the spec or any information.
Thank you in advance.
73s
Skip KC2RKU

6076. Re: [ham-antennas] Unknown Tower.

Yahoo group: ham-antennas (2008)
Date: 2008-09-27 00:00:19 UTC
From: Ken Burchfield
Topic: 6075 Message: 6076

Here is a good website with Rohn tower data
http://www.neasmn.org/rohn/rohn.htm
73 Ken

PacketRadio is Still Alive.....Mississippi.....145.010.....Simplex.....1200 Baud

----- Original Message ----
From: Skip <bigt101@...>
To: ham-antennas@yahoogroups.com
Sent: Friday, September 26, 2008 4:00:07 PM
Subject: [ham-antennas] Unknown Tower.

Hello Everybody,

I picked up 5 sections of a tower. 4 sections look like the size of 55g
and the other looks like 25g. It is very well made and heavy. They are
10' long and have 8 rungs.
Foot print on the larger size is 18 3/4 center to center, smaller size
is 10 1/2 . I will upload some pictures. Any help would be great. I am
lookng for the spec or any information.
Thank you in advance.
73s
Skip KC2RKU

[Non-text portions of this message have been removed]

6077. RE: [ham-antennas] Unknown Tower.

Yahoo group: ham-antennas (2008)
Date: 2008-09-27 00:04:10 UTC
From: Gary H. Harmon, Jr
Topic: 6075 Message: 6077

What kind of horiz rungs does it have Skip?

Gary H. Harmon, Jr. / K5JWK
San Antonio, TX 78239-1504
210.884.6926
gharmon@...

"Being a grandparent is a marvelous thing!"

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Skip
Sent: Friday, September 26, 2008 5:00 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Unknown Tower.

Hello Everybody,

I picked up 5 sections of a tower. 4 sections look like the size of 55g and the other looks like 25g. It is very well made and heavy. They are 10' long and have 8 rungs.
Foot print on the larger size is 18 3/4 center to center, smaller size is 10 1/2 . I will upload some pictures. Any help would be great. I am lookng for the spec or any information.
Thank you in advance.
73s
Skip KC2RKU

[Non-text portions of this message have been removed]

6078. Re: Unknown Tower.

Yahoo group: ham-antennas (2008)
Date: 2008-09-27 00:13:15 UTC
From: Skip
Topic: 6075 Message: 6078

Hi Gary,
They are straight across, about 1.5-2 inches Rolled steel. Very nice welds on them. They are not rohn and I sent a picture to American tower. They said that it was not one of thiers.
Any help would be great. If you look at the pictures you can see the details.
Thanks for the come back
Skip

In ham-antennas@yahoogroups.com, "Gary H. Harmon, Jr" <gharmon@...> wrote:
>
> What kind of horiz rungs does it have Skip?
>
> Gary H. Harmon, Jr. / K5JWK
> San Antonio, TX 78239-1504
> 210.884.6926
> gharmon@...
>
> "Being a grandparent is a marvelous thing!"
>
>
>
> _____
>
> From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On
> Behalf Of Skip
> Sent: Friday, September 26, 2008 5:00 PM
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] Unknown Tower.
>
>
>
> Hello Everybody,
>
> I picked up 5 sections of a tower. 4 sections look like the size of 55g
> and the other looks like 25g. It is very well made and heavy. They are
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> Foot print on the larger size is 18 3/4 center to center, smaller size
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> Thank you in advance.
> 73s
> Skip KC2RKU
>
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> [Non-text portions of this message have been removed]
>

6079. RE: [ham-antennas] Re: Unknown Tower.

Yahoo group: ham-antennas (2008)
Date: 2008-09-27 00:16:13 UTC
From: Gary H. Harmon, Jr
Topic: 6075 Message: 6079

It sounds like what I think was called a JANZ or something like that tower.
I had ones years ago. Can you send me the pics?

73,

Gary H. Harmon, Jr. / K5JWK
San Antonio, TX 78239-1504
210.884.6926
gharmon@...

"Being a grandparent is a marvelous thing!"

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Skip
Sent: Friday, September 26, 2008 7:13 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: Unknown Tower.

Hi Gary,
They are straight across, about 1.5-2 inches Rolled steel. Very nice welds on them. They are not rohn and I sent a picture to American tower. They said that it was not one of thiers.
Any help would be great. If you look at the pictures you can see the details.
Thanks for the come back
Skip

In ham-antennas@ <mailto:ham-antennas%40yahoogroups.com> yahoogroups.com, "Gary H. Harmon, Jr" <gharmon@...>
wrote:
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> What kind of horiz rungs does it have Skip?
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> Gary H. Harmon, Jr. / K5JWK
> San Antonio, TX 78239-1504
> 210.884.6926
> gharmon@...
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> "Being a grandparent is a marvelous thing!"
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> _____
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> From: ham-antennas@ <mailto:ham-antennas%40yahoogroups.com>

yahoogroups.com [mailto:ham-
antennas@yahoogroup <mailto:antennas%40yahoogroups.com> s.com] On
> Behalf Of Skip
> Sent: Friday, September 26, 2008 5:00 PM
> To: ham-antennas@ <mailto:ham-antennas%40yahoogroups.com> yahoogroups.com
> Subject: [ham-antennas] Unknown Tower.
>
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> Hello Everybody,
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> I picked up 5 sections of a tower. 4 sections look like the size of
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> Thank you in advance.
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> Skip KC2RKU
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> [Non-text portions of this message have been removed]
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[Non-text portions of this message have been removed]

6080. Re: [ham-antennas] Re: Unknown Tower.

Yahoo group: ham-antennas (2008)
Date: 2008-09-27 00:44:12 UTC
From: skipmainrr
Topic: 6075 Message: 6080

I could not send pictures to your email, it was rejected. I did put up some on the sites picture section. It labled Unknow tower.
Skip
----- Original Message -----
From: Gary H. Harmon, Jr
To: ham-antennas@yahoogroups.com
Sent: Friday, September 26, 2008 8:16 PM
Subject: RE: [ham-antennas] Re: Unknown Tower.

It sounds like what I think was called a JANZ or something like that tower.
I had ones years ago. Can you send me the pics?

73,

Gary H. Harmon, Jr. / K5JWK
San Antonio, TX 78239-1504
210.884.6926
gharmon@...

"Being a grandparent is a marvelous thing!"

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Skip
Sent: Friday, September 26, 2008 7:13 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: Unknown Tower.

Hi Gary,
They are straight across, about 1.5-2 inches Rolled steel. Very nice welds on them. They are not rohn and I sent a picture to American tower. They said that it was not one of thiers.
Any help would be great. If you look at the pictures you can see the details.
Thanks for the come back
Skip

In ham-antennas@ <mailto:ham-antennas%40yahoogroups.com> yahoogroups.com, "Gary H. Harmon, Jr" <gharmon@...>
wrote:
>
> What kind of horiz rungs does it have Skip?
>
> Gary H. Harmon, Jr. / K5JWK
> San Antonio, TX 78239-1504
> 210.884.6926

> gharmon@...
>
> "Being a grandparent is a marvelous thing!"
>
>
>
> _____
>
> From: ham-antennas@ <mailto:ham-antennas%40yahoogroups.com>
yahoogroups.com [mailto:ham-
antennas@yahoogroup <mailto:antennas%40yahoogroups.com> s.com] On
> Behalf Of Skip
> Sent: Friday, September 26, 2008 5:00 PM
> To: ham-antennas@ <mailto:ham-antennas%40yahoogroups.com> yahoogroups.com
> Subject: [ham-antennas] Unknown Tower.
>
>
>
> Hello Everybody,
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> I picked up 5 sections of a tower. 4 sections look like the size of
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> Foot print on the larger size is 18 3/4 center to center, smaller
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> lookng for the spec or any information.
> Thank you in advance.
> 73s
> Skip KC2RKU
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[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

6081. RE: [ham-antennas] Re: Unknown Tower.

Yahoo group: ham-antennas (2008)
Date: 2008-09-27 02:09:12 UTC
From: Gary H. Harmon, Jr
Topic: 6075 Message: 6081

OK, I looked at the pictures and I withdraw my JANZ comments. It looks to me like Rohn tower that needs a big time cleanup. There is lots of info on Rohn tower available. Sorry for the dry hole.

Gary H. Harmon, Jr. / K5JWK
San Antonio, TX 78239-1504
210.884.6926
gharmon@...

"Being a grandparent is a marvelous thing!"

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of skipmainrr
Sent: Friday, September 26, 2008 7:44 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: Unknown Tower.

I could not send pictures to your email, it was rejected. I did put up some on the sites picture section. It labled Unknow tower.
Skip
----- Original Message -----
From: Gary H. Harmon, Jr
To: ham-antennas@ <mailto:ham-antennas%40yahoogroups.com> yahoogroups.com
Sent: Friday, September 26, 2008 8:16 PM
Subject: RE: [ham-antennas] Re: Unknown Tower.

It sounds like what I think was called a JANZ or something like that tower. I had ones years ago. Can you send me the pics?

73,

Gary H. Harmon, Jr. / K5JWK
San Antonio, TX 78239-1504
210.884.6926
gharmon@idworld. <mailto:gharmon%40idworld.net> net

"Being a grandparent is a marvelous thing!"

From: ham-antennas@ <mailto:ham-antennas%40yahoogroups.com> yahoogroups.com [mailto:ham-antennas@ <mailto:ham-antennas%40yahoogroups.com> yahoogroups.com] On
Behalf Of Skip
Sent: Friday, September 26, 2008 7:13 PM
To: ham-antennas@ <mailto:ham-antennas%40yahoogroups.com> yahoogroups.com

Subject: [ham-antennas] Re: Unknown Tower.

Hi Gary,
They are straight across, about 1.5-2 inches Rolled steel. Very nice
welds on them. They are not rohn and I sent a picture to American
tower. They said that it was not one of thiers.
Any help would be great. If you look at the pictures you can see the
details.
Thanks for the come back
Skip

In ham-antennas@ <mailto:ham-antennas%40yahoogroups.com> yahoogroups.com,
"Gary H. Harmon, Jr" <gharmon@...>
wrote:
>
> What kind of horiz rungs does it have Skip?
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> Gary H. Harmon, Jr. / K5JWK
> San Antonio, TX 78239-1504
> 210.884.6926
> gharmon@...
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> _____
>
> From: ham-antennas@ <mailto:ham-antennas%40yahoogroups.com>
yahoogroups.com [mailto:ham-
antennas@yahoogroup <mailto:antennas%40yahoogroups.com> s.com] On
> Behalf Of Skip
> Sent: Friday, September 26, 2008 5:00 PM
> To: ham-antennas@ <mailto:ham-antennas%40yahoogroups.com> yahoogroups.com
> Subject: [ham-antennas] Unknown Tower.
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> Hello Everybody,
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[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

6082. Re: [ham-antennas] Re: Unknown Tower.

Yahoo group: ham-antennas (2008)
Date: 2008-09-27 02:37:40 UTC
From: W5CPT
Topic: 6075 Message: 6082

I have seen lots of towers similar to the one you have.

Prior to cable & satellite TV many local welding shops jigged up towers of that ilk. It was the only way the farmer could get TV out in the sticks. You will find them all over the Midwest. I seriously doubt if you will find any compatible hardware. However if you load it lightly it should serve you well. Here in West Kentucky you will find A-3s and TA-33s at reasonable heights (30 to 40 feet) on those towers.

Go to this website:

http://www.w4nja.org/n4fz.htm

and you will see a member of our local club with a very similar tower and what it took to get it pointing up.

Check it very closely for damage and rust as this will cause tears to be shed when the antenna that costs 4 times the tower becomes part of the vegetable garden or garage.

One big "Yah-But" - If your installation requires engineering drawings for a permit, you are out of luck. It would cost more than a new Rohn tower to "reverse engineer" drawings for a permit.

Don't skimp on safety, cause saving a buck could cost you your life.

Clint - W5CPT

----- Original Message -----
From: Gary H. Harmon, Jr
To: ham-antennas@yahoogroups.com
Sent: Friday, September 26, 2008 9:09 PM
Subject: RE: [ham-antennas] Re: Unknown Tower.

OK, I looked at the pictures and I withdraw my JANZ comments. It looks to me like Rohn tower that needs a big time cleanup. There is lots of info on Rohn tower available. Sorry for the dry hole.

Gary H. Harmon, Jr. / K5JWK
San Antonio, TX 78239-1504
210.884.6926
gharmon@...

"Being a grandparent is a marvelous thing!"

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of skipmainrr
Sent: Friday, September 26, 2008 7:44 PM

To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: Unknown Tower.

I could not send pictures to your email, it was rejected. I did put up some on the sites picture section. It labled Unknow tower.
Skip
----- Original Message -----
From: Gary H. Harmon, Jr
To: ham-antennas@ <mailto:ham-antennas%40yahoogroups.com> yahoogroups.com
Sent: Friday, September 26, 2008 8:16 PM
Subject: RE: [ham-antennas] Re: Unknown Tower.

It sounds like what I think was called a JANZ or something like that tower. I had ones years ago. Can you send me the pics?

73,

Gary H. Harmon, Jr. / K5JWK
San Antonio, TX 78239-1504
210.884.6926
gharmon@idworld. <mailto:gharmon%40idworld.net> net

"Being a grandparent is a marvelous thing!"

From: ham-antennas@ <mailto:ham-antennas%40yahoogroups.com> yahoogroups.com [mailto:ham-antennas@ <mailto:ham-antennas%40yahoogroups.com> yahoogroups.com] On
Behalf Of Skip
Sent: Friday, September 26, 2008 7:13 PM
To: ham-antennas@ <mailto:ham-antennas%40yahoogroups.com> yahoogroups.com
Subject: [ham-antennas] Re: Unknown Tower.

Hi Gary,
They are straight across, about 1.5-2 inches Rolled steel. Very nice welds on them. They are not rohn and I sent a picture to American tower. They said that it was not one of thiers.
Any help would be great. If you look at the pictures you can see the details.
Thanks for the come back
Skip

In ham-antennas@ <mailto:ham-antennas%40yahoogroups.com> yahoogroups.com,
"Gary H. Harmon, Jr" <gharmon@...>
wrote:
>
> What kind of horiz rungs does it have Skip?
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> Gary H. Harmon, Jr. / K5JWK
> San Antonio, TX 78239-1504
> 210.884.6926

> gharmon@...
>
> "Being a grandparent is a marvelous thing!"
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> From: ham-antennas@ <mailto:ham-antennas%40yahoogroups.com>
yahoogroups.com [mailto:ham-
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> Behalf Of Skip
> Sent: Friday, September 26, 2008 5:00 PM
> To: ham-antennas@ <mailto:ham-antennas%40yahoogroups.com> yahoogroups.com
> Subject: [ham-antennas] Unknown Tower.
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> Hello Everybody,
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> Foot print on the larger size is 18 3/4 center to center, smaller
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> lookng for the spec or any information.
> Thank you in advance.
> 73s
> Skip KC2RKU
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[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

6083. Re: [ham-antennas] rotor

Yahoo group: ham-antennas (2008)
Date: 2008-09-27 14:32:45 UTC
From: Forrest Plumstead
Topic: 6036 Message: 6083

On Tue, Sep 23, 2008 at 9:42 PM, <k9ttt@...> wrote:

> I have found that many items at garage and yard sales can be ham
> related, but the seller has no clue what they are or what to price them at.
> This weekend was a good weekend for me (I am a junkie). I found coax for
> nothing, a box of galvanized clamps for $2.00 and a rotor for a buck. Not
> working? junk it. Works--great deal for me. What I got was an Alliance Tenna
> Rotor, model U-110 head (only) It is a four wire unit. It says the Genie
> Company on the tag. It's the old "click..click..click" type. Any ideas on
> the motor, or instructions? Don't know if I wasted a buck, but I spend that
> much in pop during work.
> TIA
> Dale H. Cole K8TS
>
> "Seldom does one show more creativity than when folding a map"
>
> [Non-text portions of this message have been removed]
>
>
>
I agree about the yard sales! Recently I got a circa 1970s CB SWR/Pwr meter
for my QRP rig (Heathkit HW-8) for $3.00. It reads to 100 mws. Can't beat
it!

--
Forrest Plumstead fplum1@...
PLUMSTEAD-L List master
http://lists.rootsweb.com/index/surname/p/plumstead.html
Plumstead and Associated Families:
http://freepages.genealogy.rootsweb.com/~fplum/
Military Kool Lynx: http://geocities.com/fplum/
Ham Radio WB5HQO http://forrest.3h.com/main.html
Photos: http://myspace.com/fplum7755

[Non-text portions of this message have been removed]

6084. Re: [ham-antennas] Re: Jpole pics loaded

Yahoo group: ham-antennas (2008)
Date: 2008-09-27 16:35:38 UTC
From: Stan Labinsky Jr.
Topic: 5963 Message: 6084

May I offer another option. A co-linear Jpole which needs no insulator to support the elements at the phasing section. It's totally self supporting.

Instead of it being a pair of half wave elements, 5/8ths wave radiators are used. This allows for a shorter phasing stub, of approximately 13 inches... some might label it an inductor as it is a shorted line of less than a quarter wave's length... your call.

I've seen this antenna mentioned last year on a few sites and the one I built and installed way back in 1894... well 1994 is still up and running despite weather, wind and falling small tree branches. (When you have Silver Maples on the property, you get used to it.)

The whole thing is constructed of 1/2 inch copper pipe and sweat fittings. The only trick is to use the lead free plumbing solder. The stuff trades off the need for a bit more heat for a three x gain in strength. Probably as strong or more than the copper itself. Fourteen years in the wind should be proof of that.

Per the book, this antenna offers a free space gain of a measured and verified 3 dBd, with the main lobe centered on the stub at right angles to the elements versus the specified 2.1dBd of two half wave elements in phase.

I'm attaching the drawing inline to see if it'll make it through the filters. If not, and interest is shown I'll try to add it to the files section here
(something new to try.)

Stan

----- Original Message -----
From: Steve Friis
To: ham-antennas@yahoogroups.com
Sent: Saturday, September 20, 2008 10:15 PM
Subject: Re: [ham-antennas] Re: Jpole pics loaded

[Non-text portions of this message have been removed]

6085. New file uploaded to ham-antennas

Yahoo group: ham-antennas (2008)
Date: 2008-09-27 16:52:41 UTC
From: ham-antennas@yahoogroups.com
Topic: 389 Message: 6085

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the ham-antennas
group.

File : /DXZJ'08.JPG
Uploaded by : wa2puq <stanbarb@...>
Description : All copper Double Extended Zepp Jpole for 2mtrs.

You can access this file at the URL:
http://groups.yahoo.com/group/ham-antennas/files/DXZJ%2708.JPG

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/members/web/index.htmlfiles

Regards,

wa2puq <stanbarb@...>

6086. RE: [ham-antennas] Re: Jpole pics loaded

Yahoo group: ham-antennas (2008)
Date: 2008-09-27 17:19:06 UTC
From: Richard Schmuke
Topic: 5963 Message: 6086

Stan , did you make the upper section and phasing out of ½ pipe??? If so did you brace the phasing section at the main vertical?? I made one from PVC and wire but a stronger one is a good idea.

You will have to post your drawing in the picture section.

Rich , KDØZZ

Disclaimer: Any errors in spelling or facts are transmission errors.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Stan Labinsky Jr.
Sent: Saturday, September 27, 2008 11:36 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: Jpole pics loaded

May I offer another option. A co-linear Jpole which needs no insulator to support the elements at the phasing section. It's totally self supporting.

Instead of it being a pair of half wave elements, 5/8ths wave radiators are used. This allows for a shorter phasing stub, of approximately 13 inches... some might label it an inductor as it is a shorted line of less than a quarter wave's length... your call.

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The whole thing is constructed of 1/2 inch copper pipe and sweat fittings. The only trick is to use the lead free plumbing solder. The stuff trades off the need for a bit more heat for a three x gain in strength. Probably as strong or more than the copper itself. Fourteen years in the wind should be proof of that.

Per the book, this antenna offers a free space gain of a measured and verified 3 dBd, with the main lobe centered on the stub at right angles to the elements versus the specified 2.1dBd of two half wave elements in phase.

I'm attaching the drawing inline to see if it'll make it through the filters. If not, and interest is shown I'll try to add it to the files section here
(something new to try.)

Stan

----- Original Message -----
From: Steve Friis

To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
Sent: Saturday, September 20, 2008 10:15 PM
Subject: Re: [ham-antennas] Re: Jpole pics loaded

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

6087. RE: [ham-antennas] Re: Jpole pics loaded

Yahoo group: ham-antennas (2008)
Date: 2008-09-27 17:27:01 UTC
From: Richard Schmuke
Topic: 5963 Message: 6087

Great picture Stan , thanks!!!!

Rich , KDØZZ

Disclaimer: Any errors in spelling or facts are transmission errors.

Subject: Re: [ham-antennas] Re: Jpole pics loaded

May I offer another option. A co-linear Jpole which needs no insulator to support the elements at the phasing section. It's totally self supporting.

Instead of it being a pair of half wave elements, 5/8ths wave radiators are used. This allows for a shorter phasing stub, of approximately 13 inches... some might label it an inductor as it is a shorted line of less than a quarter wave's length... your call.

I've seen this antenna mentioned last year on a few sites and the one I built and installed way back in 1894... well 1994 is still up and running despite weather, wind and falling small tree branches. (When you have Silver Maples on the property, you get used to it.)

The whole thing is constructed of 1/2 inch copper pipe and sweat fittings. The only trick is to use the lead free plumbing solder. The stuff trades off the need for a bit more heat for a three x gain in strength. Probably as strong or more than the copper itself. Fourteen years in the wind should be proof of that.

Per the book, this antenna offers a free space gain of a measured and verified 3 dBd, with the main lobe centered on the stub at right angles to the elements versus the specified 2.1dBd of two half wave elements in phase.

I'm attaching the drawing inline to see if it'll make it through the filters. If not, and interest is shown I'll try to add it to the files section here
(something new to try.)

Stan

----- Original Message -----
From: Steve Friis
To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
Sent: Saturday, September 20, 2008 10:15 PM
Subject: Re: [ham-antennas] Re: Jpole pics loaded

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

6088. Re: Jpole pics loaded

Yahoo group: ham-antennas (2008)
Date: 2008-09-27 17:44:30 UTC
From: Randy McKenzie
Topic: 5963 Message: 6088

Stan:

Very good!

If I was to build another one today, I would try using the 5/8 lengths, just to take advantage of the shorter phasing link.

So far my J pole has been great! I have it connected to a scanner in my office and Im hearing railroad traffic nearly 40 miles away!

Randy
KK4EJ

--- In ham-antennas@yahoogroups.com, "Stan Labinsky Jr." <stanbarb@...> wrote:
>
> May I offer another option. A co-linear Jpole which needs no insulator to support the elements at the phasing section. It's totally self supporting.
>
> Instead of it being a pair of half wave elements, 5/8ths wave radiators are used. This allows for a shorter phasing stub, of approximately 13 inches... some might label it an inductor as it is a shorted line of less than a quarter wave's length... your call.
>
> I've seen this antenna mentioned last year on a few sites and the one I built and installed way back in 1894... well 1994 is still up and running despite weather, wind and falling small tree branches. (When you have Silver Maples on the property, you get used to it.)
>
> The whole thing is constructed of 1/2 inch copper pipe and sweat fittings. The only trick is to use the lead free plumbing solder. The stuff trades off the need for a bit more heat for a three x gain in strength. Probably as strong or more than the copper itself. Fourteen years in the wind should be proof of that.
>
> Per the book, this antenna offers a free space gain of a measured and verified 3 dBd, with the main lobe centered on the stub at right angles to the elements versus the specified 2.1dBd of two half wave elements in phase.
>
> I'm attaching the drawing inline to see if it'll make it through the filters. If not, and interest is shown I'll try to add it to the files section here
> (something new to try.)
>

> Stan
>
>
>
> ----- Original Message -----
> From: Steve Friis
> To: ham-antennas@yahoogroups.com
> Sent: Saturday, September 20, 2008 10:15 PM
> Subject: Re: [ham-antennas] Re: Jpole pics loaded
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

6089. Feedline passthru window solutions

Yahoo group: ham-antennas (2008)
Date: 2008-09-28 15:01:15 UTC
From: Norm Blitch
Topic: 6089 Message: 6089

Is anyone using the window passthru's by MFJ (
http://tinyurl.com/4srya3) or Pane Relief?

Are there any other makers of these, or any tips for DIY versions??

73 de Norm KE4GAH

6090. RE: [ham-antennas] Feedline passthru window solutions

Yahoo group: ham-antennas (2008)
Date: 2008-09-28 15:26:45 UTC
From: Richard Schmuke
Topic: 6089 Message: 6090

I am Mister Cheap when it comes to things like this , I made my own with a strip of plastic and a couple of holes for coax and UHF bulk head fittings. I have the ceramic insulators for the 450 ohm line but they are not needed if an acrylic panel is used , you could get by with brass or SS studs, so they are an overkill with mine but add looks. I used a brass bolt as a stud and fed my ground right out the window to a ground rod, works great . I can post a picture if needed.

Rich , KDØZZ

Disclaimer: Any errors in spelling or facts are transmission errors.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Norm Blitch
Sent: Sunday, September 28, 2008 10:01 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Feedline passthru window solutions

Is anyone using the window passthru's by MFJ (http://tinyurl.com/4srya3) or Pane Relief?

Are there any other makers of these, or any tips for DIY versions??

73 de Norm KE4GAH

[Non-text portions of this message have been removed]

6091. RE: [ham-antennas] Feedline passthru window solutions

Yahoo group: ham-antennas (2008)
Date: 2008-09-28 15:59:30 UTC
From: Richard Schmuke
Topic: 6089 Message: 6091

Norm . I posted a picture of my pass through in the Kd0zz file. It shows the pass through from the outside, you can zoom in on my strain relief on the left. It is just a strip with the coax supported by Adel clamps to the plastic and the supported by a cable. This also has a spring in the cable so there is no stress load going into the plastic. Today it shows three coax runs ,you can see the UFH and the N bulkhead fittings , ground lead and the cluster of wires are for my rotor, my rotor wire got old after 25 years so when I moved I used what was on hand and cheap. I have made a couple of these, working from the junk box is easier then buying from MFJ on the pocket book when you are retired.

Rich , KDØZZ

Disclaimer: Any errors in spelling or facts are transmission errors.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Norm Blitch
Sent: Sunday, September 28, 2008 10:01 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Feedline passthru window solutions

Is anyone using the window passthru's by MFJ (http://tinyurl.com/4srya3) or Pane Relief?

Are there any other makers of these, or any tips for DIY versions??

73 de Norm KE4GAH

[Non-text portions of this message have been removed]

6092. RE: [ham-antennas] Feedline passthru window solutions

Yahoo group: ham-antennas (2008)
Date: 2008-09-28 17:09:15 UTC
From: James M.(Jim) Geidl
Topic: 6089 Message: 6092

Norm,

I am using a 4602 but I bought some additional bulkhead connectors and added another aluminum plate and three more SO-239 connectors and an addition ground lug. It is in a vertical window. I padded the edges of it with foam and then packed a piece of foam in the gap between the two windows and it works just dandy.

Jim, K6JMG
//

> [mailto:ham-antennas@yahoogroups.com] On Behalf Of Norm Blitch
> Sent: Sunday, September 28, 2008 8:01 AM
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] Feedline passthru window solutions
>
> Is anyone using the window passthru's by MFJ (
> http://tinyurl.com/4srya3) or Pane Relief?
>
> Are there any other makers of these, or any tips for DIY versions??
>
> 73 de Norm KE4GAH

6093. Re: How many radials are needed on the roky-sand soil to inatall multiband vertical?

Yahoo group: ham-antennas (2008)
Date: 2008-09-28 18:22:10 UTC
From: xperts88
Topic: 5969 Message: 6093

Steve I am sorry I confirm is
just 125mm square steel wire (in the square space filled with wired
like a fence or nothing just a square space put to the ground at the
feed point?
I don't see what 15 to 16
> meters X 15 to 16 meters of coverage means.
15-16m square fence or solid(?) metal sheet should be added to the
125mm square steel wire ? or the separate topic?
Please let me know again OM 73 Tim,
>
> What you should see is that with 125MM square steel wire and 15 to 16
> meters X 15 to 16 meters of coverage, you should be able to make your
> vertical work pretty good. It will be about 10 X better than a car
> mounted antenna. It will not be perfect, but should work really nice on
> 40 - 10 meters, and you should be able to match up an 80 meter pole.
>
> 73
>
> --
> Steve Friis
> Amateur Call WM5Z
> APRS WM5Z-1 Las Cruces Igate | APRS WM5Z-2 Home | APRS WM5Z-3 RV |
APRS WM5Z-15 Weather
>

6094. Using Alpha Delta DX-SWL for PSK31?

Yahoo group: ham-antennas (2008)
Date: 2008-09-29 01:02:31 UTC
From: va1jgn
Topic: 6094 Message: 6094

I have an Alpha Delta DX-SWL (shortened 40' 1/4 sloper)which I use for SWL. Great antenna for SWL and built to last even in canadian winters. I am purchasing a TS-480SAT for some PSK31 and wondering if I may use this antenna for some low power work. I know that the SWL is not cut for the ham bands so will be getting something up like an DX-EE soon but for now the coax for the SWL is laying on the bench :) so here is my questions

1. Could I use this antenna for some PSK work
2. Would the ATU on the 480SAT be able to tune up 20 or 40 Meters
3. Would I get much RF in the house and rig given the ant setup?

Here is my setup The DX-SWL is attached on the outside corner of the house about 25' up, The downlead is connected to a ground rod but travels very close along the aluminum siding, The antenna feedpoint is only about 10' away from the radio connected with 50' RG58U coax.

Any comments would be appriciated

6095. RE: [ham-antennas] Feedline passthru window solutions

Yahoo group: ham-antennas (2008)
Date: 2008-09-29 01:02:47 UTC
From: Richard Schmuke
Topic: 6089 Message: 6095

Good Ideas , on mine I put a narrow strip between the upper and lower window
, stuck it in place with calk that turns clear and put the clear calk around
the pass through. Home Depot also carries a clear □removable□ calk but it is
only good for about 2 years.

Rich , KDØZZ

Disclaimer: Any errors in spelling or facts are transmission errors.

Subject: RE: [ham-antennas] Feedline passthru window solutions

Norm,

I am using a 4602 but I bought some additional bulkhead connectors and added
another aluminum plate and three more SO-239 connectors and an addition
ground lug. It is in a vertical window. I padded the edges of it with foam
and then packed a piece of foam in the gap between the two windows and it
works just dandy.

Jim, K6JMG
//

> [mailto:ham-antennas@yahoogroups.com
<mailto:ham-antennas%40yahoogroups.com>] On Behalf Of Norm Blitch
> Sent: Sunday, September 28, 2008 8:01 AM
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Subject: [ham-antennas] Feedline passthru window solutions
>
> Is anyone using the window passthru's by MFJ (
> http://tinyurl.com/4srya3) or Pane Relief?
>
> Are there any other makers of these, or any tips for DIY versions??
>
> 73 de Norm KE4GAH

[Non-text portions of this message have been removed]

6096. Re: [ham-antennas] Feedline passthru window solutions

Yahoo group: ham-antennas (2008)
Date: 2008-09-29 01:23:52 UTC
From: Prasad Agrahar
Topic: 6089 Message: 6096

Rich

Please post pictures. I am facing the same problem and want to know options available.

Thank you
Prasad AB3EH

----- Original Message ----
From: Richard Schmuke <rdj@...>
To: ham-antennas@yahoogroups.com
Sent: Sunday, September 28, 2008 11:26:45 AM
Subject: RE: [ham-antennas] Feedline passthru window solutions

I am Mister Cheap when it comes to things like this , I made my own with a strip of plastic and a couple of holes for coax and UHF bulk head fittings. I have the ceramic insulators for the 450 ohm line but they are not needed if an acrylic panel is used , you could get by with brass or SS studs, so they are an overkill with mine but add looks. I used a brass bolt as a stud and fed my ground right out the window to a ground rod, works great . I can post a picture if needed.

Rich , KDØZZ

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From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Norm Blitch
Sent: Sunday, September 28, 2008 10:01 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Feedline passthru window solutions

Is anyone using the window passthru's by MFJ (http://tinyurl.com/4srya3) or Pane Relief?

Are there any other makers of these, or any tips for DIY versions??

73 de Norm KE4GAH

[Non-text portions of this message have been removed]

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 1446 members (as of 9/26/08, and attachments are NOT permitted.
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Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com

Yahoo! Groups Links

[Non-text portions of this message have been removed]

6097. Re: How many radials are needed on the roky-sand soil to inatall multiband vertical?

Yahoo group: ham-antennas (2008)
Date: 2008-09-29 01:24:46 UTC
From: ash_lee52
Topic: 5969 Message: 6097

Tim

Thanks for all your comments.

I think we have both found that horizontal antennas seem to work better overn poor ground. But I've just put my Hustler 6BTV up with 2 radials per band sort of barely contacting the ground, and its working OK.

As to the Sigma 5... I used to have it mounted in a bucket over a flat metal second roof... and it worked pretty well. Now mounted in a bucket over poor soil it doesn't hear much at all... when I elevate it it works better. I modeled it on EZNEC and that also says it should work better elevated.

But there don 't seem to be many truisms when it comes to antennas.

The MA5V clearly says in the instructions to mount it at least 10 feet off the ground. I believe it is constructed as a off center fed vertical dipole, and if it is lower the "radials" could couple to the ground.

Ash

--- In ham-antennas@yahoogroups.com, "xperts88"
<mahalo_2005_kealani@...> wrote:
>
> Hiash, ashton,
> I am sorry to say my reply is too late because of my laptop PC
> went to heaven.
> Well thank you for your advice.
> I know your very much rocky-area has to choose very resitriced
antennas.
> I know. the coral block place of my lot is like your place, too.
>
> > did on the black soil of the midwest. There is just no
reflectivity
> in the dry rocky soil.
> I think, from my portable operation on the rock operation,
> with 16 radials #14 copper wire resonated at the bottom band
> worked well intercontinental QSO and Atlantic path.
>
> > An antenna such as a Hustler 6BTV will "work"... you'll have lots
of
> QSOs... as long as you have 2 radials per band and minimise contact

> I failed 2 radials per band everytime. Radials is expected to
> be more than 8 but on some band like 40m and 15m, as you know
> 40m radials resonate on 15m band so to operate on 80,40,20,10
> 8x4 is 32 radials were needed.
> > with the soil (remember desert soil isn't very conductive so a
little
> > contact doesn't mean much).
> Certainly,
> But you will get way better performance
> > from wires in the air and/or horizontally polarized antennas.
I've
> > modeled very low yagis over dry soil and while yagis always
benefit
> > from height, a low yagi will still strongly outperfrom a vertical
> over dry soil.
> I thinks so. the full size dipole or inertedV is the final way
> at the IOTA operations.
> > For one simple solution look into the Buckmaster antenna. It sets
up as
>
> > Another fairly easy fix is to use a "no radials needed" antenna
such
> as a Cushcraft MA5V (needs to be mounted at least 10 fee off the
> ground), a Sigma 5 or a Par end fed Vertical dipole. None of these
> will work as well over rocky soil as on an island in the pacific.
But
> they will work
>
> I love Sigma antennas for Sigma5 and Sigma40 with homebrew tuner.
> it works very well but the bottom element is lower , the better
> peformance we get.Why does MA5 should mount at least 10 feet high?
> Let me know.
>
> > You asked about using the MFJ259B... not much to it... just stick
it
> on the ground and touch only the plastic knob when checking the
antenna.
> Sure I did ash, but body effect caused VSWR or IMP lowered.
> So other people advised me to make choke coil and keep out
> the radial placed area. so I never measure them in the area of
> radials.
> Tim,
>

6098. Re: [ham-antennas] Re: How many radials are needed on the roky-sand soil to inatall multiband vertical?

Yahoo group: ham-antennas (2008)
Date: 2008-09-29 01:31:19 UTC
From: Steve Friis
Topic: 5969 Message: 6098

xperts88 wrote:
> Steve I am sorry I confirm is
> just 125mm square steel wire (in the square space filled with wired
> like a fence or nothing just a square space put to the ground at the
> feed point?
> I don't see what 15 to 16
>
>
>
Let me start over as I think what we have here is my failure to communicate... LOL

You start with a roll of rebar mesh. It is about 50 feet long per roll, and about 6 feet wide.

You roll out another roll, in parallel to the first roll and solder/braze them together. You now have a 12' X 50 foot square of rebar mesh.

You do this with the third, fourth etc. When you are done you have a large curtain of rebar mesh laying on the ground covering your back yard. You will find that a vertical mounted on the ground with this as your ground will work very well, just short of a field of radials in length equal to a radius of 150 feet. It gains this by "looking" like it is a solid sheet of metal covering the yard. RF sees the wire spacing of 6" as nonexistent holes. Just like the grid of a satellite dish.

--
Steve Friis
Amateur Call WM5Z
APRS WM5Z-1 Las Cruces Igate | APRS WM5Z-2 Home | APRS WM5Z-3 RV | APRS WM5Z-15 Weather

6099. Re: [ham-antennas] Feedline passthru window solutions

Yahoo group: ham-antennas (2008)
Date: 2008-09-29 01:31:36 UTC
From: Prasad Agrahar
Topic: 6089 Message: 6099

OK, I found the picture. Does not work for me, my window is horizontally sliding.

Thanks
Prasad

----- Original Message ----
From: Prasad Agrahar <ad_prasad@...>
To: ham-antennas@yahoogroups.com
Sent: Sunday, September 28, 2008 9:23:52 PM
Subject: Re: [ham-antennas] Feedline passthru window solutions

Rich

Please post pictures. I am facing the same problem and want to know options available.

Thank you
Prasad AB3EH

----- Original Message ----
From: Richard Schmuke <rdj@...>
To: ham-antennas@yahoogroups.com
Sent: Sunday, September 28, 2008 11:26:45 AM
Subject: RE: [ham-antennas] Feedline passthru window solutions

I am Mister Cheap when it comes to things like this , I made my own with a
strip of plastic and a couple of holes for coax and UHF bulk head fittings.
I have the ceramic insulators for the 450 ohm line but they are not needed
if an acrylic panel is used , you could get by with brass or SS studs, so
they are an overkill with mine but add looks. I used a brass bolt as a stud
and fed my ground right out the window to a ground rod, works great . I can
post a picture if needed.

Rich , KDØZZ

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From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On
Behalf Of Norm Blitch
Sent: Sunday, September 28, 2008 10:01 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Feedline passthru window solutions

Is anyone using the window passthru's by MFJ (
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Are there any other makers of these, or any tips for DIY versions??

73 de Norm KE4GAH

[Non-text portions of this message have been removed]

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[Non-text portions of this message have been removed]

6100. RE: [ham-antennas] Feedline passthru window solutions

Yahoo group: ham-antennas (2008)
Date: 2008-09-29 02:44:25 UTC
From: Richard Schmuke
Topic: 6089 Message: 6100

Prasad , it is installed with filler strips and clear calk it would work vertical or horizontal .

Rich , KDØZZ

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Subject: Re: [ham-antennas] Feedline passthru window solutions

OK, I found the picture. Does not work for me, my window is horizontally sliding.

Thanks
Prasad

----- Original Message ----
From: Prasad Agrahar <ad_prasad@... <mailto:ad_prasad%40yahoo.com> >
To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
Sent: Sunday, September 28, 2008 9:23:52 PM
Subject: Re: [ham-antennas] Feedline passthru window solutions

Rich

Please post pictures. I am facing the same problem and want to know options available.

Thank you
Prasad AB3EH

----- Original Message ----
From: Richard Schmuke <rdj@... <mailto:rdj%40wildblue.net> >
To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
Sent: Sunday, September 28, 2008 11:26:45 AM
Subject: RE: [ham-antennas] Feedline passthru window solutions

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Rich , KDØZZ

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From: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
[mailto:ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
] On
Behalf Of Norm Blitch
Sent: Sunday, September 28, 2008 10:01 AM
To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
Subject: [ham-antennas] Feedline passthru window solutions

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Are there any other makers of these, or any tips for DIY versions??

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Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
<mailto:ham-antennas-unsubscribe%40yahoogroups.com>
List owner: ham-antennas-owner@yahoogroups.com
<mailto:ham-antennas-owner%40yahoogroups.com>
Yahoo! Groups Links

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Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
<mailto:ham-antennas-unsubscribe%40yahoogroups.com>
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<mailto:ham-antennas-owner%40yahoogroups.com>
Yahoo! Groups Links

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

6101. RE: [ham-antennas] Feedline passthru window solutions

Yahoo group: ham-antennas (2008)
Date: 2008-09-29 02:48:18 UTC
From: James M.(Jim) Geidl
Topic: 6089 Message: 6101

Prasad,

I used the MFJ 4602 in a horizontal sliding window and it worked just fine.
You could do the same thing with a piece of wood and some bulkhead SO-239
connectors.

Jim, K6JMG
//

> [mailto:ham-antennas@...m] On Behalf Of Prasad Agrahar
> Sent: Sunday, September 28, 2008 6:32 PM
> To: ham-antennas@yahoogroups.com
> Subject: Re: [ham-antennas] Feedline passthru window solutions
>
> OK, I found the picture. Does not work for me, my window is
> horizontally sliding.
>
> Thanks
> Prasad
>
>
>
> ----- Original Message ----
> From: Prasad Agrahar <ad_prasad@...>
> To: ham-antennas@yahoogroups.com
> Sent: Sunday, September 28, 2008 9:23:52 PM
> Subject: Re: [ham-antennas] Feedline passthru window solutions
>
> Rich
>
> Please post pictures. I am facing the same problem and want
> to know options available.
>
> Thank you
> Prasad AB3EH
>
>
>
> ----- Original Message ----
> From: Richard Schmuke <rdj@...>
> To: ham-antennas@yahoogroups.com
> Sent: Sunday, September 28, 2008 11:26:45 AM
> Subject: RE: [ham-antennas] Feedline passthru window solutions
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>
>
> Rich , KDØZZ
>
> Disclaimer: Any errors in spelling or facts are transmission errors.

6102. 20 meter & 2 meter

Yahoo group: ham-antennas (2008)
Date: 2008-09-29 06:49:16 UTC
From: bushpilot169
Topic: 6102 Message: 6102

I was planning on putting up a 20 meter beam and on top of that about 10 feet up place the 2 meter beam, and i was just woundering if i would have any problems with the two beam's with them only being 10 feet apart ?

Thank's
Dave KCØSVO

6103. single turn loop v multi turn loop

Yahoo group: ham-antennas (2008)
Date: 2008-09-29 08:38:34 UTC
From: DAVID
Topic: 6103 Message: 6103

i have been doing a few tests on a single turn mw loop against a 6 turn mw loop and i have found the single turn loop is MUCH quieter than the multi turn loop and is rejecting the european splatter off the back of the loop with ease. the single loop is the same dimensions as the pick up loop in the multi turn loop ie 7 feet long and 5.9 feet high its fed at the corner i want for maximum direction with a 48/11 turn ol balun and in the oppostie corner i have a 1000 ohm terminating resistor i did try a viariable resistor here but couldnt get a dip. i also use the palstar aa30 active antenna / pre selector on the single loop. the results have surprised me as i didnt think there would be much of a difference but there is a big difference. both loops are in my attic and i think the 6 turn loop will be made into a single turn and pointed to africa. you can hear the difference here
http://www.youtube.com/watch?v=Kociy23DBuk
many thanks david ... ayrshire scotland

6104. Re: [ham-antennas] 20 meter & 2 meter

Yahoo group: ham-antennas (2008)
Date: 2008-09-29 11:08:42 UTC
From: Walter A. Breining
Topic: 6102 Message: 6104

No Problem.

N9WB
----- Original Message -----
From: bushpilot169
To: ham-antennas@yahoogroups.com
Sent: Monday, September 29, 2008 02:49
Subject: [ham-antennas] 20 meter & 2 meter

I was planning on putting up a 20 meter beam and on top of that
about 10 feet up place the 2 meter beam, and i was just woundering
if i would have any problems with the two beam's with them only
being 10 feet apart ?

Thank's
Dave KCØSVO

No virus found in this incoming message.
Checked by AVG - http://www.avg.com
Version: 8.0.169 / Virus Database: 270.7.5/1696 - Release Date: 9/28/2008 13:30

[Non-text portions of this message have been removed]

6105. Re: [ham-antennas] Feedline passthru window solutions

Yahoo group: ham-antennas (2008)
Date: 2008-09-29 12:58:23 UTC
From: Stan Labinsky Jr.
Topic: 6089 Message: 6105

Hi all;

I dislike banging an old drum, but here I must.

That window panel, besides being the path your cables follow to get into your shack, is also the path that a lightning strike can... and will follow on its way to the earth.

Now, lightning is fun and impressive to watch... from a distance. The one place you do not want to invite it into is your shack. It must be able to get only as far as the door and no farther. The door here is that entrance panel in your window!

For best effect, the panel should be metallic (can be attached to wood or plastic for support, thermal insulation and attachment to the window frame) and be DIRECTLY connected to your earthing (grounding) system which for best effect on a budget should consist of at least two ground rods set twice their length apart. All the cables that pass through the panel must be electrically connected to it. That includes rotor cables, etc. Rotor cables can by bypassed to the panel with the use of one of the commercially available devices that ICE or PolyPhaser offer. Oh, please do not use old coax cable for your earthing run. That's been proven to be a poorer choice than ordinary copper house wiring. The best choice here is strapping: copper flashing of at least an inch and a half wide, better the three inch stuff. (I don't know if stainless flashing is available, but with the cost of copper, it might be a less expensive alternative. Oddly, the resistance is not as big an issue as is the inductance of the run of your grounding conductor.

The idea is that the bulk of the strike will follow the straightest (really) path to ground, and it best be a an outside one.

Make no mistake about it: even your properly grounded equipment, in a lightning event will actually rise thousands of volts above "ground" potential for an instant and there must be no auxiliary paths the stroke can follow or it will use your radio, etc. as one big fuse. So, even the third wire (the green ones in your power plugs) must also be attached to that panel. You want all of the equipment to jump (in potential) with the stroke, like a prise fighter skipping rope. Or envision all of your equipment as being in a grounded capsule, with only one common entrance and earthing point. Actually, the whole house should be tied to that point: the power line, the phone line and cable, should all be bonded together with a run of copper flashing. You don't want a portion of the stroke to find a better path to earth through you 110 volt wiring and radio equipment.

On another note: lightning arrestors are also part of the mix.
It has been proven that a "near miss" lightning event can put a pulse of energy onto your antenna and into your cables strong enough to damage your receiver's front end. Don't be lulled into a false sense of security by the claims of "DC grounding" in or at the antenna. That only protects the antenna's innards not the stuff attached to it. See the letters "DC"? At the frequency the antenna is designed to operate at, that DC ground is not part of the equation! Read up on metallic insulators (shorted quarter wave stubs) for the "why" of it.
Also, while the practice of disconnecting all the antenna cables during a storm or when

you're away is not a bad idea, the law of averages declares that you WILL be caught off guard once or twice and of course, that's when the stroke will come knocking. People have been struck by lightning from a clear sky... it's been documented, so, a word to the wise...

Again PolyPhaser has literature on the subject.

For some of you this will be particularly difficult, but some is better than nothing if done right. www.PolyPhaser.com can explain it all better than can I, so consider my soapboxing as a sign post pointing toward the way to go and why.

Here's hoping that all the cracks and bangs you hear in the storm are in the distance... the far, far distance!

73, Stan

[Non-text portions of this message have been removed]

6106. Re: [ham-antennas] Using Alpha Delta DX-SWL for PSK31?

Yahoo group: ham-antennas (2008)
Date: 2008-09-29 13:04:20 UTC
From: Traveler
Topic: 6094 Message: 6106

According to Alpha Delta website you can use it for transmit also.
1. Yes it should work for PSK.
2. It will probably work ok with the tuner in the radio, but according to other factors, feed length, where the antenna is located etc. My suggestion is to try it and see.
3. Again it is where the antenna is located in relationship to the house. Yes you will get RF, but will it effect things in the house is unknown. Again try it and see.

Good luck

73
Kurt
K8YZK

--- On Sun, 9/28/08, va1jgn <va1jgn@...> wrote:

From: va1jgn <va1jgn@...>
Subject: [ham-antennas] Using Alpha Delta DX-SWL for PSK31?
To: ham-antennas@yahoogroups.com
Date: Sunday, September 28, 2008, 9:02 PM

I have an Alpha Delta DX-SWL (shortened 40' 1/4 sloper)which I use for SWL. Great antenna for SWL and built to last even in canadian winters. I am purchasing a TS-480SAT for some PSK31 and wondering if I may use this antenna for some low power work. I know that the SWL is not cut for the ham bands so will be getting something up like an DX-EE soon but for now the coax for the SWL is laying on the bench :) so here is my questions

1. Could I use this antenna for some PSK work
2. Would the ATU on the 480SAT be able to tune up 20 or 40 Meters
3. Would I get much RF in the house and rig given the ant setup?

Here is my setup The DX-SWL is attached on the outside corner of the house about 25' up, The downlead is connected to a ground rod but travels very close along the aluminum siding, The antenna feedpoint is only about 10' away from the radio connected with 50' RG58U coax.

Any comments would be appriciated

[Non-text portions of this message have been removed]

6107. Re: Feedline passthru window solutions

Yahoo group: ham-antennas (2008)
Date: 2008-09-29 14:28:52 UTC
From: Norm Blitch
Topic: 6089 Message: 6107

Rich,

Any corrosion problems with dissimilar metals on the brass studs??

73 de Norm KE4GAH

--- In ham-antennas@yahoogroups.com, "Richard Schmuke" <rdj@...> wrote:
>
> I am Mister Cheap when it comes to things like this , I made my own with a strip of plastic and a couple of holes for coax and UHF bulk head fittings.
> I have the ceramic insulators for the 450 ohm line but they are not needed if an acrylic panel is used , you could get by with brass or SS studs, so they are an overkill with mine but add looks. I used a brass bolt as a stud and fed my ground right out the window to a ground rod, works great . I can post a picture if needed.

>
> Rich , KDØZZ

6108. RE: [ham-antennas] Re: Feedline passthru window solutions

Yahoo group: ham-antennas (2008)
Date: 2008-09-29 14:33:08 UTC
From: Kirk Morrison
Topic: 6089 Message: 6108

It shouldn't be to bad unless one, lives near saltwater or similar corrosive location, a simple cleaning once every two years works for me, but it doesn't show on the receiver before or after the junk on the ladder line is worse than the dirt and corrosion on the fittings.

Kirk "He who has honor need not fear death."Eva Marie LeGrand Morrison 5/24/1958-6/26/2008
My beloved wife, and my best friend, I miss you

> To: ham-antennas@yahoogroups.com
> From: normblitch@...
> Date: Mon, 29 Sep 2008 14:28:52 +0000
> Subject: [ham-antennas] Re: Feedline passthru window solutions
>
>
> Rich,
>
> Any corrosion problems with dissimilar metals on the brass studs??
>
> 73 de Norm KE4GAH
>
> --- In ham-antennas@yahoogroups.com, "Richard Schmuke" wrote:
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>> I am Mister Cheap when it comes to things like this , I made my own
> with a strip of plastic and a couple of holes for coax and UHF bulk
> head fittings.
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> studs, so they are an overkill with mine but add looks. I used a brass
> bolt as a stud and fed my ground right out the window to a ground rod,
> works great . I can post a picture if needed.
>
>>
>> Rich , KDØZZ
>
>
>

See how Windows connects the people, information, and fun that are part of your life.
http://clk.atdmt.com/MRT/go/msnnkwxp1020093175mrt/direct/01/

6109. Re: Feedline passthru window solutions

Yahoo group: ham-antennas (2008)
Date: 2008-09-29 14:46:46 UTC
From: Norm Blitch
Topic: 6089 Message: 6109

Stan,

PHEW! winded from an obligatory cut & paste of THIS! MANY Thanks!

To abbreviate, the gizmo should have a common point (metal facing) of connection of ALL pieces to a Earth Ground...

Given that unless in use, ALL connections (including the Shack equipment ground) are disconnected on the IN side of the passthru, I am RELATIVELY safe from striked entering??

Where is the best spot to derive the "3rd-wire" AC ground lead for the gear? I haven't heard this one, but it DOES make sense...

And, I DO appreciate the concerns re NEAR strikes... A few months ago, I had a strike on a neighbor's Pine, about 35' from the nearest point on our QTH. Blew out one of MY twisted-pair lines, AND de-sensed my Davis weather station for about 2 hours.

Again, MANY Thanks!

73 de Norm KE4GAH

--- In ham-antennas@yahoogroups.com, "Stan Labinsky Jr." <stanbarb@...> wrote:
>
> Hi all;
>
> I dislike banging an old drum, but here I must.
>
> That window panel, besides being the path your cables follow to get into your shack, is also the path that a lightning strike can... and will follow on its way to the earth.
>
> Now, lightning is fun and impressive to watch... from a distance. The one place you do not want to invite it into is your shack. It must be able to get only as far as the door and no farther. The door here is that entrance panel in your window!
>
> For best effect, the panel should be metallic (can be attached to wood or plastic for support, thermal insulation and attachment to the window frame) and be DIRECTLY connected to your earthing (grounding) system which for best effect on a budget should consist of at least two ground rods set twice their length apart. All the cables that pass through the panel must be electrically connected to it. That includes rotor cables, etc. Rotor cables can by bypassed to the panel with the use of one of the commercially available devices that

ICE or PolyPhaser offer. Oh, please do not use old coax cable for your earthing run. That's been proven to be a poorer choice than ordinary copper house wiring. The best choice here is strapping: copper flashing of at least an inch and a half wide, better the three inch stuff. (I don't know if stainless flashing is available, but with the cost of copper, it might be a less expensive alternative. Oddly, the resistance is not as big an issue as is the inductance of the run of your grounding conductor.
>
> The idea is that the bulk of the strike will follow the straightest (really) path to ground, and it best be a an outside one.
>
> Make no mistake about it: even your properly grounded equipment, in a lightning event will actually rise thousands of volts above "ground" potential for an instant and there must be no auxiliary paths the stroke can follow or it will use your radio, etc. as one big fuse. So, even the third wire (the green ones in your power plugs) must also be attached to that panel. You want all of the equipment to jump (in potential) with the stroke, like a prise fighter skipping rope. Or envision all of your equipment as being in a grounded capsule, with only one common entrance and earthing point. Actually, the whole house should be tied to that point: the power line, the phone line and cable, should all be bonded together with a run of copper flashing. You don't want a portion of the stroke to find a better path to earth through you 110 volt wiring and radio equipment.
>
> On another note: lightning arrestors are also part of the mix.
> It has been proven that a "near miss" lightning event can put a pulse of energy onto your antenna and into your cables strong enough to damage your receiver's front end. Don't be lulled into a false sense of security by the claims of "DC grounding" in or at the antenna. That only protects the antenna's innards not the stuff attached to it. See the letters "DC"? At the frequency the antenna is designed to operate at, that DC ground is not part of the equation! Read up on metallic insulators (shorted quarter wave stubs) for the "why" of it.
> Also, while the practice of disconnecting all the antenna cables during a storm or when you're away is not a bad idea, the law of averages declares that you WILL be caught off guard once or twice and of course, that's when the stroke will come knocking. People have been struck by lightning from a clear sky... it's been documented, so, a word to the wise...
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> Again PolyPhaser has literature on the subject.
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> For some of you this will be particularly difficult, but some is better than nothing if done right. www.PolyPhaser.com can explain it all better than can I, so consider my soapboxing as a sign post pointing toward the way to go and why.

>
> Here's hoping that all the cracks and bangs you hear in the storm
are in the distance... the far, far distance!
>
> 73, Stan
>
> [Non-text portions of this message have been removed]
>

6110. RE: [ham-antennas] Re: Feedline passthru window solutions

Yahoo group: ham-antennas (2008)
Date: 2008-09-29 15:16:44 UTC
From: Richard Schmuke
Topic: 6089 Message: 6110

I don□t have any problem. Dissimilar metal can be a problem but any local hardware store/ farm supply will have brass or SS nut and bolts and electrical connectors. The connectors are of a similar type , they are standard electrical connectors so they are made not to react with brass/copper/SS. Just don□t use alum of ferrous metal. I buy mine at a local junk store that buys whatever is on the market, it is called the □electronic exchange□ , many towns have a similar place. It might be a good idea to let each other know what town has what. I was at my son□s house the other day and we went to a store in Colorado Springs called OEM , it has 10times the surplus goodies St. Louis has.

Rich , KDØZZ

Disclaimer: Any errors in spelling or facts are transmission errors.

From Behalf Of Norm Blitch
Sent: Monday, September 29, 2008 9:29 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: Feedline passthru window solutions

Rich,

Any corrosion problems with dissimilar metals on the brass studs??

73 de Norm KE4GAH

--- In ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
, "Richard Schmuke" <rdj@...> wrote:
>
> I am Mister Cheap when it comes to things like this , I made my own
with a strip of plastic and a couple of holes for coax and UHF bulk
head fittings.
> I have the ceramic insulators for the 450 ohm line but they are not
needed if an acrylic panel is used , you could get by with brass or SS
studs, so they are an overkill with mine but add looks. I used a brass
bolt as a stud and fed my ground right out the window to a ground rod,
works great . I can post a picture if needed.

>
> Rich , KDØZZ

[Non-text portions of this message have been removed]

6111. Re: [ham-antennas] Re: Feedline passthru window solutions

Yahoo group: ham-antennas (2008)
Date: 2008-09-29 18:12:17 UTC
From: Stan Labinsky Jr.
Topic: 6089 Message: 6111

Norm, hi.

There are several sources of "extension boxes" that can be used to tie the third wire ground to your grounding / earthing system. Again, see the PolyPhaser site. But you could probably fabricate one by attaching an outdoor outlet box with a duplex receptacle mounted in it to the entrance panel, with all the correct fittings to make it electrically safe. Then take all the station power from that outlet box.

I'm going to draw fire for saying / suggesting this as the NEC seems to allow for ONLY one grounding point for an electrical service. However that requirement does NOT take into account the multiple paths taken by the strike. I've seen the results of lightning finding its way to ground through the equipment and the wall outlet. Fortunately for my CBing friend, the house didn't catch fire... but his big Palomar sweep tube amp did. Blew the line switch right off the front panel and left a black silhouette of its presence... POOF, it don't work no more! And, oh yes, the branch wiring was toast too.

I've seen it stated that the service entrance grounding connection should be bridged to the station earthing by way of the flashing strap (run OUTSIDE of the building). But still, connecting the station equipment grounding leads (that which feeds all of the station equipment) to the entrance panel will help assure that there will be minimal strike current passing from the coax shell to the chassis safety ground, thereby minimizing potential circuit damage.

The reason that you do not want any of the strike current flowing over the chassis is not intuitively apparent, so here's why.
Consider the chassis path as the primary winding of a transformer and any unshielded signal... or power, or control wiring within the chassis as the secondary. A current pulse flowing through the chassis will induce voltage sufficient to damage the semiconductor junctions of transistors and ICs seemingly safe within the grounded chassis.

Many years ago I had this taught to me by a D.C. company involved in the Tempest program, which has to do with keeping both our sensitive data within and the enemy locked out of our electronics. They discussed what happens when lightning current flows down the grounding cable which runs from the sharp stick on the roof to the rod in the ground. The steeply rising magnetizing field outside will induce a voltage pulse on the interior power and signal wiring which can and will take out computing systems within. Scary stuff... right?

As far as disconnecting your antenna leads, that would work, however, it's the one time it's forgotten that cooks the goose. Better to install lightning arrestors inline with each cable, the good capacitvely coupled guys, not just the old spark gap types.

Cell and commercial sites continue to work right through the worst of electrical storms because a few precautions are followed. The only difference is that these sites are pre-engineered to be lightning/equipment friendly. In many cases we never thought we'd be turning our homes into radio stations so we play catch up with the engineering, but it is not impossible.

BTW, the lightning arrestor has nothing to do with handling the strike potential on the outside of the co-ax - the "grounded" side. It has all to do with the pulse of energy riding on the inside of the cable... the loud "sound" that blows out the ear drum of your radio.

Also, re: near strikes. The RF energy in the near strike could be thought of as the near field of a transmitting antenna. Your antenna, tuned to the frequency of choice will pick up that portion of the energy that it is tuned to and through resonance effects "amplify" it and send it onto the radio's input. That's what an antenna is supposed to do, right? BTW, phone lines and power lines make pretty fair antennas too.

"But, that pulse is on the center conductor and the shield at the same time, a net zero differential, so why's it going to hurt my radio?" Because of the delay of the signal which occurs due to the propagation delay in the cable! The pulse on the outside of the shield will arrive before the pulse on the center conductor, so there WILL be a differential signal at the input, how big it is and how long it lasts will be determined by the antenna, the cable and the strike.

Again PolyPhaser explains it far better than I can. What I know here, I learned from them and having to do it and make it work for a customer... and it does.

73, Stan

----- Original Message -----
From: Norm Blitch
To: ham-antennas@yahoogroups.com
Sent: Monday, September 29, 2008 10:46 AM
Subject: [ham-antennas] Re: Feedline passthru window solutions

Stan,

PHEW! winded from an obligatory cut & paste of THIS! MANY Thanks!

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Again, MANY Thanks!

73 de Norm KE4GAH

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> Here's hoping that all the cracks and bangs you hear in the storm are in the distance... the far, far distance!
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> 73, Stan
>
> [Non-text portions of this message have been removed]
>

[Non-text portions of this message have been removed]

6112. Re: [ham-antennas] Using Alpha Delta DX-SWL for PSK31?

Yahoo group: ham-antennas (2008)
Date: 2008-09-29 23:07:41 UTC
From: jim burns
Topic: 6094 Message: 6112

Hi !
The DX-SWL series will perform well as a ham band antenna with a wide range outboard tuner. Many hams use them. Your "built-in" tuner will probably tune some bands, not sure. Put a 1:1 balun at the feedpoint or wind about 8 turns of coax into a 8" coil at the feedpoint to make a current choke. Try your tuner, if it doesn't tune use an LDG or MFJ outboard tuner and the results should be good.
Good DX !
Jim, WB4ILP
Alpha Delta

----- Original Message -----
From: va1jgn
To: ham-antennas@yahoogroups.com
Sent: Sunday, September 28, 2008 9:02 PM
Subject: [ham-antennas] Using Alpha Delta DX-SWL for PSK31?

I have an Alpha Delta DX-SWL (shortened 40' 1/4 sloper)which I use for SWL. Great antenna for SWL and built to last even in canadian winters. I am purchasing a TS-480SAT for some PSK31 and wondering if I may use this antenna for some low power work. I know that the SWL is not cut for the ham bands so will be getting something up like an DX-EE soon but for now the coax for the SWL is laying on the bench :) so here is my questions

1. Could I use this antenna for some PSK work
2. Would the ATU on the 480SAT be able to tune up 20 or 40 Meters
3. Would I get much RF in the house and rig given the ant setup?

Here is my setup The DX-SWL is attached on the outside corner of the house about 25' up, The downlead is connected to a ground rod but travels very close along the aluminum siding, The antenna feedpoint is only about 10' away from the radio connected with 50' RG58U coax.

Any comments would be appriciated

[Non-text portions of this message have been removed]

6113. Re: [ham-antennas] Using Alpha Delta DX-SWL for PSK31?

Yahoo group: ham-antennas (2008)
Date: 2008-09-29 23:20:00 UTC
From: Dan Schaaf
Topic: 6094 Message: 6113

Jim

I have a question on the DX-LB.

Based on the premise that a 40 m dipole can be operated on 15 m due to the frequency being 3 x 7 MHz, will the LB work on 60 m since 60 m is 5 x the frequency on 160 meters. (1.8 MHz x 3 = 5.4 MHz)

If the answer is yes, then do the traps (loading coils) interfere or prevent the antenna from working on 60 meters?

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com "In the Beginning, there was Spark Gap"
==========
NOBSKA
www.nobska.net
==========
Cape Cod Instruments
www.oceanbiz.net
==========
----- Original Message -----
From: jim burns
To: ham-antennas@yahoogroups.com
Sent: Monday, September 29, 2008 7:07 PM
Subject: Re: [ham-antennas] Using Alpha Delta DX-SWL for PSK31?

Hi !
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Good DX !
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Alpha Delta

----- Original Message -----
From: va1jgn
To: ham-antennas@yahoogroups.com
Sent: Sunday, September 28, 2008 9:02 PM
Subject: [ham-antennas] Using Alpha Delta DX-SWL for PSK31?

I have an Alpha Delta DX-SWL (shortened 40' 1/4 sloper)which I use for SWL. Great antenna for SWL and built to last even in canadian winters. I am purchasing a TS-480SAT for some PSK31 and wondering if I may use this antenna for some low power work. I know that the SWL is not cut

for the ham bands so will be getting something up like an DX-EE soon but for now the coax for the SWL is laying on the bench :) so here is my questions

1. Could I use this antenna for some PSK work
2. Would the ATU on the 480SAT be able to tune up 20 or 40 Meters
3. Would I get much RF in the house and rig given the ant setup?

Here is my setup The DX-SWL is attached on the outside corner of the house about 25' up, The downlead is connected to a ground rod but travels very close along the aluminum siding, The antenna feedpoint is only about 10' away from the radio connected with 50' RG58U coax.

Any comments would be appriciated

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[Non-text portions of this message have been removed]

6114. Re: Using Alpha Delta DX-SWL for PSK31?

Yahoo group: ham-antennas (2008)
Date: 2008-09-29 23:25:30 UTC
From: va1jgn
Topic: 6094 Message: 6114

Thanks for your comments Kurt

I realize the setup is a lousy transmitting antenna for the ham bands. I will eventualy get something up that is designed for hams since I am becoming interested to join in the hobby rather then just receiving.

I am currently doing a lot of research on antenna principles which I find very interesting but still have a lot more reading. I beleave I understand what the RF pattern coming out of the sloper would look like and if I am correct because my desk in directly behind the feedpoint I would be in a null at that position.

The one qusetion I do not fully understand is the grounded down lead from the antenna. Would this down lead radiate RF also? Since this lead can be easily touched from the ground would it produce an RF burn. Although this down lead is not a bare wire it is resting against the wooden eve of the house, should there be an insulator between the two?

Sorry for the questions but just do not want to catch the house on fire or burn someones hand off :(Any info would be greatly appriciated.

--- In ham-antennas@yahoogroups.com, Traveler <sgttutt2001@...> wrote:
>
> According to Alpha Delta website you can use it for transmit also.
> 1. Yes it should work for PSK.
> 2. It will probably work ok with the tuner in the radio, but according to other factors, feed length, where the antenna is located etc. My suggestion is to try it and see.
> 3. Again it is where the antenna is located in relationship to the house. Yes you will get RF, but will it effect things in the house is unknown. Again try it and see.
>
> Good luck
>
> 73
> Kurt
> K8YZK
>
> --- On Sun, 9/28/08, va1jgn <va1jgn@...> wrote:
>
> From: va1jgn <va1jgn@...>
> Subject: [ham-antennas] Using Alpha Delta DX-SWL for PSK31?
> To: ham-antennas@yahoogroups.com

> Date: Sunday, September 28, 2008, 9:02 PM
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> travels very close along the aluminum siding, The antenna feedpoint
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> only about 10' away from the radio connected with 50' RG58U coax.
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> Any comments would be appriciated
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> [Non-text portions of this message have been removed]
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6115. Re: [ham-antennas] Using Alpha Delta DX-SWL for PSK31?

Yahoo group: ham-antennas (2008)
Date: 2008-09-30 00:17:42 UTC
From: jim burns
Topic: 6094 Message: 6115

Dan,
We haven't tested it and I haven't heard from a customer who has used it on 60M but I'm sure it will work and probably very well. That would be a lot of wire radiating on 60M so there should be some gain. We do get 15M operation on our antennas from the 40M dipole section. I'll copy this to our resident expert, Don, W8AD, for his comments. Good question !
Jim, WB4ILP

----- Original Message -----
From: Dan Schaaf
To: ham-antennas@yahoogroups.com
Sent: Monday, September 29, 2008 7:20 PM
Subject: Re: [ham-antennas] Using Alpha Delta DX-SWL for PSK31?

Jim

I have a question on the DX-LB.

Based on the premise that a 40 m dipole can be operated on 15 m due to the frequency being 3 x 7 MHz, will the LB work on 60 m since 60 m is 5 x the frequency on 160 meters. (1.8 MHz x 3 = 5.4 MHz)

If the answer is yes, then do the traps (loading coils) interfere or prevent the antenna from working on 60 meters?

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com "In the Beginning, there was Spark Gap"
==========
NOBSKA
www.nobska.net
==========
Cape Cod Instruments
www.oceanbiz.net
==========
----- Original Message -----
From: jim burns
To: ham-antennas@yahoogroups.com
Sent: Monday, September 29, 2008 7:07 PM
Subject: Re: [ham-antennas] Using Alpha Delta DX-SWL for PSK31?

Hi !
The DX-SWL series will perform well as a ham band antenna with a wide range outboard tuner. Many hams use them. Your "built-in" tuner will probably tune some bands, not sure. Put a 1:1 balun at the feedpoint or wind about 8 turns of coax into a 8" coil at the feedpoint to make a current choke. Try your tuner, if it doesn't tune use an LDG or MFJ outboard tuner and the results should be good.

Good DX !
Jim, WB4ILP
Alpha Delta

----- Original Message -----
From: va1jgn
To: ham-antennas@yahoogroups.com
Sent: Sunday, September 28, 2008 9:02 PM
Subject: [ham-antennas] Using Alpha Delta DX-SWL for PSK31?

I have an Alpha Delta DX-SWL (shortened 40' 1/4 sloper)which I use for SWL. Great antenna for SWL and built to last even in canadian winters. I am purchasing a TS-480SAT for some PSK31 and wondering if I may use this antenna for some low power work. I know that the SWL is not cut for the ham bands so will be getting something up like an DX-EE soon but for now the coax for the SWL is laying on the bench :) so here is my questions

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Any comments would be appriciated

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6116. Re: [ham-antennas] Using Alpha Delta DX-SWL for PSK31?

Yahoo group: ham-antennas (2008)
Date: 2008-09-30 00:26:18 UTC
From: Dan Schaaf
Topic: 6094 Message: 6116

Thanks Jim,

I suspect that the theory is OK for a trapless antenna, but I do not know if the LB coils have an effect on thetheory.

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com "In the Beginning, there was Spark Gap"

----- Original Message -----
From: jim burns
To: ham-antennas@yahoogroups.com
Cc: Don Tyrrell
Sent: Monday, September 29, 2008 8:17 PM
Subject: Re: [ham-antennas] Using Alpha Delta DX-SWL for PSK31?

Dan,
We haven't tested it and I haven't heard from a customer who has used it on 60M but I'm sure it will work and probably very well. That would be a lot of wire radiating on 60M so there should be some gain. We do get 15M operation on our antennas from the 40M dipole section. I'll copy this to our resident expert, Don, W8AD, for his comments. Good question !
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Sent: Monday, September 29, 2008 7:20 PM
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Good DX !
Jim, WB4ILP
Alpha Delta

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From: va1jgn
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Sent: Sunday, September 28, 2008 9:02 PM
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6117. Stans Stacked J-Pole

Yahoo group: ham-antennas (2008)
Date: 2008-09-30 02:18:41 UTC
From: Richard Schmuke
Topic: 6117 Message: 6117

Stan I like your J-Pole better than my wire one , I am going to put one together. I do have a question about your print. Ref the 13☐ and 2☐ parts for the phasing section. Are you saying the 2☐ center line is 13☐ from the vertical centerline or to trim the two sections to 13☐. If this was wire like mine no problem with trial and error but cutting and soldering copper pipe I would like to do it once if possible.

Rich , KDØZZ

These are the humble ramblings of an old phart and in no way should they influence the actions of any intelligent and sane person

[Non-text portions of this message have been removed]

6118. Re: Using Alpha Delta DX-SWL for PSK31?

Yahoo group: ham-antennas (2008)
Date: 2008-09-30 02:28:53 UTC
From: va1jgn
Topic: 6094 Message: 6118

Ok thanks Jim for your comments. I do have a choke at the feedpoint so hopefully that will help with any RF on the coax.

Just to get your opinion on the question I directed to Kurt earlier the antenna`s down lead runs very close (1 foot) along the aluminum siding on the house. The top of the down lead is resting on the wooden eve of the house. The bottom of the down lead is attached at the ground to a ground rod.

Would this down lead radiate RF also? Since this lead can be easily touched from the ground would it produce an RF burn. Although this down lead is not a bare wire it is resting against the wooden eve of the house, should there be an insulator between the two?

Sorry to ask these questions but with the down lead so close to the house and siding I am just wondering the dangers if it radiates RF and if I need to use any isolation up on the eve. Any comments would be great.

--- In ham-antennas@yahoogroups.com, "jim burns" <jfburns@...> wrote:
>
> Hi !
> The DX-SWL series will perform well as a ham band antenna with a wide range outboard tuner. Many hams use them. Your "built-in" tuner will probably tune some bands, not sure. Put a 1:1 balun at the feedpoint or wind about 8 turns of coax into a 8" coil at the feedpoint to make a current choke. Try your tuner, if it doesn't tune use an LDG or MFJ outboard tuner and the results should be good.
> Good DX !
> Jim, WB4ILP
> Alpha Delta
>
> ----- Original Message -----
> From: va1jgn
> To: ham-antennas@yahoogroups.com
> Sent: Sunday, September 28, 2008 9:02 PM
> Subject: [ham-antennas] Using Alpha Delta DX-SWL for PSK31?
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> Any comments would be appriciated
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> [Non-text portions of this message have been removed]
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6119. Re: [ham-antennas] Re: Feedline passthru window solutions

Yahoo group: ham-antennas (2008)
Date: 2008-09-30 03:08:13 UTC
From: Dean
Topic: 6089 Message: 6119

I think the NEC would go along with a Bonding
Cable (#6 or heaver) between your Shack Ground
and the Power Entrance Box.
As long as all things are Bonded together you should
have No Difference in Potential between the grounds.
Also, Remember that your CATV and you Phone
should also be bonded to the same ground.
Clamps under ground will corrode and should be
welded or brazed ...
Tie your tower base grounds Also into your new
system ground.
I worked in cellular and even with many hits on the
towers the equipment kept working with Good Grounds.

73 Dean W5GXL@...

On Sep 29, 2008, at 1:12 PM, Stan Labinsky Jr. wrote:
>
> I'm going to draw fire for saying / suggesting this as the NEC seems
> to allow for ONLY one grounding point for an electrical service.
> However that requirement does NOT take into account the multiple
> paths taken by the strike. I've seen the results of lightning
> finding its way to ground through the equipment and the wall outlet.
>

>

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6120. Re: [ham-antennas] Re: Feedline passthru window solutions

Yahoo group: ham-antennas (2008)
Date: 2008-09-30 04:32:37 UTC
From: Stan Labinsky Jr.
Topic: 6089 Message: 6120

Dean... AMEN!

Stan

----- Original Message -----
From: Dean
To: ham-antennas@yahoogroups.com
Sent: Monday, September 29, 2008 11:08 PM
Subject: Re: [ham-antennas] Re: Feedline passthru window solutions

I think the NEC would go along with a Bonding
Cable (#6 or heaver) between your Shack Ground
and the Power Entrance Box.
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Also, Remember that your CATV and you Phone
should also be bonded to the same ground.
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[Non-text portions of this message have been removed]

6121. Re: [ham-antennas] Stans Stacked J-Pole

Yahoo group: ham-antennas (2008)
Date: 2008-09-30 05:24:33 UTC
From: Stan Labinsky Jr.
Topic: 6117 Message: 6121

OK, Rich, the dimensions are the cut-to-length values.
If you're concerned with possible problems, and you have the space, like on your deck (you do have a deck, don't you?) you can just slip fit all the pieces together with the antenna laying on its side (but not too close to mother earth) and fire it up with an MFJ analyzer, or even with an H.T. on low power and an SWR bridge.
To check that the pattern is good, you can also lay it flat and walk around it with a field strength meter. Laying it flat appears to cancel the effect of ground reflections when you're checking that the antenna's main lobe is broadside to the co-linear elements (what will be its vertical radiation pattern once it's stood upright).
If you've got any other questions and I'll try to answer them.

73, Stan

----- Original Message -----
From: Richard Schmuke
To: stanbarb@... ; ham-antennas@yahoogroups.com
Sent: Monday, September 29, 2008 10:18 PM
Subject: [ham-antennas] Stans Stacked J-Pole

Stan I like your J-Pole better than my wire one , I am going to put one together. I do have a question about your print. Ref the 13" and 2" parts for the phasing section. Are you saying the 2" center line is 13" from the vertical centerline or to trim the two sections to 13". If this was wire like mine no problem with trial and error but cutting and soldering copper pipe I would like to do it once if possible.

Rich , KDØZZ

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6122. Re: Using Alpha Delta DX-SWL for PSK31?

Yahoo group: ham-antennas (2008)
Date: 2008-09-30 15:12:28 UTC
From: Don Tyrrell
Topic: 6094 Message: 6122

Hi all,

Interesting comments about the DX-SWL and DX-LB antennas. On the DX-SWL, the down lead circuit, whether it's the ground return through a metal tower or pole, or the down lead wire itself, is part of the antenna circuit. This is true for any quarter wave sloper design. the "antenna wire" portion is "half" the antenna and the return circuit is the other
"half" of the antenna, although it is untuned.

A half wave dipole is two quarter wave sections put together at the feed point. In the same way, a quarter wave ground mounted vertical is "half" of an antenna and the radial/ground system is the other "half". You can look at a quarter wave sloper (which the DX-SWL is) as an upside down vertical where the feed point is up in the air instead of on the ground.

For transmitting, it works best when installed on a tower with an HF size beam on top to be a "capacity hat". The beam is like the radials that were on the ground for a quarter wave vertical, but since the vertical is now turned upside down, the the beam acts like the radials that were on the ground. Just envision the quarter wave sloper as a complete quarter wave ground mounted vertical but it, and its radials, are turned completely upside down.

On a ground mounted vertical, the current lobe at the feed point, which determines its radiation characteristics and efficiency, can be greatly attenuated by surrounding objects like trees, bushes, houses, etc. On the other hand, the quarter wave sloper has its feed point up in the air so it "takes off" with little or no attenuation, assuming it is installed
correctly.

If a quarter wave sloper is installed without a beam on top, it can still work fairly well with
a wide range antenna tuner and several radials (30 ft. or longer) laid out on the ground and connected to the point where the "down lead" circuit comes down to the ground. However, it works best when installed with an HF beam on top, as explained above.

So, there is RF on the down lead and it should be kept away from laying along the house side. A small separation should be OK if running just 100 watts or so. The physics of "Mother Nature" likes complete half wave circuits when it comes to antennas, however they might be made up and/or configured. Remember, you can't fool "Mother Nature" !!!

Now here's a shorter answer on the question about the DX-LB on 60 meters. We simply haven't tested it there (no inquiries) so I don't know what the effects of the coils may or may not be.

Hope my ramblings weren't too long but wanted to make some explanations as much as possible.

Good luck and have fun. Experimentations are part of the fun of the hobby.

Don, W8AD, Alpha Delta Communications, Inc.

--- In ham-antennas@yahoogroups.com, "va1jgn" <va1jgn@...> wrote:
>
> Ok thanks Jim for your comments. I do have a choke at the feedpoint
> so hopefully that will help with any RF on the coax.
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> the feedpoint or wind about 8 turns of coax into a 8" coil at the
> feedpoint to make a current choke. Try your tuner, if it doesn't
> tune use an LDG or MFJ outboard tuner and the results should be good.
> > Good DX !
> > Jim, WB4ILP
> > Alpha Delta
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> > ----- Original Message -----
> > From: va1jgn
> > To: ham-antennas@yahoogroups.com
> > Sent: Sunday, September 28, 2008 9:02 PM
> > Subject: [ham-antennas] Using Alpha Delta DX-SWL for PSK31?
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> > [Non-text portions of this message have been removed]
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6123. Re: [ham-antennas] Re: Using Alpha Delta DX-SWL for PSK31?

Yahoo group: ham-antennas (2008)
Date: 2008-09-30 15:32:22 UTC
From: Dan Schaaf
Topic: 6094 Message: 6123

Hi Don

<<Now here's a shorter answer on the question about the DX-LB on 60 meters. We simply haven't tested it there (no inquiries) so I don't know what the effects of the coils may or may not be.>>

So, maybe if Alpha Delta ran some tests on 60 meters, they may be able to increase market share if they can demonstrate that it works on 60 m. Even a simple test that shows it can be loaded easily. Obviously, gain and performance are a function of height, flat top vs. invertedV, soil conditions, etc. I am not looking for these specs. Just some factory tests on whether it can be loaded easily, or if it will need a wide range tuner for 60 m.

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com "In the Beginning, there was Spark Gap"

----- Original Message -----
From: Don Tyrrell
To: ham-antennas@yahoogroups.com
Sent: Tuesday, September 30, 2008 11:12 AM
Subject: [ham-antennas] Re: Using Alpha Delta DX-SWL for PSK31?

Hi all,

Interesting comments about the DX-SWL and DX-LB antennas. On the DX-SWL, the down lead circuit, whether it's the ground return through a metal tower or pole, or the down lead wire itself, is part of the antenna circuit. This is true for any quarter wave sloper design. the "antenna wire" portion is "half" the antenna and the return circuit is the other
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correctly.

If a quarter wave sloper is installed without a beam on top, it can still work fairly well with
a wide range antenna tuner and several radials (30 ft. or longer) laid out on the ground and connected to the point where the "down lead" circuit comes down to the ground. However, it works best when installed with an HF beam on top, as explained above.

So, there is RF on the down lead and it should be kept away from laying along the house side. A small separation should be OK if running just 100 watts or so. The physics of "Mother Nature" likes complete half wave circuits when it comes to antennas, however they might be made up and/or configured. Remember, you can't fool "Mother Nature" !!!

Now here's a shorter answer on the question about the DX-LB on 60 meters. We simply haven't tested it there (no inquiries) so I don't know what the effects of the coils may or may not be.

Hope my ramblings weren't too long but wanted to make some explanations as much as possible.

Good luck and have fun. Experimentations are part of the fun of the hobby.

Don, W8AD, Alpha Delta Communications, Inc.

--- In ham-antennas@yahoogroups.com, "va1jgn" <va1jgn@...> wrote:
>
> Ok thanks Jim for your comments. I do have a choke at the feedpoint
> so hopefully that will help with any RF on the coax.
>
> Just to get your opinion on the question I directed to Kurt earlier
> the antenna`s down lead runs very close (1 foot) along the aluminum
> siding on the house. The top of the down lead is resting on the
> wooden eve of the house. The bottom of the down lead is attached at
> the ground to a ground rod.
>
> Would this down lead radiate RF also? Since this lead can be easily
> touched from the ground would it produce an RF burn. Although this
> down lead is not a bare wire it is resting against the wooden eve of
> the house, should there be an insulator between the two?
>
> Sorry to ask these questions but with the down lead so close to the
> house and siding I am just wondering the dangers if it radiates RF
> and if I need to use any isolation up on the eve. Any comments would
> be great.
>
> --- In ham-antennas@yahoogroups.com, "jim burns" <jfburns@> wrote:
> >
> > Hi !
> > The DX-SWL series will perform well as a ham band antenna with a
> wide range outboard tuner. Many hams use them. Your "built-in"
> tuner will probably tune some bands, not sure. Put a 1:1 balun at
> the feedpoint or wind about 8 turns of coax into a 8" coil at the

> feedpoint to make a current choke. Try your tuner, if it doesn't
> tune use an LDG or MFJ outboard tuner and the results should be good.
> > Good DX !
> > Jim, WB4ILP
> > Alpha Delta
> >
> > ----- Original Message -----
> > From: va1jgn
> > To: ham-antennas@yahoogroups.com
> > Sent: Sunday, September 28, 2008 9:02 PM
> > Subject: [ham-antennas] Using Alpha Delta DX-SWL for PSK31?
> >
> >
> > I have an Alpha Delta DX-SWL (shortened 40' 1/4 sloper)which I
> use for
> > SWL. Great antenna for SWL and built to last even in canadian
> winters.
> > I am purchasing a TS-480SAT for some PSK31 and wondering if I may
> use
> > this antenna for some low power work. I know that the SWL is not
> cut
> > for the ham bands so will be getting something up like an DX-EE
> soon
> > but for now the coax for the SWL is laying on the bench :) so
> here is
> > my questions
> >
> > 1. Could I use this antenna for some PSK work
> > 2. Would the ATU on the 480SAT be able to tune up 20 or 40 Meters
> > 3. Would I get much RF in the house and rig given the ant setup?
> >
> > Here is my setup The DX-SWL is attached on the outside corner of
> the
> > house about 25' up, The downlead is connected to a ground rod but
> > travels very close along the aluminum siding, The antenna
> feedpoint is
> > only about 10' away from the radio connected with 50' RG58U coax.
> >
> > Any comments would be appriciated
> >
> >
> >
> >
> >
> >
> > [Non-text portions of this message have been removed]
> >
>

[Non-text portions of this message have been removed]

6124. Re: both antennas

Yahoo group: ham-antennas (2008)
Date: 2008-09-30 15:49:29 UTC
From: xperts88
Topic: 5969 Message: 6124

Hello Ash I'm sorry my PC has been crashed.
Thanks for your helpful information
At your place your BTV work great laid radials on the good couductive soil.I guess.
As to Sigma 5, I don't know what EZNEC means but Sigma or vertical dipole or arrays are developped for DXpeditions , portable operations especially closer to sea side within 1/4 wl.It works great even QRP to unexpected super DX. It does desinged by Force13 from my info.
So the Sigma normally install near the sea and designed up a few feet.
Thans again 73 Tim.

6125. Re: Using Alpha Delta DX-SWL for PSK31?

Yahoo group: ham-antennas (2008)
Date: 2008-09-30 23:27:43 UTC
From: va1jgn
Topic: 6094 Message: 6125

Thanks Don and all who commented on my subject.

Comments are never to long to someone in the learning stage!!

Being informed that the down lead does radiate RF I will get up there and install an insulator where the down lead is touching agaist the wooden eve.

The Down lead does not make any contact with the side of the house but it does run only about 1 foot away so I may give PSK a try on very low power.

I do not have any capacity hat at the top but can easly run a few radials below so thanks for that info. I will be looking at the DX-EE or DX-CC when time permits.

Again Thanks Guys

--- In ham-antennas@yahoogroups.com, "Don Tyrrell" <tyrrell@...> wrote:
>
> Hi all,
>
> Interesting comments about the DX-SWL and DX-LB antennas. On the DX-SWL, the down
> lead circuit, whether it's the ground return through a metal tower or pole, or the down
> lead wire itself, is part of the antenna circuit. This is true for any quarter wave sloper
> design. the "antenna wire" portion is "half" the antenna and the return circuit is the other
> "half" of the antenna, although it is untuned.
>
> A half wave dipole is two quarter wave sections put together at the feed point. In the same
> way, a quarter wave ground mounted vertical is "half" of an antenna and the radial/ground
> system is the other "half". You can look at a quarter wave sloper (which the DX-SWL is) as
> an upside down vertical where the feed point is up in the air instead of on the ground.
>
> For transmitting, it works best when installed on a tower with an HF size beam on top to
> be a "capacity hat". The beam is like the radials that were on the ground for a quarter

> wave vertical, but since the vertical is now turned upside down, the the beam acts like the
> radials that were on the ground. Just envision the quarter wave sloper as a complete
> quarter wave ground mounted vertical but it, and its radials, are turned completely upside
> down.
>
> On a ground mounted vertical, the current lobe at the feed point, which determines its
> radiation characteristics and efficiency, can be greatly attenuated by surrounding objects
> like trees, bushes, houses, etc. On the other hand, the quarter wave sloper has its feed
> point up in the air so it "takes off" with little or no attenuation, assuming it is installed
> correctly.
>
> If a quarter wave sloper is installed without a beam on top, it can still work fairly well with
> a wide range antenna tuner and several radials (30 ft. or longer) laid out on the ground
> and connected to the point where the "down lead" circuit comes down to the ground.
> However, it works best when installed with an HF beam on top, as explained above.
>
> So, there is RF on the down lead and it should be kept away from laying along the house
> side. A small separation should be OK if running just 100 watts or so. The physics of
> "Mother Nature" likes complete half wave circuits when it comes to antennas, however they
> might be made up and/or configured. Remember, you can't fool "Mother Nature" !!!
>
> Now here's a shorter answer on the question about the DX-LB on 60 meters. We simply
> haven't tested it there (no inquiries) so I don't know what the effects of the coils may or
> may not be.
>
> Hope my ramblings weren't too long but wanted to make some explanations as much as
> possible.
>
> Good luck and have fun. Experimentations are part of the fun of the hobby.
>
> Don, W8AD, Alpha Delta Communications, Inc.

>
>
> --- In ham-antennas@yahoogroups.com, "va1jgn" <va1jgn@> wrote:
> >
> > Ok thanks Jim for your comments. I do have a choke at the
feedpoint
> > so hopefully that will help with any RF on the coax.
> >
> > Just to get your opinion on the question I directed to Kurt
earlier
> > the antenna`s down lead runs very close (1 foot) along the
aluminum
> > siding on the house. The top of the down lead is resting on the
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> > Would this down lead radiate RF also? Since this lead can be
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> >
> > Sorry to ask these questions but with the down lead so close to
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> > >
> > > Hi !
> > > The DX-SWL series will perform well as a ham band antenna with
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> > wide range outboard tuner. Many hams use them. Your "built-
in"
> > tuner will probably tune some bands, not sure. Put a 1:1 balun
at
> > the feedpoint or wind about 8 turns of coax into a 8" coil at the
> > feedpoint to make a current choke. Try your tuner, if it
doesn't
> > tune use an LDG or MFJ outboard tuner and the results should be
good.
> > > Good DX !
> > > Jim, WB4ILP
> > > Alpha Delta

> > >
> > > ----- Original Message -----
> > > From: va1jgn
> > > To: ham-antennas@yahoogroups.com
> > > Sent: Sunday, September 28, 2008 9:02 PM
> > > Subject: [ham-antennas] Using Alpha Delta DX-SWL for PSK31?
> > >
> > >
> > > I have an Alpha Delta DX-SWL (shortened 40' 1/4 sloper)which
I
> > use for
> > > SWL. Great antenna for SWL and built to last even in canadian
> > winters.
> > > I am purchasing a TS-480SAT for some PSK31 and wondering if I
may
> > use
> > > this antenna for some low power work. I know that the SWL is
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> > > for the ham bands so will be getting something up like an DX-
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> > > 2. Would the ATU on the 480SAT be able to tune up 20 or 40
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> > >
> > > Here is my setup The DX-SWL is attached on the outside corner
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but
> > > travels very close along the aluminum siding, The antenna
> > feedpoint is
> > > only about 10' away from the radio connected with 50' RG58U
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> > >
> > > Any comments would be appriciated
> > >
> > >
> > >
> > >
> > >
> > >
> > > [Non-text portions of this message have been removed]

> > >
> >
>

6126. Re: Feedline passthru window solutions

Yahoo group: ham-antennas (2008)
Date: 2008-10-01 05:15:25 UTC
From: Vee W7IBB
Topic: 6089 Message: 6126

I've enjoyed reading these posts. It got off the inital topic and ended up hitting grounding pretty hard, which is important for us all to understand.

I have a question: I am in a nearly new house. The AC ground was tied to an iron rod buried in the foundation of the house. I assume that there is rot iron running through the foundation and that it is all connected. With all the plumbing being plastic, there is no easy way to tie grounds together. My shack in in the basement about fifty feet away from the place the ground is connected to the rot iron in the foundation. How do I best tie this ground to a ground rod I plan to drive in a window well just outside my shack window? I really don't want to run the ground wire through the house. The ceilings are finished and it will be a real job to do this. Also, I may be creating a fire hazard from a lightning strike. The place where the power enters the home from a buried cable to the meter base is a long ways from this ground. The ground wire goes from the meter base up to the attic and back down to the basement and connects to the iron rod in the foundation. I'm sure this must be in the current NEC code, but I've never seen this type of grounding before.

Any suggestions??
Thanks,

Vee W7IBB Utah

--- In ham-antennas@yahoogroups.com, "Stan Labinsky Jr." <stanbarb@...> wrote:
>
> Dean... AMEN!
>
> Stan
>
> ----- Original Message -----
> From: Dean
> To: ham-antennas@yahoogroups.com
> Sent: Monday, September 29, 2008 11:08 PM
> Subject: Re: [ham-antennas] Re: Feedline passthru window solutions
>
>
> I think the NEC would go along with a Bonding
> Cable (#6 or heaver) between your Shack Ground
> and the Power Entrance Box.
> As long as all things are Bonded together you should
> have No Difference in Potential between the grounds.
> Also, Remember that your CATV and you Phone

> should also be bonded to the same ground.
> Clamps under ground will corrode and should be
> welded or brazed ...
> Tie your tower base grounds Also into your new
> system ground.
> I worked in cellular and even with many hits on the
> towers the equipment kept working with Good Grounds.
>
> 73 Dean W5GXL@...
>
> On Sep 29, 2008, at 1:12 PM, Stan Labinsky Jr. wrote:
> >
> > I'm going to draw fire for saying / suggesting this as the NEC
seems
> > to allow for ONLY one grounding point for an electrical service.
> > However that requirement does NOT take into account the multiple
> > paths taken by the strike. I've seen the results of lightning
> > finding its way to ground through the equipment and the wall
outlet.
> >
>
> >
>
> [Non-text portions of this message have been removed]
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

6127. Re: Feedline passthru window solutions

Yahoo group: ham-antennas (2008)
Date: 2008-10-01 14:13:29 UTC
From: billncolo36
Topic: 6089 Message: 6127

Stan, What is recommended for the 8 wires that go to the rotator.
I've never seen/heard anything on this.
Bill
N0CU

--- In ham-antennas@yahoogroups.com, "Stan Labinsky Jr."
<stanbarb@...> wrote:
>
> Hi all;
>
> I dislike banging an old drum, but here I must.
>
> That window panel, besides being the path your cables follow to get
into your shack, is also the path that a lightning strike can... and
will follow on its way to the earth.
>
> Now, lightning is fun and impressive to watch... from a distance.
The one place you do not want to invite it into is your shack. It
must be able to get only as far as the door and no farther. The door
here is that entrance panel in your window!
>
> For best effect, the panel should be metallic (can be attached to
wood or plastic for support, thermal insulation and attachment to the
window frame) and be DIRECTLY connected to your earthing (grounding)
system which for best effect on a budget should consist of at least
two ground rods set twice their length apart. All the cables that
pass through the panel must be electrically connected to it. That
includes rotor cables, etc. Rotor cables can by bypassed to the
panel with the use of one of the commercially available devices that
ICE or PolyPhaser offer. Oh, please do not use old coax cable for
your earthing run. That's been proven to be a poorer choice than
ordinary copper house wiring. The best choice here is strapping:
copper flashing of at least an inch and a half wide, better the three
inch stuff. (I don't know if stainless flashing is available, but
with the cost of copper, it might be a less expensive alternative.
Oddly, the resistance is not as big an issue as is the inductance of
the run of your grounding conductor.
>
> The idea is that the bulk of the strike will follow the straightest
(really) path to ground, and it best be a an outside one.
>
> Make no mistake about it: even your properly grounded equipment, in
a lightning event will actually rise thousands of volts
above "ground" potential for an instant and there must be no
auxiliary paths the stroke can follow or it will use your radio, etc.

as one big fuse. So, even the third wire (the green ones in your power plugs) must also be attached to that panel. You want all of the equipment to jump (in potential) with the stroke, like a prise fighter skipping rope. Or envision all of your equipment as being in a grounded capsule, with only one common entrance and earthing point. Actually, the whole house should be tied to that point: the power line, the phone line and cable, should all be bonded together with a run of copper flashing. You don't want a portion of the stroke to find a better path to earth through you 110 volt wiring and radio equipment.
>
> On another note: lightning arrestors are also part of the mix.
> It has been proven that a "near miss" lightning event can put a pulse of energy onto your antenna and into your cables strong enough to damage your receiver's front end. Don't be lulled into a false sense of security by the claims of "DC grounding" in or at the antenna. That only protects the antenna's innards not the stuff attached to it. See the letters "DC"? At the frequency the antenna is designed to operate at, that DC ground is not part of the equation! Read up on metallic insulators (shorted quarter wave stubs) for the "why" of it.
> Also, while the practice of disconnecting all the antenna cables during a storm or when you're away is not a bad idea, the law of averages declares that you WILL be caught off guard once or twice and of course, that's when the stroke will come knocking. People have been struck by lightning from a clear sky... it's been documented, so, a word to the wise...
>
> Again PolyPhaser has literature on the subject.
>
> For some of you this will be particularly difficult, but some is better than nothing if done right. www.PolyPhaser.com can explain it all better than can I, so consider my soapboxing as a sign post pointing toward the way to go and why.
>
> Here's hoping that all the cracks and bangs you hear in the storm are in the distance... the far, far distance!
>
> 73, Stan
>
> [Non-text portions of this message have been removed]
>

6128. Re: Feedline passthru window solutions

Yahoo group: ham-antennas (2008)
Date: 2008-10-01 15:48:28 UTC
From: Norm Blitch
Topic: 6089 Message: 6128

Stan,

(again, Thanks for another "Keeper"!

Sadly, My Shack site couldn't be ANY further from the service entrance; it is in the OPPOSITE corner of a 1600 sq ft dwelling, and I doubt XYL would entertain such a "easement"...

Next best method of coupling the AC ground to my Station ground??

73 de Norm KE4GAH

--- In ham-antennas@yahoogroups.com, "Stan Labinsky Jr." <stanbarb@...> wrote:
>
> Norm, hi.
>
> There are several sources of "extension boxes" that can be used to tie the third wire ground to your grounding / earthing system. Again, see the PolyPhaser site. But you could probably fabricate one by attaching an outdoor outlet box with a duplex receptacle mounted in it to the entrance panel, with all the correct fittings to make it electrically safe. Then take all the station power from that outlet box.>
> 73, Stan

6129. Re: Feedline passthru window solutions

Yahoo group: ham-antennas (2008)
Date: 2008-10-01 15:50:40 UTC
From: Norm Blitch
Topic: 6089 Message: 6129

Not to beg the issue, but should the arrestors be on the OUTSIDE of the passthru, or on the INSIDE??

73s, Norm

--- In ham-antennas@yahoogroups.com, "Stan Labinsky Jr." <stanbarb@...> wrote:

> As far as disconnecting your antenna leads, that would work, however, it's the one time it's forgotten that cooks the goose. Better to install lightning arrestors inline with each cable, the good capacitvely coupled guys, not just the old spark gap types. > 73, Stan

6130. Re: [ham-antennas] Re: Feedline passthru window solutions

Yahoo group: ham-antennas (2008)
Date: 2008-10-01 16:47:41 UTC
From: Stan Labinsky Jr.
Topic: 6089 Message: 6130

Good morning Vee, I'll take a stab at it...

"I have a question: I am in a nearly new house. The AC ground was tied to an iron rod buried in the foundation of the house.
I assume that there is rot iron running through the foundation and that it is all connected.
With all the plumbing being plastic, there is no easy way to tie grounds together.
My shack in in the basement about fifty feet away from the place the ground is connected to the rot iron in the foundation.
How do I best tie this ground to a ground rod I plan to drive in a window well just outside my shack window?"

First, (correct me if I'm wrong... anybody) the "best" ground should always be the one where your feed lines enter the building since they are the ones which stand the greatest chance of carrying strike current.
That said, I'd take the trouble to double up on the ground rods. Also, I've been warned to check where the foundation footer is poured. In some soils they are apparently quite wide to adequately support the foundation wall. Drive the rod too close to the house and you might just run into it. The argument is that you could damage the footer by trying to pound the rod through it... and besides, by being so close to the building you loose some dissipation effectiveness. Think of a ground plane for an antenna. The antenna should be mounted in the center of it, so same with your ground. The more real estate around the rod, the more area for the stroke energy to be dissipated in.
Also, the old, "two properly spaced apart rods are better than one", applies! It's not just that there's, "a rod out there", but that there's enough there to do the job as it needs to be done.

"I really don't want to run the ground wire through the house.
The ceilings are finished and it will be a real job to do this.
Also, I may be creating a fire hazard from a lightning strike."

The reason you want to bond the power and entrance grounds together is to divert as much of the strike energy away from the house wiring as practicable. Imagine that a strike comes in through the power line and finds your excellent station grounding... through the house wiring that is... it could become painful. (Ya gotta' look at it goin' both ways.)

So, would it be possible to install copper flashing (make it the 3 inch kind) inside the finished room(s) up by the cieling painted to match the wall?
Why three inch? Surface area! Both for the low impedance aspect and for the mass and surface to handle and dissipate safely the heat of the current pulse. Now, running the strap inside the dwelling is NOT the best, but better than having the wiring inside the walls taking the hit.

The other, better, option would be to run the strapping outside! But then you have to find a way to bring it inside to the entrance panel and by your description it sounds like that might not be reasonably done.

However, if you did drive two rods, they could be situated like sentry posts along that run of strapping on the way to the entrance panel from the station ground. That way you do a better job of grounding, and do it more efficiently.

"The place where the power enters the home from a buried cable to the meter base is a long ways from this ground.
The ground wire goes from the meter base up to the attic and back down to the basement and connects to the iron rod in the foundation.
I'm sure this must be in the current NEC code, but I've never seen this type of grounding before."

That your electric service is buried is a good thing as the capacitance of the wiring to the earth will reduce the amplitude of any strike energy coming in that way. Especially the higher frequency stuff.

Question: That ground wire going up to the attic. Is that wire run on the outside of the structure? Going up to the attic and then down the inside of the wall to the iron rod?

If so, and if you do run the strap outside, I'd make the connection to the power company's grounding wire where it leaves the meter base (if I read your description correctly). Even if you ended the run of flashing on the ground below the meter and ran a number six up to the base to make the connection, that would work and not be too obvious. Just make the corner from the strap to the meter base a smooth radius. Lightning absolutely hates sharp bends in its path, they're too inductive.
Or, if you do run it inside, the service entrance end of the strap from your station ground - should be bonded to the service panel.

Just let the iron rod power ground be what it is. It will probably not be too effective at lightning abatement anyway considering the long strange path it's following. But it will save you from accidental electrocution, which is what it's there for.

Another thought comes to mind. That power company ground sounds like a sort of loop, like the primary turn in the transformer I wrote of in a previous post. If so, any other wiring near to it will have a voltage pulse induced into it. May do nothing, or it may pop some home electronics... who knows. But, by your station grounding providing a better path for a lightning stroke, you'll minimise the possibility of that happening.

This statement still says it all!

> I think the NEC would go along with a Bonding
> Cable (#6 or heaver) between your Shack Ground
> and the Power Entrance Box.
> As long as all things are Bonded together you should
> have No Difference in Potential between the grounds.
> Also, Remember that your CATV and you Phone
> should also be bonded to the same ground.
> Clamps under ground will corrode and should be
> welded or brazed ...
> Tie your tower base grounds Also into your new
> system ground.
> I worked in cellular and even with many hits on the
> towers the equipment kept working with Good Grounds.

>

This may not necessarily be what you might have wanted to hear, but it's how I'd start at it.

73, Stan

[Non-text portions of this message have been removed]

6131. Re: [ham-antennas] Re: Feedline passthru window solutions

Yahoo group: ham-antennas (2008)
Date: 2008-10-01 17:01:05 UTC
From: Stan Labinsky Jr.
Topic: 6089 Message: 6131

Well Norm, the arrestors, if they are the coaxial type can be used as the passthroughs in your entrance panel. Some come with long threaded barrels for just that purpose. By applying them in that way, the shield of the cable will be well connected to the metal plate and then to your grounding system.
If you use the dc blocked devices, they will specify which end connects to what. These do a superior job of protecting the radio's input.

Stan

----- Original Message -----
From: Norm Blitch
To: ham-antennas@yahoogroups.com
Sent: Wednesday, October 01, 2008 11:50 AM
Subject: [ham-antennas] Re: Feedline passthru window solutions

Not to beg the issue, but should the arrestors be on the OUTSIDE of the passthru, or on the INSIDE??

73s, Norm

--- In ham-antennas@yahoogroups.com, "Stan Labinsky Jr." <stanbarb@...> wrote:

> As far as disconnecting your antenna leads, that would work, however, it's the one time it's forgotten that cooks the goose. Better to install lightning arrestors inline with each cable, the good capacitvely coupled guys, not just the old spark gap types. > 73, Stan

[Non-text portions of this message have been removed]

6132. RE: [ham-antennas] Re: Feedline passthru window solutions

Yahoo group: ham-antennas (2008)
Date: 2008-10-01 17:39:28 UTC
From: Richard Schmuke
Topic: 6089 Message: 6132

I am no expert , nor do I play one on TV, but I would install a ground rod outside as close to my shack as I could. You can discuss rules an regs until you are blue in the face but direct to ground is good. I have mine that way , it is also with the house ground thru my surge protector. I also have my radio and computer power thru a relay set up and if I lose power in this rural area, the relay drops out and nothing will power up or reboot unless I press the reset button. The main relay is a 4 pole and it supply☐s it☐s own solenoid thru a pole, with a panic button and reset button. This way my satellite internet uplink modem , printers and things are all off line if I am not home and there is a storm.

Rich , KDØZZ

Disclaimer: Any errors in spelling or facts are transmission errors.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Norm Blitch
Sent: Wednesday, October 01, 2008 10:48 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: Feedline passthru window solutions

Stan,

(again, Thanks for another "Keeper"!

Sadly, My Shack site couldn't be ANY further from the service entrance; it is in the OPPOSITE corner of a 1600 sq ft dwelling, and I doubt XYL would entertain such a "easement"...

Next best method of coupling the AC ground to my Station ground??

73 de Norm KE4GAH

--- In ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
, "Stan Labinsky Jr." <stanbarb@...>
wrote:
>
> Norm, hi.
>
> There are several sources of "extension boxes" that can be used to tie the third wire ground to your grounding / earthing system. Again, see the PolyPhaser site. But you could probably fabricate one by attaching an outdoor outlet box with a duplex receptacle mounted in it to the entrance panel, with all the correct fittings to make it electrically safe. Then take all the station power from that outlet box.>
> 73, Stan

[Non-text portions of this message have been removed]

6133. 20 meter dipole

Yahoo group: ham-antennas (2008)
Date: 2008-10-01 17:40:43 UTC
From: brad gass
Topic: 6133 Message: 6133

Fellow Hams:

I have a puzzling problem that I ask help to resolve. I recently PURCHASED a commecially made 20meter dipole. Without boaring everyone with the things that I have done, the Readers Digest version is, with a tuner in-line I can acheive a 1:4 to 1:8 SWR at 14.070 (psk), but without a tuner Its goes up to way over 3:5 - 3:8 swr. I have been told since there is nothing wrong with the antenna itself, and / or the feed line, I am told that its the electric feedline feeding my house , that is causeing the high swr as well as the reason that i am coming through my TV in my house.

COMMENTS ???? Brad - N3JPL

6134. Re: [ham-antennas] 20 meter dipole

Yahoo group: ham-antennas (2008)
Date: 2008-10-01 17:47:17 UTC
From: Allan Kissack
Topic: 6133 Message: 6134

Brad,

I am far from an expert having only had my license since May. However I made a 20m dipole and fed it with some cheep RG58U, This caused RF in the shack and this was resolved by replacing the coax with much better screened RG58A/U and a choke at the antenna feed (20 torroids over the coax as discussed here http://www.dx-wire.de/brit/). My RF problems are now sorted.

If you can get an antenna analyser you can check the SWR at the antenna feed and at the end of the feed line and that may be revealing?

--
Allan
2E0EAK

----- Original Message -----
From: brad gass
To: ham-antennas@yahoogroups.com
Sent: Wednesday, October 01, 2008 6:40 PM
Subject: [ham-antennas] 20 meter dipole

Fellow Hams:

I have a puzzling problem that I ask help to resolve. I
recently PURCHASED a commecially made 20meter dipole. Without
boaring everyone with the things that I have done, the Readers
Digest version is, with a tuner in-line I can acheive a 1:4 to
1:8 SWR at 14.070 (psk), but without a tuner Its goes up to way
over 3:5 - 3:8 swr. I have been told since there is nothing wrong
with the antenna itself, and / or the feed line, I am told that its
the electric feedline feeding my house , that is causeing the high
swr as well as the reason that i am coming through my TV in my house.

COMMENTS ???? Brad - N3JPL

[Non-text portions of this message have been removed]

6135. Re: [ham-antennas] Re: Feedline passthru window solutions

Yahoo group: ham-antennas (2008)
Date: 2008-10-01 17:52:26 UTC
From: Ken Burchfield
Topic: 6089 Message: 6135

Rich way to go:
Years ago when I worked commercial Microwave...we had a similar feed of ac to the AC units different we had a timer that delayed after Loss of ac. so that the surge did not occur and kill the AC units....Airconx did not have time to unload... now smarth Termostats on the market .Your scheme is good for getting away from the killer surges....73 Ken.....just my 2

Like your tag line that works for me!!!
PacketRadio is Still Alive.....Mississippi.....145.010.....Simplex.....1200 Baud

----- Original Message ----
From: Richard Schmuke <rdj@...>
To: ham-antennas@yahoogroups.com
Sent: Wednesday, October 1, 2008 11:39:28 AM
Subject: RE: [ham-antennas] Re: Feedline passthru window solutions

I am no expert , nor do I play one on TV, but I would install a ground rod outside as close to my shack as I could. You can discuss rules an regs until you are blue in the face but direct to ground is good. I have mine that way , it is also with the house ground thru my surge protector. I also have my radio and computer power thru a relay set up and if I lose power in this rural area, the relay drops out and nothing will power up or reboot unless I press the reset button. The main relay is a 4 pole and it supply?s it?s own solenoid thru a pole, with a panic button and reset button. This way my satellite internet uplink modem , printers and things are all off line if I am not home and there is a storm.

Rich , KD?ZZ

Disclaimer: Any errors in spelling or facts are transmission errors.

[Non-text portions of this message have been removed]

6136. RE: [ham-antennas] Re: Feedline passthru window solutions

Yahoo group: ham-antennas (2008)
Date: 2008-10-01 17:56:16 UTC
From: James M.(Jim) Geidl
Topic: 6089 Message: 6136

Vee,

Please keep in mind, it you take a direct hit it isn't going to matter much.
I am inclined to do moderate grounding but spend most of my money on very
good insurance coverage!

Jim, K6JMG
www.spinochio.com

//

> [mailto:ham-antennas@yahoogroups.com] On Behalf Of Vee W7IBB
> Sent: Tuesday, September 30, 2008 10:15 PM
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] Re: Feedline passthru window solutions
>
> I've enjoyed reading these posts. It got off the inital
> topic and ended up hitting grounding pretty hard, which is
> important for us all to understand.
>
> I have a question: I am in a nearly new house. The AC
> ground was tied to an iron rod buried in the foundation of
> the house. I assume that there is rot iron running through
> the foundation and that it is all connected. With all the
> plumbing being plastic, there is no easy way to tie grounds
> together. My shack in in the basement about fifty feet away
> from the place the ground is connected to the rot iron in the
> foundation. How do I best tie this ground to a ground rod I
> plan to drive in a window well just outside my shack window?
> I really don't want to run the ground wire through the house.
> The ceilings are finished and it will be a real job to do
> this. Also, I may be creating a fire hazard from a lightning
> strike. The place where the power enters the home from a
> buried cable to the meter base is a long ways from this
> ground. The ground wire goes from the meter base up to the
> attic and back down to the basement and connects to the iron
> rod in the foundation. I'm sure this must be in the current
> NEC code, but I've never seen this type of grounding before.
>
> Any suggestions??
> Thanks,
>
> Vee W7IBB Utah
>
>
>

>
> --- In ham-antennas@yahoogroups.com, "Stan Labinsky Jr."
> <stanbarb@...> wrote:
> >
> > Dean... AMEN!
> >
> > Stan
> >
> > ----- Original Message -----
> > From: Dean
> > To: ham-antennas@yahoogroups.com
> > Sent: Monday, September 29, 2008 11:08 PM
> > Subject: Re: [ham-antennas] Re: Feedline passthru window solutions
> >
> >
> > I think the NEC would go along with a Bonding
> > Cable (#6 or heaver) between your Shack Ground
> > and the Power Entrance Box.
> > As long as all things are Bonded together you should
> > have No Difference in Potential between the grounds.
> > Also, Remember that your CATV and you Phone
> > should also be bonded to the same ground.
> > Clamps under ground will corrode and should be
> > welded or brazed ...
> > Tie your tower base grounds Also into your new
> > system ground.
> > I worked in cellular and even with many hits on the
> > towers the equipment kept working with Good Grounds.
> >
> > 73 Dean W5GXL@...
> >
> > On Sep 29, 2008, at 1:12 PM, Stan Labinsky Jr. wrote:
> > >
> > > I'm going to draw fire for saying / suggesting this as the NEC
> seems
> > > to allow for ONLY one grounding point for an electrical service.
> > > However that requirement does NOT take into account the multiple
> > > paths taken by the strike. I've seen the results of lightning
> > > finding its way to ground through the equipment and the wall
> outlet.
> > >
> >
> > >
> >
> > [Non-text portions of this message have been removed]
> >
> >
> >
> >
> >

> > [Non-text portions of this message have been removed]
> >
>
>
>
> ---
>
> HAM ANTENNAS Anything and everything, tell us or ask
> questions. Replies go to ALL 1446 members (as of 9/26/08, and
> attachments are NOT permitted.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>

6137. FW: RE: [ham-antennas] Re: Feedline passthru window solutions

Yahoo group: ham-antennas (2008)
Date: 2008-10-01 18:00:30 UTC
From: paul glassman
Topic: 6137 Message: 6137

----- Original Message -----
Subject: RE: [ham-antennas] Re: Feedline passthru window solutions
Date: Wed, 1 Oct 2008 17:56:51
From: paul glassman <highschooldiving@...>
To: rdj@... <rdj@...>

rich,
your setup sounds great if there is a power outage to take all of your toys off line before lightning hits. what if you get a lightning strike directly to your ground rod. that will back into your shack, or a lightning strike to your inbound electric supply 30 feet from your house after the line breakers? i know it sounds like a lot of work however when i am not in the shack, everything is disconnected from everything. i have 7 xcievers and three receivers, 4 amps along with a steppir vert. i disconnect from the power source also. takes about 10 minutes, however i dont end up sweating blood if i am 45 minutes from home and we get a sudden thunderstorm.
73 paul w8jn

Richard Schmuke wrote:
> I am no expert , nor do I play one on TV, but I would install a ground rod
> outside as close to my shack as I could. You can discuss rules an regs until
> you are blue in the face but direct to ground is good. I have mine that way
> , it is also with the house ground thru my surge protector. I also have my
> radio and computer power thru a relay set up and if I lose power in this
> rural area, the relay drops out and nothing will power up or reboot unless I
> press the reset button. The main relay is a 4 pole and it supply’s it’s own
> solenoid thru a pole, with a panic button and reset button. This way my
> satellite internet uplink modem , printers and things are all off line if I
> am not home and there is a storm.
> Rich , KDØZZ
> Disclaimer: Any errors in spelling or facts are transmission errors.
> From: ham-antennas@ yahoogroups. com [mailto: ham-antennas@ yahoogroups. com] On
> Behalf Of Norm Blitch
> Sent: Wednesday, October 01, 2008 10:48 AM
> To: ham-antennas@ yahoogroups. com
> Subject: [ham-antennas] Re: Feedline passthru window solutions
> Stan,
> (again, Thanks for another "Keeper"!
> Sadly, My Shack site couldn't be ANY further from the service entrance;
> it is in the OPPOSITE corner of a 1600 sq ft dwelling, and I doubt XYL
> would entertain such a "easement".. .
> Next best method of coupling the AC ground to my Station ground??
> 73 de Norm KE4GAH
> --- In ham-antennas@ yahoogroups. com <mailto:ham- antennas% 40yahoogroups. com>
> , "Stan Labinsky Jr." <stanbarb@.. .>
> wrote:

>>
>> Norm, hi.
>>
>> There are several sources of "extension boxes" that can be used to
> tie the third wire ground to your grounding / earthing system. Again,
> see the PolyPhaser site. But you could probably fabricate one by
> attaching an outdoor outlet box with a duplex receptacle mounted in it
> to the entrance panel, with all the correct fittings to make it
> electrically safe. Then take all the station power from that outlet
> box.>
>> 73, Stan
> [Non-text portions of this message have been removed]
>

6138. Re: [ham-antennas] Re: Feedline passthru window solutions

Yahoo group: ham-antennas (2008)
Date: 2008-10-01 17:33:14 UTC
From: Stan Labinsky Jr.
Topic: 6089 Message: 6138

Y'know, it's always that way! ;-)

As far as running a bonding wire from your station ground to the entrance panel, it could be buried in a slit trench along side, but spaced away from, the foundation... assuming that there's no concrete or blacktop walkways in its path. If done that way, it could also be used to connect the ground rods to the system... kill two birds...
Even if there are paved walks in the way, there are techniques of using water as a drill to enable a wire to be passed under the obstruction.

Y'know, I want to say don't worry about it. Especially if the power company's ground is a really solid one... eight foot rod, heavy connection, no corrosion anywhere, the works.
If the station ground is the path of least impedance to the stroke hitting your antenna, not that much of it will flow through the house wiring... BUT that's a bet I'm not too willing to make. Since what I'm writing here could hang my but on a wall if incorrect... read smoking pile of home after the thunder storm, I have to say that the bonding should be used. Have I seen it not being that big a deal with a really good station ground in place... well, yea, we all can show such examples. But still I've also heard of folks playing Russian Roulette and living to tell about the experience.

The main reason here is that should a stroke of lightning come in through the power lines, and after many years of neglect power company grounds are not to be relied upon, the stroke will use your excellent station ground as its preferred path on the way to earth. D'you want your wiring making up for a deficient electric company ground at the expense of your dwelling? I don't.

Stan

----- Original Message -----
From: Norm Blitch
To: ham-antennas@yahoogroups.com
Sent: Wednesday, October 01, 2008 11:48 AM
Subject: [ham-antennas] Re: Feedline passthru window solutions

Stan,

(again, Thanks for another "Keeper"!

Sadly, My Shack site couldn't be ANY further from the service entrance;
it is in the OPPOSITE corner of a 1600 sq ft dwelling, and I doubt XYL
would entertain such a "easement"...

Next best method of coupling the AC ground to my Station ground??

73 de Norm KE4GAH

--- In ham-antennas@yahoogroups.com, "Stan Labinsky Jr." <stanbarb@...>
wrote:
>

> Norm, hi.
>
> There are several sources of "extension boxes" that can be used to tie the third wire ground to your grounding / earthing system. Again, see the PolyPhaser site. But you could probably fabricate one by attaching an outdoor outlet box with a duplex receptacle mounted in it to the entrance panel, with all the correct fittings to make it electrically safe. Then take all the station power from that outlet box.>
> 73, Stan

[Non-text portions of this message have been removed]

6139. Re: [ham-antennas] Re: Feedline passthru window solutions

Yahoo group: ham-antennas (2008)
Date: 2008-10-01 19:32:49 UTC
From: Stan Labinsky Jr.
Topic: 6089 Message: 6139

```
----- Original Message -----
From: billncolo36
To: ham-antennas@yahoogroups.com
Sent: Wednesday, October 01, 2008 10:13 AM
Subject: [ham-antennas] Re: Feedline passthru window solutions

Stan, What is recommended for the 8 wires that go to the rotator.
I've never seen/heard anything on this.
Bill
N0CU

Bill, PolyPhaser offers the IS-RCT exactly for that function. I believe the
I.C.E. engineering does too.

73, Stan
```

6140. Re: RE: [ham-antennas] Re: Feedline passthru window solutions

Yahoo group: ham-antennas (2008)
Date: 2008-10-01 20:19:54 UTC
From: Harold Burton
Topic: 6089 Message: 6140

I can vouch for your methodology. On of my local fellow Hams did his usual antenna
disconnecting when a thunderstorm was forecast for the area. He, however, never even thought about disconnecting his ground wire. His Icom 718 was rendered dead and unrepairable(per a call to Icom) when a close lightning strike came in on the ground wire. I put a quick disconnect on my ground wire so I could disconnect everything, but I haven't worked up the courage to reconnect it yet.(G)

Harold
KD5SAK
----- Original Message -----
From: "paul glassman" <highschooldiving@...>
To: <ham-antennas@yahoogroups.com>
Sent: Wednesday, October 01, 2008 1:00 PM
Subject: FW: RE: [ham-antennas] Re: Feedline passthru window solutions

----- Original Message -----
Subject: RE: [ham-antennas] Re: Feedline passthru window solutions
Date: Wed, 1 Oct 2008 17:56:51
From: paul glassman <highschooldiving@...>
To: rdj@... <rdj@...>

rich,
your setup sounds great if there is a power outage to take all of your toys off line before lightning hits. what if you get a lightning strike directly to your ground rod. that will back into your shack, or a lightning strike to your inbound electric supply 30 feet from your house after the line breakers? i know it sounds like a lot of work however when i am not in the shack, everything is disconnected from everything. i have 7 xcievers and three receivers, 4 amps along with a steppir vert. i disconnect from the power source also. takes about 10 minutes, however i dont end up sweating blood if i am 45 minutes from home and we get a sudden thunderstorm.
73 paul w8jn

6141. RE: RE: [ham-antennas] Re: Feedline passthru window solutions

Yahoo group: ham-antennas (2008)
Date: 2008-10-01 20:49:51 UTC
From: Richard Schmuke
Topic: 6137 Message: 6141

Paul , I also unplug the coax on my radios , I don’t have near the set up you do , just one VHF and one HF rig. I keep them disconnected unless I go to use them.

I worry more about my well pump than my radios , my incoming power is a little different , I have a 400amp single phase 240v system , it does not run through a meter but I have 400 amp fuses in a disconnect , then two 200 amp breakers boxes then the standard breakers on each circuit. This is not quite the standard house set up, The disconnect is a 400 amp 3 phase unit with one leg open , I have a 400 amp transformer on the pole in my yard that feeds me alone , the power is measured as current flow from the transformer , if you pull my meter the power is still on.

Rich , KDØZZ

Disclaimer: Any errors in spelling or facts are transmission errors.

----- Original Message -----
Subject: RE: [ham-antennas] Re: Feedline passthru window solutions
Date: Wed, 1 Oct 2008 17:56:51
From: paul glassman <highschooldiving@... <mailto:highschooldiving%40yahoo.com> >
To: rdj@... <mailto:rdj%40wildblue.net> <rdj@wildblue.net <mailto:rdj%40wildblue.net> >

rich,
your setup sounds great if there is a power outage to take all of your toys off line before lightning hits. what if you get a lightning strike directly to your ground rod. that will back into your shack, or a lightning strike to your inbound electric supply 30 feet from your house after the line breakers? i know it sounds like a lot of work however when i am not in the shack, everything is disconnected from everything. i have 7 xcievers and three receivers, 4 amps along with a steppir vert. i disconnect from the power source also. takes about 10 minutes, however i dont end up sweating blood if i am 45 minutes from home and we get a sudden thunderstorm.
73 paul w8jn

Richard Schmuke wrote:
> I am no expert , nor do I play one on TV, but I would install a ground rod
> outside as close to my shack as I could. You can discuss rules an regs until
> you are blue in the face but direct to ground is good. I have mine that way
> , it is also with the house ground thru my surge protector. I also have my
> radio and computer power thru a relay set up and if I lose power in this
> rural area, the relay drops out and nothing will power up or reboot unless I
> press the reset button. The main relay is a 4 pole and it supply’s it’s own
> solenoid thru a pole, with a panic button and reset button. This way my
> satellite internet uplink modem , printers and things are all off line if I
> am not home and there is a storm.
> Rich , KDØZZ
> Disclaimer: Any errors in spelling or facts are transmission errors.
> From: ham-antennas@ yahoogroups. com [mailto: ham-antennas@ yahoogroups. com] On

> Behalf Of Norm Blitch
> Sent: Wednesday, October 01, 2008 10:48 AM
> To: ham-antennas@ yahoogroups. com
> Subject: [ham-antennas] Re: Feedline passthru window solutions
> Stan,
> (again, Thanks for another "Keeper"!
> Sadly, My Shack site couldn't be ANY further from the service entrance;
> it is in the OPPOSITE corner of a 1600 sq ft dwelling, and I doubt XYL
> would entertain such a "easement".. .
> Next best method of coupling the AC ground to my Station ground??
> 73 de Norm KE4GAH
> --- In ham-antennas@ yahoogroups. com <mailto:ham- antennas% 40yahoogroups. com>
> , "Stan Labinsky Jr." <stanbarb@.. .>
> wrote:
>>
>> Norm, hi.
>>
>> There are several sources of "extension boxes" that can be used to
> tie the third wire ground to your grounding / earthing system. Again,
> see the PolyPhaser site. But you could probably fabricate one by
> attaching an outdoor outlet box with a duplex receptacle mounted in it
> to the entrance panel, with all the correct fittings to make it
> electrically safe. Then take all the station power from that outlet
> box.>
>> 73, Stan
> [Non-text portions of this message have been removed]
>

[Non-text portions of this message have been removed]

6142. Re: [ham-antennas] Re: Feedline passthru window solutions

Yahoo group: ham-antennas (2008)
Date: 2008-10-01 22:10:22 UTC
From: Dean
Topic: 6089 Message: 6142

73 Dean W5GXL@...

On Oct 1, 2008, at 12:15 AM, Vee W7IBB wrote:
>
>
> I have a question: I am in a nearly new house. The AC ground was
> tied to an iron rod buried in the foundation of the house. I assume
> that there is rot iron running through the foundation and that it
> is all connected. With all the plumbing being plastic, there is no
> easy way to tie grounds together. My shack in in the basement about
> fifty feet away from the place the ground is connected to the rot
> iron in the foundation. How do I best tie this ground to a ground
> rod I plan to drive in a window well just outside my shack window? I
> really don't want to run the ground wire through the house. The
> ceilings
>

>

****
I am concerned about your ground rod running through
the foundation.
A ground rod for AC Power should be away from the
foundation of the house by SIX Feet. If you have it closer
than 6 ft you would only have a half of a ground.
The foundation would shield the other half and would not
be very good. Someone said they were going to drive a
ground rod in a window well. This is almost like no ground
at all.
A number 6 or heaver wire could be buried around your house
and tied into the Service Entrance ground as well as your
phone and CATV.
If you don't tie them together then if you have a shot of
lightning even a half mile away you could have a difference
of potential or voltage of over 1000 Volts. This is what
rips up our radios.
We need to keep everything at the same potential otherwise
it is going to cost us a lot more than the bonding wire.

73 Dean W5GXL

[Non-text portions of this message have been removed]

6143. RE: RE: [ham-antennas] Re: Feedline passthru window solutions

Yahoo group: ham-antennas (2008)
Date: 2008-10-01 22:48:18 UTC
From: Richard Schmuke
Topic: 6089 Message: 6143

Paul , you have a point I never thought of???????? My ground comes through my pass through and then to a ground strip where the coax switches and each item is connected.
Rich

-----Original Message-----
From: paul glassman [mailto:highschooldiving@...]
Sent: Wednesday, October 01, 2008 5:01 PM
To: rdj@...
Subject: RE: RE: [ham-antennas] Re: Feedline passthru window solutions

rich
do ypu disconnect the ground when youre not using the shack?

Richard Schmuke wrote:
> Paul , I also unplug the coax on my radios , I don’t have near the set up you do , just one VHF and one HF rig. I keep them disconnected unless I go to use them.
> I worry more about my well pump than my radios , my incoming power is a little different , I have a 400amp single phase 240v system , it does not run through a meter but I have 400 amp fuses in a disconnect , then two 200 amp breakers boxes then the standard breakers on each circuit. This is not quite the standard house set up, The disconnect is a 400 amp 3 phase unit with one leg open , I have a 400 amp transformer on the pole in my yard that feeds me alone , the power is measured as current flow from the transformer , if you pull my meter the power is still on.
> Rich , KDØZZ
> Disclaimer: Any errors in spelling or facts are transmission errors.
> ----- Original Message -----
> Subject: RE: [ham-antennas] Re: Feedline passthru window solutions
> Date: Wed, 1 Oct 2008 17:56:51
> From: paul glassman < highschooldiving@ yahoo.com <mailto:highschoold iving%40yahoo. com> >
> To: rdj@wildblue. net <mailto:rdj% 40wildblue. net> < rdj@wildblue. net <mailto:rdj% 40wildblue. net> >
> rich,
> your setup sounds great if there is a power outage to take all of your toys off line before lightning hits. what if you get a lightning strike directly to your ground rod. that will back into your shack, or a lightning strike to your inbound electric supply 30 feet from your house after the line breakers? i know it sounds like a lot of work however when i am not in the shack, everything is disconnected from everything. i have 7 xcievers and three receivers, 4 amps along with a steppir vert. i disconnect from the power source also. takes about 10 minutes, however i dont end up sweating blood if i am 45 minutes from home and we get a sudden thunderstorm.
> 73 paul w8jn
> Richard Schmuke wrote:
>> I am no expert , nor do I play one on TV, but I would install a ground rod
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>> you are blue in the face but direct to ground is good. I have mine that way

>> , it is also with the house ground thru my surge protector. I also have my
>> radio and computer power thru a relay set up and if I lose power in this
>> rural area, the relay drops out and nothing will power up or reboot unless I
>> press the reset button. The main relay is a 4 pole and it supply’s it’s own
>> solenoid thru a pole, with a panic button and reset button. This way my
>> satellite internet uplink modem , printers and things are all off line if I
>> am not home and there is a storm.
>> Rich , KDØZZ
>> Disclaimer: Any errors in spelling or facts are transmission errors.
>> From: ham-antennas@ yahoogroups. com [mailto: ham-antennas@ yahoogroups. com] On
>> Behalf Of Norm Blitch
>> Sent: Wednesday, October 01, 2008 10:48 AM
>> To: ham-antennas@ yahoogroups. com
>> Subject: [ham-antennas] Re: Feedline passthru window solutions
>> Stan,
>> (again, Thanks for another "Keeper"!
>> Sadly, My Shack site couldn't be ANY further from the service entrance;
>> it is in the OPPOSITE corner of a 1600 sq ft dwelling, and I doubt XYL
>> would entertain such a "easement".. .
>> Next best method of coupling the AC ground to my Station ground??
>> 73 de Norm KE4GAH
>> --- In ham-antennas@ yahoogroups. com <mailto:ham- antennas% 40yahoogroups. com>
>> , "Stan Labinsky Jr." <stanbarb@.. .>
>> wrote:
>>>
>>> Norm, hi.
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>>> There are several sources of "extension boxes" that can be used to
>> tie the third wire ground to your grounding / earthing system. Again,
>> see the PolyPhaser site. But you could probably fabricate one by
>> attaching an outdoor outlet box with a duplex receptacle mounted in it
>> to the entrance panel, with all the correct fittings to make it
>> electrically safe. Then take all the station power from that outlet
>> box.>
>>> 73, Stan
>> [Non-text portions of this message have been removed]
>>
> [Non-text portions of this message have been removed]
>

6144. Re: [ham-antennas] Re: Feedline passthru window solutions

Yahoo group: ham-antennas (2008)
Date: 2008-10-01 23:17:30 UTC
From: Steve Friis
Topic: 6089 Message: 6144

I just have to add my $.02 worth.

If lightning strikes near by, you might be protected, but if you have a direct strike to your tower, your relay contactor spacing in the off position will mean nothing. You will have several thousand kilovolts within your dwelling. Both from the ground to cloud connection, and also the voltage differential produced because of the I2R losses on whatever you have outside coming inside. A direct lightning discharge can have about 100,000 amps. Consider this, if you have .1 ohms to earth ground in the DC resistance, and you have half of the above current, then you now have a differential potential of 50,000 volts. But wait! you also have an inductance. with the rise time of the strike being probably in the neighborhood of 500,000 volts per uS and if you used 20 feet of #6 wire, you have an inductor in the neighborhood of a couple of uH. This reactance is added in series with the DC resistance. This means that instantaneously, you could develop several more kilovolts inside your home.

When you build your panel, here is what commercial broadcasters do.
1) They put 10' long copper coated ground rods at about 2' from each tower leg.

2) Each coax is bonded to the tower where it leaves the tower to cross the bridge to the antenna.

3) Each coax is bonded to the entrance panel. This is either a brass or copper sheet, 1/4" thick or more. Smaller coax like LMR400/RG8 and smaller sizes will have a "drip loop" of about 36" from the entrance panel to the cable bridge. This increases the inductance, hopefully inducing the strike current to stay at the tower and it's ground. Power for the tower lights go through inductors to keep the EMP power on the tower side, with spark gaps on the tower side to ground.

4) Lightning arrestors are put in the coaxial feed line at the entrance panel to keep the potential within manageable levels inside the coax. There will usually be a difference in potential from the outside of the coax to the center conductor due to propogational delay.

5) Many broadcasters use power isolators on the low voltage 240 or 480 volts AC outside the building to keep EMP outside, and passing the low frequency power to the building. These are either spark gaps or MOV's. The telephone line is also treated. The old style protector was a carbon block, but newer versions also use MOV's.

6) Everything is bonded inside and outside the building with wide copper strap, not wire. The wider the better. I have used up to 6" wide in a broadcast station, and at minimum 3" wide. You can buy it in 50# rolls or by the foot, depending on the vendor. The flatter and straighter you

keep the path, the better. To change directions, cut the strap and solder the splice with a torch making sure the solder flows completely, just like sweating fresh water pipes. Do not use acid core flux. Strap reduces the inductance, carries as much, if not more current and can act like a strip line conductor, like in a UHF transmitter, that promotes the efficient passing of the high frequency components of the lightning currents, voltages and consequently the power of the stroke.

7) Lightning spikes or rods are usually placed at the highest point on the tower. I have seen some that look like a wire kush-ball mounted on the top of the tower. This does 2 things. Attempts to keep the direct strike off the antenna and feed line, and in some instances actually will discharge the leader before it becomes catastrophically dangerous.

Keep in mind also, many broadcasters place their transmitting equipment on rocky mountain tops. So, soil conductivity is low. It is very hard to get a low resistance ground. So the idea is to make the building and it's contents become isolated from the lightning strike. Because of the location, they also are prone to be struck.

Steve Friis
Amateur Call WM5Z
APRS WM5Z-1 Las Cruces Igate | APRS WM5Z-2 Home | APRS WM5Z-3 RV | APRS WM5Z-15 Weather

These are the humble rantings of an old phart and in no way should they influence the actions of any intelligent and sane person.

Richard Schmuke wrote:
> I am no expert , nor do I play one on TV, but I would install a ground rod
> outside as close to my shack as I could. You can discuss rules an regs until
> you are blue in the face but direct to ground is good. I have mine that way
> , it is also with the house ground thru my surge protector. I also have my
> radio and computer power thru a relay set up and if I lose power in this
> rural area, the relay drops out and nothing will power up or reboot unless I
> press the reset button. The main relay is a 4 pole and it supply?s it?s own
> solenoid thru a pole, with a panic button and reset button. This way my
> satellite internet uplink modem , printers and things are all off line if I
> am not home and there is a storm.
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> Rich , KD?ZZ
>
> Disclaimer: Any errors in spelling or facts are transmission errors.
>
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>
> From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On
> Behalf Of Norm Blitch
> Sent: Wednesday, October 01, 2008 10:48 AM
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] Re: Feedline passthru window solutions
>
>
>
> Stan,
>
> (again, Thanks for another "Keeper"!
>
> Sadly, My Shack site couldn't be ANY further from the service entrance;
> it is in the OPPOSITE corner of a 1600 sq ft dwelling, and I doubt XYL
> would entertain such a "easement"...
>
> Next best method of coupling the AC ground to my Station ground??
>
> 73 de Norm KE4GAH
>
> --- In ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> , "Stan Labinsky Jr." <stanbarb@...>
> wrote:
>
>> Norm, hi.
>>
>> There are several sources of "extension boxes" that can be used to
>>
> tie the third wire ground to your grounding / earthing system. Again,
> see the PolyPhaser site. But you could probably fabricate one by
> attaching an outdoor outlet box with a duplex receptacle mounted in it
> to the entrance panel, with all the correct fittings to make it
> electrically safe. Then take all the station power from that outlet
> box.>
>
>> 73, Stan
>>
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> [Non-text portions of this message have been removed]
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> ------------------------------------
>
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6145. Re: [ham-antennas] 20 meter dipole

Yahoo group: ham-antennas (2008)
Date: 2008-10-01 23:31:14 UTC
From: Steve Friis
Topic: 6133 Message: 6145

How far, or maybe I should ask, how close together are they?

Steve Friis
Amateur Call WM5Z
APRS WM5Z-1 Las Cruces Igate | APRS WM5Z-2 Home | APRS WM5Z-3 RV | APRS WM5Z-15 Weather

These are the humble rantings of an old phart and in no way should they influence the actions of any intelligent and sane person.

brad gass wrote:
> Fellow Hams:
>
> I have a puzzling problem that I ask help to resolve. I
> recently PURCHASED a commecially made 20meter dipole. Without
> boaring everyone with the things that I have done, the Readers
> Digest version is, with a tuner in-line I can acheive a 1:4 to
> 1:8 SWR at 14.070 (psk), but without a tuner Its goes up to way
> over 3:5 - 3:8 swr. I have been told since there is nothing wrong
> with the antenna itself, and / or the feed line, I am told that its
> the electric feedline feeding my house , that is causeing the high
> swr as well as the reason that i am coming through my TV in my house.
>
> COMMENTS ???? Brad - N3JPL
>
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>
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6146. Re: 20 meter dipole

Yahoo group: ham-antennas (2008)
Date: 2008-10-01 23:52:02 UTC
From: David Lewis
Topic: 6133 Message: 6146

Hi Brad,
I can't be sure,but it may be rfi,affecting your swr meter.If you are showing the amount of power output that it should be,but with high swr,thats probably it.About six turns of coax,around a 2 liter soda bottle will make a good rf choke.Or one of the line isolators,from a ham vender,is good and smaller.Try moving the coax,from side to side,and see if the swr changes.If so,your coax is radiating,and needs a choke.Hope this helps.
73,David n5sjs

>
>
> Fellow Hams:
>
> I have a puzzling problem that I ask help to resolve. I
> recently PURCHASED a commecially made 20meter dipole. Without
> boaring everyone with the things that I have done, the Readers
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> with the antenna itself, and / or the feed line, I am told that its
> the electric feedline feeding my house , that is causeing the high
> swr as well as the reason that i am coming through my TV in my house.
>
> COMMENTS ???? Brad - N3JPL
>

6147. Re: [ham-antennas] 20 meter dipole

Yahoo group: ham-antennas (2008)
Date: 2008-10-01 23:55:31 UTC
From: Brad Gass
Topic: 6133 Message: 6147

Steve,

My TV Cacle line coming from the pole is only 2 ft from the dipole, and the power line coming in to the house is about 6 ft away from one leg of the dipole.

Brad N3JPL

--- On Wed, 10/1/08, Steve Friis <wm5z@...> wrote:

From: Steve Friis <wm5z@...>
Subject: Re: [ham-antennas] 20 meter dipole
To: ham-antennas@yahoogroups.com
Date: Wednesday, October 1, 2008, 7:31 PM

How far, or maybe I should ask, how close together are they?

Steve Friis
Amateur Call WM5Z
APRS WM5Z-1 Las Cruces Igate | APRS WM5Z-2 Home | APRS WM5Z-3 RV | APRS WM5Z-15 Weather

These are the humble rantings of an old phart and in no way should they influence the actions of any intelligent and sane person.

brad gass wrote:
> Fellow Hams:
>
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> over 3:5 - 3:8 swr. I have been told since there is nothing wrong
> with the antenna itself, and / or the feed line, I am told that its
> the electric feedline feeding my house , that is causeing the high
> swr as well as the reason that i am coming through my TV in my house.
>
> COMMENTS ???? Brad - N3JPL
>
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>
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[Non-text portions of this message have been removed]

6148. Re: [ham-antennas] 20 meter dipole

Yahoo group: ham-antennas (2008)
Date: 2008-10-01 23:57:49 UTC
From: patrick.obrien47
Topic: 6133 Message: 6148

HI BRAD.
What are there measurements of your 20m Dipole and have you
used an analyser on it ? have you compared the measurements with a wire
aerial online calculator ? also make sure the 20m dipole when tested is in
clear air nowhere near any overhead wires or buildings.
I have a 20m home brew dipole from my chimney to a pole at the end of the
garden
20m=33foot tip to tip (16.5ft each leg)
is yours fed with coax ???
as if its fed with twin feeder the dipole then becomes a doublet as the feed
line becomes part of the antenna
Patrick GW1SXN
----- Original Message -----
From: "Steve Friis" <wm5z@...>
To: <ham-antennas@yahoogroups.com>
Sent: Thursday, October 02, 2008 12:31 AM
Subject: Re: [ham-antennas] 20 meter dipole

> How far, or maybe I should ask, how close together are they?
>
> Steve Friis
> Amateur Call WM5Z
> APRS WM5Z-1 Las Cruces Igate | APRS WM5Z-2 Home | APRS WM5Z-3 RV | APRS
> WM5Z-15 Weather
>
> These are the humble rantings of an old phart and in no way should they
> influence the actions of any intelligent and sane person.
>
>
>
> brad gass wrote:
>> Fellow Hams:
>>
>> I have a puzzling problem that I ask help to resolve. I
>> recently PURCHASED a commecially made 20meter dipole. Without
>> boaring everyone with the things that I have done, the Readers
>> Digest version is, with a tuner in-line I can acheive a 1:4 to
>> 1:8 SWR at 14.070 (psk), but without a tuner Its goes up to way
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>> COMMENTS ???? Brad - N3JPL
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No virus found in this incoming message.
Checked by AVG - http://www.avg.com
Version: 8.0.173 / Virus Database: 270.7.5/1702 - Release Date: 01/10/2008
09:05

No virus found in this outgoing message.
Checked by AVG - http://www.avg.com
Version: 8.0.173 / Virus Database: 270.7.5/1702 - Release Date: 01/10/2008 09:05

[Non-text portions of this message have been removed]

6149. Re: [ham-antennas] 20 meter dipole

Yahoo group: ham-antennas (2008)
Date: 2008-10-02 00:11:52 UTC
From: Earl Needham
Topic: 6133 Message: 6149

Brad Gass wrote:
> Steve,
>
> My TV Cacle line coming from the pole is only 2 ft from the dipole, and the power
> line coming in to the house is about 6 ft away from one leg of the dipole.
>
> Brad N3JPL

Whoa! That's a little too close to BOTH for my personal comfort -- can you get more spacing, say 20 feet or more? You want spacing to prevent possible RFI to and from the cable system, but also to keep the power line and the dipole from coming together if either one falls during a windstorm or similar.

7 3
Earl
--
KD5XB -- Earl Needham
Clovis, New Mexico DM84jk
http://groups.yahoo.com/group/cw_bugs
Quoting from the Coast Guard: ZUT

6150. Re: [ham-antennas] 20 meter dipole

Yahoo group: ham-antennas (2008)
Date: 2008-10-02 00:11:30 UTC
From: Harold Burton
Topic: 6133 Message: 6150

Old Phart sounds much better in Spanish. It's "El Viejo Pedoro", and, if you can roll the R in Pedoro, it sounds very impressive. El Vee-eh-ho Pay-doh-rrrroh is as close as I can get, in a phonetic rendering. I used to work with a half Greek, half Mexican CAD drafter, a much younger fellow, and that's what he used to
call me.(G)

Harold
KD5SAK

---- Original Message -----
From: "Steve Friis" <wm5z@...>
To: <ham-antennas@yahoogroups.com>
Sent: Wednesday, October 01, 2008 6:31 PM
Subject: Re: [ham-antennas] 20 meter dipole

> These are the humble rantings of an old phart and in no way should they
> influence the actions of any intelligent and sane person.
>
>
>
> brad gass wrote:
>> Fellow Hams:

6151. Re: [ham-antennas] 20 meter dipole

Yahoo group: ham-antennas (2008)
Date: 2008-10-02 00:41:24 UTC
From: Steve Friis
Topic: 6133 Message: 6151

OK, That's what I was afraid of. For safety sake, you need to abandon
that location in favor of somewhere farther from the power line.
Remember, power lines KILL!!! so be very careful when removing it.

You would be much better off if you can stay as far from the power line
as possible. Do this even if you have to use a longer coax.

Steve Friis
Amateur Call WM5Z
APRS WM5Z-1 Las Cruces Igate | APRS WM5Z-2 Home | APRS WM5Z-3 RV | APRS WM5Z-15 Weather

These are the humble rantings of an old phart and in no way should they influence the
actions of any intelligent and sane person.

Brad Gass wrote:
> Steve,
>
> My TV Cacle line coming from the pole is only 2 ft from the dipole, and the power
> line coming in to the house is about 6 ft away from one leg of the dipole.
>
> Brad N3JPL
>
> --- On Wed, 10/1/08, Steve Friis <wm5z@...> wrote:
>
> From: Steve Friis <wm5z@...>
> Subject: Re: [ham-antennas] 20 meter dipole
> To: ham-antennas@yahoogroups.com
> Date: Wednesday, October 1, 2008, 7:31 PM
>
>
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>
> How far, or maybe I should ask, how close together are they?
>
> Steve Friis
> Amateur Call WM5Z
> APRS WM5Z-1 Las Cruces Igate | APRS WM5Z-2 Home | APRS WM5Z-3 RV | APRS WM5Z-15 Weather
>
> These are the humble rantings of an old phart and in no way should they influence the
actions of any intelligent and sane person.
>
> brad gass wrote:
>
>> Fellow Hams:

>>
>> I have a puzzling problem that I ask help to resolve. I
>> recently PURCHASED a commecially made 20meter dipole. Without
>> boaring everyone with the things that I have done, the Readers
>> Digest version is, with a tuner in-line I can acheive a 1:4 to
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>> with the antenna itself, and / or the feed line, I am told that its
>> the electric feedline feeding my house , that is causeing the high
>> swr as well as the reason that i am coming through my TV in my house.
>>
>> COMMENTS ???? Brad - N3JPL
>>
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>> ---------- --------- --------- ------
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> [Non-text portions of this message have been removed]
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6152. Re: [ham-antennas] Re: Feedline passthru window solutions

Yahoo group: ham-antennas (2008)
Date: 2008-10-02 00:56:37 UTC
From: Stan Labinsky Jr.
Topic: 6089 Message: 6152

----- Original Message -----
From: Steve Friis
To: ham-antennas@yahoogroups.com
Sent: Wednesday, October 01, 2008 7:17 PM
Subject: Re: [ham-antennas] Re: Feedline passthru window solutions

Right on Steve!

From what I've heard and read, if the shack is set up correctly, it can take a direct strike and survive.
Cell sites and commercial sites do that every day... what makes us so different?

Why can an airplane take a strike in the nose to have it exit the tail without harm?
Aircraft fly by wire, there's no mechanical connection between the pilot's cotrols and the control surfaces on the wings. An electronics failure there would be in the news for months after the crash.
BTW, I've recently seen photos of that happening on the Discovery channel or one of the other similar channels on satellite TV with explanation of why it's so. So, why can't we?

If we can keep the image before us of having all of our equipment inside of a capsule who's only connections to the outside world are through that grounded entrance panel, we can.
Sure, the feedline from our dipole may be fried but the equipment will not.

A properly designed transmitter building has a halo of ground cable running around the periphery of the whole structure with multiple ground rods where possible (tops of stony mountains offer poor grounding but are still workable). All of the services come in and out at one point. That way the whole building may jump to several thousands of volts above "ground" during a lightning event but inside no notice of the happening will be taken... the music will still play and the cellular conversations will continue on to divide drivers' attention away form the road around them. If it were not so, the industry would be lobbying Washington to have lightning outlawed.

Expensive, you betcha! But for our own good we can still attempt to approach that goal.

I will now fold up my soapbox and steal off into the night and put on my flameproof jammys.

Goodnight all

Stan

[Non-text portions of this message have been removed]

6153. Re: [ham-antennas] 20 meter dipole

Yahoo group: ham-antennas (2008)
Date: 2008-10-02 01:09:10 UTC
From: Steve Friis
Topic: 6133 Message: 6153

Steve Friis
Amateur Call WM5Z
APRS WM5Z-1 Las Cruces Igate | APRS WM5Z-2 Home | APRS WM5Z-3 RV | APRS WM5Z-15 Weather

These are the humble rantings of an El Viejo Pedoro (old fart) and in no way should they influence the actions of any intelligent and sane person.

There, does that suit you? <G>

Harold Burton wrote:
> Old Phart sounds much better in Spanish. It's "El Viejo Pedoro", and, if you
> can roll the R in Pedoro, it sounds very impressive. El Vee-eh-ho
> Pay-doh-rrrroh is as close as I can get, in a phonetic rendering. I used to
> work with a half Greek, half Mexican CAD drafter, a much younger fellow, and
> that's what he used to
> call me.(G)
>
> Harold
> KD5SAK
>
> ---- Original Message -----
> From: "Steve Friis" <wm5z@...>
> To: <ham-antennas@yahoogroups.com>
> Sent: Wednesday, October 01, 2008 6:31 PM
> Subject: Re: [ham-antennas] 20 meter dipole
>
>
>
>> These are the humble rantings of an old phart and in no way should they
>> influence the actions of any intelligent and sane person.
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>> brad gass wrote:
>>
>>> Fellow Hams:
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6154. Re: [ham-antennas] 20 meter dipole

Yahoo group: ham-antennas (2008)
Date: 2008-10-02 01:17:57 UTC
From: Harold Burton
Topic: 6133 Message: 6154

I should have said that I personally preferred the Spanish version, as much for the poetic sound of it as anything else. I certainly didn't intend to provoke a change in your signoff line, though.(G)

Harold
KD5SAK

----- Original Message -----
From: "Steve Friis" <wm5z@...>
To: <ham-antennas@yahoogroups.com>
Sent: Wednesday, October 01, 2008 8:09 PM
Subject: Re: [ham-antennas] 20 meter dipole

>
> Steve Friis
> Amateur Call WM5Z
> APRS WM5Z-1 Las Cruces Igate | APRS WM5Z-2 Home | APRS WM5Z-3 RV | APRS
> WM5Z-15 Weather
>
> These are the humble rantings of an El Viejo Pedoro (old fart) and in no
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>> Pay-doh-rrrroh is as close as I can get, in a phonetic rendering. I used
>> to
>> work with a half Greek, half Mexican CAD drafter, a much younger fellow,
>> and
>> that's what he used to
>> call me.(G)
>>
>> Harold
>> KD5SAK

6155. Re: [ham-antennas] Re: Feedline passthru window solutions

Yahoo group: ham-antennas (2008)
Date: 2008-10-02 01:27:22 UTC
From: Steve Friis
Topic: 6089 Message: 6155

You can put MOV's on those pesky rotor control cables. Use a connector that you like to bring the wires through the entrance panel, but mount the MOV's on the outside.

I have some dual MOV's made by Poly-Phaser that would be great for this. Since I have a bunch, I can make these available to you and the group for $2.00 each plus postage. Count on them costing about $3.00 to ship if you bought 4. They ain't very big. These would protect 2 wires. If you have 8 leads on your cable, then you would only need 4. They have connectors that fit a standard telephone punch down block for tip and ring, and a ring connector for the ground. I can't remember what the firing voltage is, but if anyone is interested, I will go look.

I also have some dual gas discharge types, unknown make, rated for standard telephone lines. These pass the ringer voltage without firing, but clamp at about 130 VAC. Same price, while they last.

I have retired from broadcast station work, and no longer need to keep these in stock.

Steve Friis
Amateur Call WM5Z
APRS WM5Z-1 Las Cruces Igate | APRS WM5Z-2 Home | APRS WM5Z-3 RV | APRS WM5Z-15 Weather

These are the humble rantings of an El Viejo Pedoro (old fart) and in no way should they influence the actions of any intelligent and sane person.

billncolo36 wrote:
> Stan, What is recommended for the 8 wires that go to the rotator.
> I've never seen/heard anything on this.
> Bill
> N0CU
>
>
>
>

6156. Re: [ham-antennas] 20 meter dipole

Yahoo group: ham-antennas (2008)
Date: 2008-10-02 01:28:06 UTC
From: Steve Friis
Topic: 6133 Message: 6156

Well, it was so good, I had to steal it from ya!!!

Steve Friis
Amateur Call WM5Z
APRS WM5Z-1 Las Cruces Igate | APRS WM5Z-2 Home | APRS WM5Z-3 RV | APRS WM5Z-15 Weather

These are the humble rantings of an El Viejo Pedoro (old fart) and in no way should they influence the actions of any intelligent and sane person.

Harold Burton wrote:
> I should have said that I personally preferred the Spanish version, as much
> for the poetic sound of it as anything else. I certainly didn't intend to
> provoke a change in your signoff line, though.(G)
>
> Harold
> KD5SAK
>
>
>
> ----- Original Message -----
> From: "Steve Friis" <wm5z@...>
> To: <ham-antennas@yahoogroups.com>
> Sent: Wednesday, October 01, 2008 8:09 PM
> Subject: Re: [ham-antennas] 20 meter dipole
>
>
>
>> Steve Friis
>> Amateur Call WM5Z
>> APRS WM5Z-1 Las Cruces Igate | APRS WM5Z-2 Home | APRS WM5Z-3 RV | APRS
>> WM5Z-15 Weather
>>
>> These are the humble rantings of an El Viejo Pedoro (old fart) and in no
>> way should they influence the actions of any intelligent and sane person.
>>
>> There, does that suit you? <G>
>>
>> Harold Burton wrote:
>>
>>> Old Phart sounds much better in Spanish. It's "El Viejo Pedoro", and, if
>>> you
>>> can roll the R in Pedoro, it sounds very impressive. El Vee-eh-ho
>>> Pay-doh-rrrroh is as close as I can get, in a phonetic rendering. I used
>>> to
>>> work with a half Greek, half Mexican CAD drafter, a much younger fellow,
>>> and

>>> that's what he used to
>>> call me.(G)
>>>
>>> Harold
>>> KD5SAK
>>>
>
>
> ----------
>
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6157. Re: Feedline passthru window solutions

Yahoo group: ham-antennas (2008)
Date: 2008-10-02 03:18:00 UTC
From: ke4vyn
Topic: 6089 Message: 6157

Also, please remember the 'old' way of just disconnecting your coax from your rig IS NOT a good thing.

A strike, if it should happen to find its way to your coax; will jump to whatever ground you have inside with a fire igniting spark.

Trust me, you dont want a strike looking for a ground in your living room!!

Lee
KE4VYN

6158. Re: [ham-antennas] Re: Feedline passthru window solutions

Yahoo group: ham-antennas (2008)
Date: 2008-10-02 05:46:47 UTC
From: Steve Friis
Topic: 6089 Message: 6158

If you don't believe ke4vyn, let me tell you about a guy I knew years ago in El Paso, TX. This guy was a CBer, not a ham, but his lesson is just as good.

He put up a ground plane on the balcony of his appartment using a flag pole to get it just over the top of the roof. Then he had the coax coming into the living room through one of those glass sliding doors. He had removed the coax from the back of the CB because of the storm, and just let it lay on the floor of his apartment.

Well, a thunderstorm did come that day, and he did his routine of pulling the coax off of the radio.

During this storm, a bolt of lightning did indeed hit his antenna, bringing the surge of energy into his apartment. Robert had just left to get his mail and he told me he was on the stair case going down to the courtyard. After he recovered from the huge flash, and very very loud band, he realized he wasn't hurt, so he went back inside the apartment and began to take a survey of the damage. What he saw was so amazing, you had to see it to comprehend the amount of destruction done to his living room, and also the kitchen and even the bedroom. All within less than a couple of milliseconds. Here is what I saw.

The coax was a very stiff blackened fused and melted pile of black copper and insulation. It was stuck to the linoleum. There were signs that the lightning had arced over to the door frame as there was a melted hole in the frame where the coax penetration had been. Along the wall behind the couch, the nails that held the Sheetrock up were blown out, left hanging protruding from their holes. The paint from the floor up to each nail was blistered and pealing. The couch was now sagging badly. This is because the springs inside the cushions were burned and broken. There were burnt circles where the tops of the coiled springs used to be. Under the couch, where an empty beer can laid, the top was removed as if someone had used a cutting torch. The lamp on one of the end tables no longer had a cord. It was burnt off. The bulb was still good though. The TV set was totally gutted, and it was on the other side of the room from the coax and couch. Behind the wall where the TV was is the kitchen. The refrigerator motor was burned out. The AM clock radio he had in the kitchen was burned out. The handles on the kitchen sink showed signs of being burned. On the patio, there was a pile of melted metal, which I am guessing was his flag pole and antenna. All of the wiring in that apartment was damaged, and all of the outlets in all of the rooms in his apartment had to be replaced. They were fused and you couldn't unplug anything that was plugged into them. The only thing not damaged? A lava lamp on the other end table. Why? God only knows.

The down stairs apartment suffered some of the same type of damage, as
the lightning went through the concrete floor to the lower level.

If there had been anyone home, they would have died. It is only because
he left to go down stairs to get his mail that he wasn't electrocuted.

Take heed, protect and keep that stuff outside your homes.

Steve Friis
Amateur Call WM5Z
APRS WM5Z-1 Las Cruces Igate | APRS WM5Z-2 Home | APRS WM5Z-3 RV | APRS WM5Z-15 Weather

These are the humble rantings of an El Viejo Pedoro (old fart) and in no way should they
influence the actions of any intelligent and sane person.

ke4vyn wrote:
> Also, please remember the 'old' way of just disconnecting your coax
> from your rig IS NOT a good thing.
>
> A strike, if it should happen to find its way to your coax; will jump
> to whatever ground you have inside with a fire igniting spark.
>
> Trust me, you dont want a strike looking for a ground in your living
> room!!
>
> Lee
> KE4VYN
>
>
> ---
>
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6159. Re: [ham-antennas] Re: Feedline passthru window solutions

Yahoo group: ham-antennas (2008)
Date: 2008-10-02 06:14:12 UTC
From: jerry
Topic: 6089 Message: 6159

when i was much younger everything was on knife switches , poser,antennas etc and when we shut down we jus opened all the knife switches, as i recall some of the double knife switches had a ground connecton on one side
jerry

----- Original Message ----
From: Ken Burchfield <k5jxl@...>
To: ham-antennas@yahoogroups.com
Sent: Wednesday, October 1, 2008 10:52:26 AM
Subject: Re: [ham-antennas] Re: Feedline passthru window solutions

Rich way to go:
Years ago when I worked commercial Microwave...we had a similar feed of ac to the AC units different we had a timer that delayed after Loss of ac. so that the surge did not occur and kill the AC units....Airconx did not have time to unload... now smarth Termostats on the market .Your scheme is good for getting away from the killer surges....73 Ken.....just my 2

Like your tag line that works for me!!!
PacketRadio is Still Alive.....Mississippi.....145.010.....Simplex.....1200 Baud

----- Original Message ----
From: Richard Schmuke <rdj@...>
To: ham-antennas@yahoogroups.com
Sent: Wednesday, October 1, 2008 11:39:28 AM
Subject: RE: [ham-antennas] Re: Feedline passthru window solutions

I am no expert , nor do I play one on TV, but I would install a ground rod outside as close to my shack as I could. You can discuss rules an regs until you are blue in the face but direct to ground is good. I have mine that way , it is also with the house ground thru my surge protector. I also have my radio and computer power thru a relay set up and if I lose power in this rural area, the relay drops out and nothing will power up or reboot unless I press the reset button. The main relay is a 4 pole and it supply?s it?s own solenoid thru a pole, with a panic button and reset button. This way my satellite internet uplink modem , printers and things are all off line if I am not home and there is a storm.

Rich , KD?ZZ

Disclaimer: Any errors in spelling or facts are transmission errors.

[Non-text portions of this message have been removed]

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[Non-text portions of this message have been removed]

6160. Ladder line

Yahoo group: ham-antennas (2008)
Date: 2008-10-02 12:34:49 UTC
From: Paulo T Castro
Topic: 6160 Message: 6160

Hi all of the list,

Someone that work or have worked with G5RV antenna can tell me what´s the better type of ladder line to use in one G5RV in inverted V config?

The question is, 300ohm or 450ohm???

That´s all and thank´s a lot.

73s and many DX.
Paulo T Castro (Paul)
PU2RDX - Bauru - SP
Brazil
GG57lq

6161. Re: [ham-antennas] Ladder line

Yahoo group: ham-antennas (2008)
Date: 2008-10-02 13:27:53 UTC
From: Chris
Topic: 6160 Message: 6161

It won't matter as long as it is the proper resonant stub it needs to be. The length will vary depending on the velocity factor of the line.

I would go with 450 Ohm and follow this link as it explains how to get it just right as far as the length goes through testing with an analyzer.

http://www.vk1od.net/G5RV/optimising.htm

Owen has a lot of great info on that site in general.

On Thu, Oct 2, 2008 at 8:34 AM, Paulo T Castro <ptcpilot@hotmail.com> wrote:
> Hi all of the list,
>
>
> Someone that work or have worked with G5RV antenna can tell me what´s
> the better type of ladder line to use in one G5RV in inverted V
> config?
>
> The question is, 300ohm or 450ohm???
>
>
> That´s all and thank´s a lot.
>
> 73s and many DX.
> Paulo T Castro (Paul)
> PU2RDX - Bauru - SP
> Brazil
> GG57lq
>
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> ------------------------------------
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6162. Re: [ham-antennas] Ladder line

Yahoo group: ham-antennas (2008)
Date: 2008-10-02 13:44:41 UTC
From: Steve Friis
Topic: 6160 Message: 6162

450 Ohm window line is more rugged. Either one will work equally well.

Steve Friis
Amateur Call WM5Z
APRS WM5Z-1 Las Cruces Igate | APRS WM5Z-2 Home | APRS WM5Z-3 RV | APRS WM5Z-15 Weather

These are the humble rantings of an El Viejo Pedoro (old fart) and in no way should they influence the actions of any intelligent and sane person.

Paulo T Castro wrote:
> Hi all of the list,
>
>
> Someone that work or have worked with G5RV antenna can tell me what?s
> the better type of ladder line to use in one G5RV in inverted V
> config?
>
> The question is, 300ohm or 450ohm???
>
>
> That?s all and thank?s a lot.
>
> 73s and many DX.
> Paulo T Castro (Paul)
> PU2RDX - Bauru - SP
> Brazil
> GG57lq
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>
> ----------
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6163. RE: [ham-antennas] Re: Feedline passthru window solutions

Yahoo group: ham-antennas (2008)
Date: 2008-10-02 13:47:17 UTC
From: Richard Schmuke
Topic: 6089 Message: 6163

When I disconnect the feed lines it is after they have gone through a coax switch set to ground and before my SWR meters so the coax is grounded and the rig is not connected. I set up my relay system for power after listing to my scanner, laser printer and inkjet printer restart several times during a storm. Being in a rural area the Co-op power grid is not the best when a storm comes through but they are nicer to deal with when there is a real problem than the big power company in the city.

Rich , KDØZZ

Disclaimer: Any errors in spelling or facts are transmission errors.

On Behalf Of ke4vyn
Subject: [ham-antennas] Re: Feedline passthru window solutions

Also, please remember the 'old' way of just disconnecting your coax from your rig IS NOT a good thing.

A strike, if it should happen to find its way to your coax; will jump to whatever ground you have inside with a fire igniting spark.

Trust me, you dont want a strike looking for a ground in your living room!!

Lee
KE4VYN

[Non-text portions of this message have been removed]

6164. Re: [ham-antennas] Ladder line

Yahoo group: ham-antennas (2008)
Date: 2008-10-02 13:53:30 UTC
From: Chris
Topic: 6160 Message: 6164

I would also add to go for the stranded 14ga 450 Ohm and not the solid core. The solid core stresses when bent and will break fairly easily from repeated movement.

On Thu, Oct 2, 2008 at 9:44 AM, Steve Friis <wm5z@comcast.net> wrote:
> 450 Ohm window line is more rugged. Either one will work equally well.
>
>
> Steve Friis
> Amateur Call WM5Z
> APRS WM5Z-1 Las Cruces Igate | APRS WM5Z-2 Home | APRS WM5Z-3 RV | APRS WM5Z-15 Weather
>
> These are the humble rantings of an El Viejo Pedoro (old fart) and in no way should they influence the actions of any intelligent and sane person.
>
>
>
> Paulo T Castro wrote:
>> Hi all of the list,
>>
>>
>> Someone that work or have worked with G5RV antenna can tell me what´s
>> the better type of ladder line to use in one G5RV in inverted V
>> config?
>>
>> The question is, 300ohm or 450ohm???
>>
>>
>> That´s all and thank´s a lot.
>>
>> 73s and many DX.
>> Paulo T Castro (Paul)
>> PU2RDX - Bauru - SP
>> Brazil
>> GG57lq
>>
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>> ------------------------------------
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6165. Re: Ladder line

Yahoo group: ham-antennas (2008)
Date: 2008-10-02 16:02:35 UTC
From: k9qb
Topic: 6160 Message: 6165

--- In ham-antennas@yahoogroups.com, "Paulo T Castro" <ptcpilot@...>
wrote:
The choice will require that you pay attention to the velocity factor
to determine the correct dimensions and the power handling ability if
you plan on running quite a bit more than the standard 100 to 200
watt transceiver outputs...

Otherwise, either is fine.

Mike, WA5PSE

>
> Hi all of the list,
>
>
> Someone that work or have worked with G5RV antenna can tell me
what´s
> the better type of ladder line to use in one G5RV in inverted V
> config?
>
> The question is, 300ohm or 450ohm???
>
>
> That´s all and thank´s a lot.
>
> 73s and many DX.
> Paulo T Castro (Paul)
> PU2RDX - Bauru - SP
> Brazil
> GG57lq
>

6166. Re: Ladder line

Yahoo group: ham-antennas (2008)
Date: 2008-10-02 16:48:10 UTC
From: Paulo T Castro
Topic: 6160 Message: 6166

Thank´s a lot for the infos!

I´ll try with 450ohms first.

73s and MDX.

Paul PU2RDX
Bauru - SP - Brazil.
GG57lq

--- In ham-antennas@yahoogroups.com, "Paulo T Castro" <ptcpilot@...>
wrote:
>
> Hi all of the list,
>
>
> Someone that work or have worked with G5RV antenna can tell me what
´s
> the better type of ladder line to use in one G5RV in inverted V
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>
> The question is, 300ohm or 450ohm???
>
>
> That´s all and thank´s a lot.
>
> 73s and many DX.
> Paulo T Castro (Paul)
> PU2RDX - Bauru - SP
> Brazil
> GG57lq
>

6167. Lightning protection - off the subject of ham radio.

Yahoo group: ham-antennas (2008)
Date: 2008-10-02 17:26:10 UTC
From: vaclav sal
Topic: 6089 Message: 6167

?
I very much enjoyed and learned a lot from the current discussion on ham equipment protection against lightning strike.
I recall an article in QST that described in details what direct strike does to anything metallic in its path.
Since I moved to Texas I have experienced few "severe weather" thunderstorms.
What bothers me - the lightning rods, so common in my country of birth are nonexistent here!
The irony - the only true lightning rod protection can be seen on church in Texas ghost town of Praha! (I was born in Czech town of Praha!)
The other sites using lightning rods are electrical substations with ?vertical antennas?.
?
It is my understanding that lightning rods actually prevent direct strike by discharging the static electricity buildup before it becomes high enough to cause the big spark.
?
Would be nice to hear story about direct strike into ham shack e/w lighting rods.
?
I would like to add my favorite Mark Twain quote?
?The thunder is bold and noisy but it is the lighting who does the work?
?
73 Vaclav AA7EJ ex OK1KDG
?

[Non-text portions of this message have been removed]

6168. First Wire antenna

Yahoo group: ham-antennas (2008)
Date: 2008-10-02 18:23:47 UTC
From: Norm Blitch
Topic: 6160 Message: 6168

Givens:

My personal sked rarely allows me time to use 80 or 160...

Rig Yaesu FT-840 with FC-10 tuner...

Inverted V dipole OR G5RV style hoisted to about 14' AGL, ends prolly
5' AGL...

Property and siting decree wire will be N-S oriented, or "bent" to NE
and SE and angling upwards to the West, OR sloper running SE, E or NW...

Realizing that there is NO ONE antenna that is all things to all folks,
what are is my first choice for a SINGLE antenna to best use 40-10?

Will be running QRP to 100 watts, located in North FL, EM90.

73 de Norm KE4GAH

6169. Re: [ham-antennas] Lightning protection - off the subject of ham radio.

Yahoo group: ham-antennas (2008)
Date: 2008-10-02 20:10:50 UTC
From: Steve Friis
Topic: 6089 Message: 6169

Vaclav,

To answer your question below, you are correct. That is what a lightning rod tries to do. They were invented by Benjamin Franklin. It gives a path to ground to dissipate the ionization, which if allowed to build would discharge in a spark.

It is debated whether they are more effective when made with a sharp point or if they still work with a dull point. I tend to favor a very sharp point myself.

I see lots of lightning rods here in Las Cruces, NM. Mostly on high rise buildings. The power company also uses them on the steel towers used for the power grid.

Steve Friis
Amateur Call WM5Z
APRS WM5Z-1 Las Cruces Igate | APRS WM5Z-2 Home | APRS WM5Z-3 RV | APRS WM5Z-15 Weather

These are the humble rantings of an El Viejo Pedoro (old fart) and in no way should they influence the actions of any intelligent and sane person.

vaclav sal wrote:
>
>
> It is my understanding that lightning rods actually prevent direct strike by discharging the static electricity buildup before it becomes high enough to cause the big spark.
>
> 73 Vaclav AA7EJ ex OK1KDG
>
>
>
>
>
> [Non-text portions of this message have been removed]
>
>
> ---
>
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6170. Re: [ham-antennas] Lightning protection - very much a subject for ham radio.

Yahoo group: ham-antennas (2008)
Date: 2008-10-02 21:47:51 UTC
From: Stan Labinsky Jr.
Topic: 6170 Message: 6170

Correct Steve, the sharper the better as it increases the... oh, call it tension, the intensity of the electric field by concentrating it at the point.
I'm trying to remember where, but very recently I saw a device which looked like a metallic softball studded with... oh, looked like two inch sharpened spikes, like an enraged porcupine. The demonstrator declared that it was more effective than the single point... but I'd not want to test it here. ;-)

Stan

----- Original Message -----
From: Steve Friis
To: ham-antennas@yahoogroups.com
Sent: Thursday, October 02, 2008 4:10 PM
Subject: Re: [ham-antennas] Lightning protection - off the subject of ham radio.

Vaclav,

To answer your question below, you are correct. That is what a lightning rod tries to do. They were invented by Benjamin Franklin. It gives a path to ground to dissipate the ionization, which if allowed to build would discharge in a spark.

It is debated whether they are more effective when made with a sharp point or if they still work with a dull point. I tend to favor a very sharp point myself.

I see lots of lightning rods here in Las Cruces, NM. Mostly on high rise buildings. The power company also uses them on the steel towers used for the power grid.

Steve Friis
Amateur Call WM5Z
APRS WM5Z-1 Las Cruces Igate | APRS WM5Z-2 Home | APRS WM5Z-3 RV | APRS WM5Z-15 Weather

These are the humble rantings of an El Viejo Pedoro (old fart) and in no way should they influence the actions of any intelligent and sane person.

vaclav sal wrote:
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>
> It is my understanding that lightning rods actually prevent direct strike by discharging the static electricity buildup before it becomes high enough to cause the big spark.
>
> 73 Vaclav AA7EJ ex OK1KDG
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>

>
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> [Non-text portions of this message have been removed]
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[Non-text portions of this message have been removed]

6171. Re: [ham-antennas] Lightning protection - very much a subject for ham radio.

Yahoo group: ham-antennas (2008)
Date: 2008-10-02 22:40:48 UTC
From: Steve Friis
Topic: 6170 Message: 6171

Yea, seen those installed. The one on the TV tower on Sandia Crest was closer to 10" in diameter. I discribe it like a kush-ball.

The company that makes those says they garantee it's efectiveness, but I can not for the life of me remember who makes those.

I think I would go with a good quality single lightning rod on the tower, and several around the parimeter of the roof, especially at the peak. The one on the tower would have the copper strap to ground. On the roof I'd use what comes in the kit, which is sort of like copper wire rope, or copper braid with a hollow diameter of 3/4 inch.

I have seen where a building had these on it's roof, and a shorter building across the ally was the one struck. So, they must be somewhat effective.

At an FM station where I was CE, we got hit by multiple strikes during a very severe thunderstorm. The lightning rod must have taken quite a few hits. It was so badly burned that the top 10" or so was gone. That station's auto-logger showed 21 power drop-offs. I figure that is the number of strikes we took. The station next to ours lost their antenna and a feed line. The 3 1/4" coax melted in two in a couple of places, and the whole coax from the antenna to the drip loop was split. I figure the current was so high that it heated up the coax gas (nitrogen) and caused it to burst. We normally keep 3-4 PSI charge in the coax so that it never sees a negative pressure and sucks in moisture.

Sandia Crest is at 10,678 feet, plus the 200' tower, really puts the antenna right where the stuff wants to discharge. You really need to be on a mountain top during a TS for an experience you'll not likely forget any time soon.

Steve Friis
Amateur Call WM5Z
APRS WM5Z-1 Las Cruces Igate | APRS WM5Z-2 Home | APRS WM5Z-3 RV | APRS WM5Z-15 Weather

These are the humble rantings of an El Viejo Pedoro (old fart) and in no way should they influence the actions of any intelligent and sane person.

Stan Labinsky Jr. wrote:
> Correct Steve, the sharper the better as it increases the... oh, call it tension, the intensity of the electric field by concentrating it at the point.
> I'm trying to remember where, but very recently I saw a device which looked like a metallic softball studded with... oh, looked like two inch sharpened spikes, like an enraged porcupine. The demonstrator declared that it was more effective than the single

point... but I'd not want to test it here. ;-)
>
> Stan
>
> ----- Original Message -----
> From: Steve Friis
> To: ham-antennas@yahoogroups.com
> Sent: Thursday, October 02, 2008 4:10 PM
> Subject: Re: [ham-antennas] Lightning protection - off the subject of ham radio.
>
>
> Vaclav,
>
> To answer your question below, you are correct. That is what a lightning
> rod tries to do. They were invented by Benjamin Franklin. It gives a
> path to ground to dissipate the ionization, which if allowed to build
> would discharge in a spark.
>
> It is debated whether they are more effective when made with a sharp
> point or if they still work with a dull point. I tend to favor a very
> sharp point myself.
>
> I see lots of lightning rods here in Las Cruces, NM. Mostly on high rise
> buildings. The power company also uses them on the steel towers used for
> the power grid.
>
> Steve Friis
> Amateur Call WM5Z
> APRS WM5Z-1 Las Cruces Igate | APRS WM5Z-2 Home | APRS WM5Z-3 RV | APRS WM5Z-15 Weather
>
> These are the humble rantings of an El Viejo Pedoro (old fart) and in no way should they
influence the actions of any intelligent and sane person.
>
> vaclav sal wrote:
>
>> It is my understanding that lightning rods actually prevent direct strike by discharging
the static electricity buildup before it becomes high enough to cause the big spark.
>>
>> 73 Vaclav AA7EJ ex OK1KDG
>>
>>
>>
>>
>>
>> [Non-text portions of this message have been removed]
>>
>>
>> ------------------------------------
>>
>> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 1446
members (as of 9/26/08, and attachments are NOT permitted.

>> Post message: ham-antennas@yahoogroups.com
>> Subscribe: ham-antennas-subscribe@yahoogroups.com
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> [Non-text portions of this message have been removed]
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> ---
>
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>

6172. Re: [ham-antennas] Lightning protection - off the subject of ham radio.

Yahoo group: ham-antennas (2008)
Date: 2008-10-03 01:12:59 UTC
From: Andy
Topic: 6089 Message: 6172

The use of lightning rods appears to be very dependent on where you live. I grew up in a town in Connecticut where all the houses had them. Then in Massachusetts I noticed none of them did. Then moved to another town in MA and saw that many of them did. I remember even being told that tree branches over your house protect it from being hit, negating the need for lightning rods. (But then why is it so bad for people to take shelter under a tree, and why do so many people die doing so?!)

I believe that the question of rounded vs. pointed lightning rods remains highly debated, to this day in some circles. I've read it is even outlawed in some states to have one form or the other. (Not that those particular ancient laws are still observed.) I think that the theory of the rounded ones is to not use a point (which concentrates the electric field and actually encourages a lower level discharge at its point) on the theory that it might cause or somehow encourage a lightning strike.

> Would be nice to hear story about direct strike into ham shack e/w
> lighting rods.

Sorry, no experience I can share. But I've read some interesting stories about hams who disconnected their feedlines (but didn't ground them) and then saw significant sparking and/or corona-like glows around them.

A direct strike typically burns your house down. It probably also melts your rig, not that it matters since everything goes up in smoke anyway. The amount of energy released by a direct strike is virtually impossible for your house to survive, which is why lightning protection is intended to *prevent* strikes, not absorb them.

Andy

6173. Ant model

Yahoo group: ham-antennas (2008)
Date: 2008-10-03 07:25:02 UTC
From: Forrest Plumstead
Topic: 6173 Message: 6173

Can anybody send me a link for a download of a freeware ant model?

--
Sent from Gmail for mobile | mobile.google.com

Forrest Plumstead fplum1@...
PLUMSTEAD-L List master
http://lists.rootsweb.com/index/surname/p/plumstead.html
Plumstead and Associated Families:
http://freepages.genealogy.rootsweb.com/~fplum/
Military Kool Lynx: http://geocities.com/fplum/
Ham Radio WB5HQO http://forrest.3h.com/main.html
Photos: http://myspace.com/fplum7755

6174. Re: [ham-antennas] Ant model

Yahoo group: ham-antennas (2008)
Date: 2008-10-03 13:37:03 UTC
From: Chris
Topic: 6173 Message: 6174

http://mmhamsoft.amateur-radio.ca/mmana/index.htm

On Fri, Oct 3, 2008 at 3:25 AM, Forrest Plumstead <fplum1@...> wrote:
> Can anybody send me a link for a download of a freeware ant model?
>
> --

6175. Re: Lightning protection - very much a subject for ham radio.

Yahoo group: ham-antennas (2008)
Date: 2008-10-03 13:42:06 UTC
From: Randy McKenzie
Topic: 6170 Message: 6175

One of the trade names I heard was "Static Cat"

The theory is that with a good ground and a GOOD conductor up the tower to these static balls is they allow the lighting to discharge thru them and not the tower. The idea was explained to je as the static charge between ground and the clouds build, the electricical charge flows to the points of the ball and then arcs over to the cloud. Thus by semi controlling the route it avoids our precious equipment.

My days in broadcast engineering I saw several of these. The ones that worked had very good ground systems around the tower and a large low impedance conductor up the tower. It requires much more than just a few ground rods for it to be effective.

And before Im flamed, the US Navy had reports about lighting: Some lighting goes from ground to cloud, some goes from cloud to ground, and then the third goes from cloud to cloud.

I think too many think the ground rod does the work. My professional opinion is this: Its the surface area contact with mother earth that gives us a ground. The ground rods provide a large area of contact but often its the bare conductor buried below the sod that actually gives the better connection.

If you are using one ground rod and a small conductor and think thats enough ground, Ill smile and say "nice fuse"

Randy
KK4EJ

--- In ham-antennas@yahoogroups.com, Steve Friis <wm5z@...> wrote:
>
> Yea, seen those installed. The one on the TV tower on Sandia Crest
was
> closer to 10" in diameter. I discribe it like a kush-ball.

6176. Re: [ham-antennas] Lightning protection - off the subject of ham radio.

Yahoo group: ham-antennas (2008)
Date: 2008-10-03 14:18:17 UTC
From: Stan Labinsky Jr.
Topic: 6089 Message: 6176

----- Original Message -----
From: Andy
To: ham-antennas@yahoogroups.com
Sent: Thursday, October 02, 2008 9:12 PM
Subject: Re: [ham-antennas] Lightning protection - off the subject of ham radio.

"The use of lightning rods appears to be very dependent on where you live. I grew up in a town in Connecticut where all the houses had them.

I remember even being told that tree branches over your house protect it from being hit, negating the need for lightning rods.

(But then why is it so bad for people to take shelter under a tree, and why do so many people die doing so?!)"

Ahhh Andy, a very good question... 'scuse me while I pounce on it! ;-)

Contrary to intuition, when a lightning stroke is dissipated into the ground, it doesn't just disappear. (Ground ain't really ground.)
It forms a gradient, just like the voltage drop experienced along a piece of wire conducting a large current.
So, coming from the tree's base (the area of highest potential) out a foot or so, you'll see a reduction in amplitude. And, so forth for each extra unit of distance from the tree.
Think a bunch of series connected resistor strings, all in parallel radiating from the strike point in all directions.
Cows standing in a field in the immediate vicinity of a strike have been electrocuted (so I"m told) because they were facing toward or away from the point of the strike. The reason given was that the voltage difference between their front and rear feet was sufficient that they became part of the circuit and the shock stopped their hearts.
So, when you hunker down in a field like you're told to when you feel the hair on your arms raising as a precursor to a strike, make sure that you face toward or away from the highest object (which might be the point of the strike)(like you're going to remember all this stuff anyway ;-)).
Oh, and keep your feet close together.

This plays into another point: Why use more than one ground rod to get rid of the blast? Well, because of that gradient effect.
Having more properly spaced rods will conduct the strike into a larger area, effectively reducing the "work" each parcel of ground has to perform to get rid of the energy.

Ohhhh!

Another "why not under the tree" I've heard of is that if you're close enough to the trunk, the lightning might "side flash" over to your more conductive body... OUCH!

73, and "watch out for that tree!"

Stan

6177. Re: [ham-antennas] Re: Lightning protection - very much a subject for ham radio.

Yahoo group: ham-antennas (2008)
Date: 2008-10-03 15:11:52 UTC
From: vaclav sal
Topic: 6170 Message: 6177

We either need some "mad scientist" or real experience with lighting rod or ball strikes.
?
Here is my part of reality.
?
When I first got into this hobby we had a commercial RX in our club station.
It had a neon tube, regular NE2 variety size of common glass fuse, connected directly from the antenna terminal to chassis ground.
We run a full size 80 meters Windom and during the lightning storm this neon flickered?with each strike near by. We never got a direct hit! And our only ground connection was to AC power outlet!
?
This experience proves, at least to me, that "size does not matter". As long as the discharge current stayed within the few mA of NE2 ?spark?. It also proves that the static potential is being discharged from the antenna area as soon as it gets above NE2 ?firing voltage? - somewhere bellow 100V.
Far cry from real lightning kilovolts!
?
I have observed similar setups on open wire telephone line strung along the railroad tracks.
?
So, the moral of these stories ? the lighting rod protection works. If you are from Missouri put a NE2 neon bulb from your antenna to ground and watch the minifireworks.
?
?
73 Vaclav AA7EJ

[Non-text portions of this message have been removed]

6178. Re: [ham-antennas] Lightning protection - off the subject of ham radio.

Yahoo group: ham-antennas (2008)
Date: 2008-10-03 15:23:08 UTC
From: Steve Friis
Topic: 6089 Message: 6178

>
> Another "why not under the tree" I've heard of is that if you're close
> enough to the trunk, the lightning might "side flash" over to your more
> conductive body... OUCH!
>
> 73, and "watch out for that tree!"
>
> Stan
Stan,

I have a different theory. My thought is that the tree is the primary of a transformer, and your body becomes the secondary. Since their is such a large current pulse flowing through the "primary" this air core transformer will produce a very large potential on the "secondary" of this transformer. Because of the internal resistance of the human body, it absorbs some of the current induced on the secondary and this energy has the potential (pun well intended) to destroy tissue. This can kill the poor victim.

In the early 1990's there was a girl killed on Sandia Crest, just out side of Albuquerque, NM when a lightning strike hit the southern-most tower. It induced a lethal voltage on the handrail of the lookout located about 200 yards to the south.

Steve Friis
Amateur Call WM5Z
APRS WM5Z-1 Las Cruces Igate | APRS WM5Z-2 Home | APRS WM5Z-3 RV | APRS WM5Z-15 Weather

These are the humble rantings of an El Viejo Pedoro (old fart) and in no way should they influence the actions of any intelligent and sane person.

6179. Re: [ham-antennas] Lightning protection - off the subject of ham radio.

Yahoo group: ham-antennas (2008)
Date: 2008-10-03 16:18:10 UTC
From: Stan Labinsky Jr.
Topic: 6089 Message: 6179

Y'know, Steve, I was going to posit that same thought, but wasn't sure if my surmise would hold water. (I had mentioned the transformer action as regards the down lead of a lightning rod system and the adjacent house power and signal wiring.)

Thanks for taking the lead on that.

Stan

----- Original Message -----
From: Steve Friis
To: ham-antennas@yahoogroups.com
Sent: Friday, October 03, 2008 11:23 AM
Subject: Re: [ham-antennas] Lightning protection - off the subject of ham radio.

>
> Another "why not under the tree" I've heard of is that if you're close
> enough to the trunk, the lightning might "side flash" over to your more
> conductive body... OUCH!
>
> 73, and "watch out for that tree!"
>
> Stan
Stan,

I have a different theory. My thought is that the tree is the primary of a transformer, and your body becomes the secondary. Since their is such a large current pulse flowing through the "primary" this air core transformer will produce a very large potential on the "secondary" of this transformer. Because of the internal resistance of the human body, it absorbs some of the current induced on the secondary and this energy has the potential (pun well intended) to destroy tissue. This can kill the poor victim.

In the early 1990's there was a girl killed on Sandia Crest, just out side of Albuquerque, NM when a lightning strike hit the southern-most tower. It induced a lethal voltage on the handrail of the lookout located about 200 yards to the south.

Steve Friis
Amateur Call WM5Z
APRS WM5Z-1 Las Cruces Igate | APRS WM5Z-2 Home | APRS WM5Z-3 RV | APRS WM5Z-15 Weather

These are the humble rantings of an El Viejo Pedoro (old fart) and in no way should they influence the actions of any intelligent and sane person.

[Non-text portions of this message have been removed]

6180. Hustler vertical -no radials

Yahoo group: ham-antennas (2008)
Date: 2008-10-03 18:55:17 UTC
From: dalepavlicek
Topic: 6180 Message: 6180

Here is my question,unless I want to dig up my pool and drive I have NO way of putting down the required radial field for a vertical like the hustler. Iam Interested in 40 meters for the vertical,have everything else covered with a 6 band hex beam. I thought about the sigma -40 vertical dipole ..big cost ,plus they are not building any for a while. I was putting in several light poles behind the house,next to the boat dock,dug the holes about 24 " deep and before I got the cement ready they filled 1/2 way with ground water. I asked around and was told thats the reason in sw flordia,there are no basements. Keeping 40 meter as the lowest band for the vertical, what would be the chances of decent performance for the hustler using a ground rod system for the antenna?? considering the high water table? Anybody have any other ideas they can offer for a vertical..don't want to use a gap or cushcraft with a huge counterpoise.
thanks for reading.
dale wt4t

6181. Re: [ham-antennas] Hustler vertical -no radials

Yahoo group: ham-antennas (2008)
Date: 2008-10-03 19:21:36 UTC
From: Chris
Topic: 6180 Message: 6181

The GAP titan is mediocre on 40m, I have one, but the counterpoise is hardly what I would consider huge, roughly 72" across or so. It has to be a lot smaller than a hex beam is. I simply pole mounted it high enough to walk under it while mowing.

I would really recommend a wire antenna instead though. Something like a double extended Zep or a double bazooka cut for 40m would work quite well, better than the GAP titan DX for sure. My 135' wire outperforms it on 40m consistently.

If you want vertical polarization a delta loop, fed properly would also be quite manageable for 40m size.

On Fri, Oct 3, 2008 at 2:55 PM, dalepavlicek <yash@...> wrote:
> Here is my question,unless I want to dig up my pool and drive I have NO
> way of putting down the required radial field for a vertical like the
> hustler. Iam Interested in 40 meters for the vertical,have everything
> else covered with a 6 band hex beam. I thought about the sigma -40
> vertical dipole ..big cost ,plus they are not building any for a while.
> I was putting in several light poles behind the house,next to the
> boat dock,dug the holes about 24 " deep and before I got the cement
> ready they filled 1/2 way with ground water. I asked around and was
> told thats the reason in sw flordia,there are no basements. Keeping 40
> meter as the lowest band for the vertical, what would be the chances of
> decent performance for the hustler using a ground rod system for the
> antenna?? considering the high water table? Anybody have any other
> ideas they can offer for a vertical..don't want to use a gap or
> cushcraft with a huge counterpoise.
> thanks for reading.
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>
>
> ----------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 1446
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> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
>

6182. Re: [ham-antennas] Lightning protection - off the subject of ham radio.

Yahoo group: ham-antennas (2008)
Date: 2008-10-03 20:27:52 UTC
From: paul glassman
Topic: 6089 Message: 6182

stan,
if you take it to the logical conclusion, when you feel the hair stand up on your body and youre near a tree, stand on one leg. that way you will only get your foot barbecued!!
better to be peg leg the pirate than chuck the conductor!

Stan Labinsky Jr. wrote:
> ----- Original Message -----
> From: Andy
> To: ham-antennas@ yahoogroups. com
> Sent: Thursday, October 02, 2008 9:12 PM
> Subject: Re: [ham-antennas] Lightning protection - off the subject of ham
> radio.
> "The use of lightning rods appears to be very dependent on where you live. I
> grew up in a town in Connecticut where all the houses had them.
> I remember even being told that tree branches over your house protect it
> from being hit, negating the need for lightning rods.
> (But then why is it so bad for people to take shelter under a tree, and why
> do so many people die doing so?!)"
> Ahhh Andy, a very good question... 'scuse me while I pounce on it! ;-)
> Contrary to intuition, when a lightning stroke is dissipated into the
> ground, it doesn't just disappear. (Ground ain't really ground.)
> It forms a gradient, just like the voltage drop experienced along a piece of
> wire conducting a large current.
> So, coming from the tree's base (the area of highest potential) out a foot
> or so, you'll see a reduction in amplitude. And, so forth for each extra
> unit of distance from the tree.
> Think a bunch of series connected resistor strings, all in parallel
> radiating from the strike point in all directions.
> Cows standing in a field in the immediate vicinity of a strike have been
> electrocuted (so I"m told) because they were facing toward or away from the
> point of the strike. The reason given was that the voltage difference
> between their front and rear feet was sufficient that they became part of
> the circuit and the shock stopped their hearts.
> So, when you hunker down in a field like you're told to when you feel the
> hair on your arms raising as a precursor to a strike, make sure that you
> face toward or away from the highest object (which might be the point of the
> strike)(like you're going to remember all this stuff anyway ;-)).
> Oh, and keep your feet close together.
> This plays into another point: Why use more than one ground rod to get rid
> of the blast? Well, because of that gradient effect.
> Having more properly spaced rods will conduct the strike into a larger area,
> effectively reducing the "work" each parcel of ground has to perform to get
> rid of the energy.
> Ohhhh!
> Another "why not under the tree" I've heard of is that if you're close

> enough to the trunk, the lightning might "side flash" over to your more
> conductive body... OUCH!
> 73, and "watch out for that tree!"
> Stan
>

6183. Re: [ham-antennas] Lightning protection - off the subject of ham radio.

Yahoo group: ham-antennas (2008)
Date: 2008-10-03 20:31:31 UTC
From: paul glassman
Topic: 6089 Message: 6183

stan,
if you take it to the logical conclusion, when you feel the hair stand up on your body and youre near a tree, stand on one leg. that way you will only get your foot barbecued!!
better to be peg leg the pirate than chuck the conductor!

Stan Labinsky Jr. wrote:
> ----- Original Message -----
> From: Andy
> To: ham-antennas@ yahoogroups. com
> Sent: Thursday, October 02, 2008 9:12 PM
> Subject: Re: [ham-antennas] Lightning protection - off the subject of ham
> radio.
> "The use of lightning rods appears to be very dependent on where you live. I
> grew up in a town in Connecticut where all the houses had them.
> I remember even being told that tree branches over your house protect it
> from being hit, negating the need for lightning rods.
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> This plays into another point: Why use more than one ground rod to get rid
> of the blast? Well, because of that gradient effect.
> Having more properly spaced rods will conduct the strike into a larger area,
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> Ohhhh!
> Another "why not under the tree" I've heard of is that if you're close

> enough to the trunk, the lightning might "side flash" over to your more
> conductive body... OUCH!
> 73, and "watch out for that tree!"
> Stan
>

6184. Re: [ham-antennas] Lightning protection - off the subject of ham radio.

Yahoo group: ham-antennas (2008)
Date: 2008-10-03 20:29:54 UTC
From: paul glassman
Topic: 6089 Message: 6184

stan,
if you take it to the logical conclusion, when you feel the hair stand up on your body and youre near a tree, stand on one leg. that way you will only get your foot barbecued!! better to be peg leg the pirate than chuck the conductor!

Stan Labinsky Jr. wrote:
> ----- Original Message -----
> From: Andy
> To: ham-antennas@ yahoogroups. com
> Sent: Thursday, October 02, 2008 9:12 PM
> Subject: Re: [ham-antennas] Lightning protection - off the subject of ham
> radio.
> "The use of lightning rods appears to be very dependent on where you live. I
> grew up in a town in Connecticut where all the houses had them.
> I remember even being told that tree branches over your house protect it
> from being hit, negating the need for lightning rods.
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> enough to the trunk, the lightning might "side flash" over to your more
> conductive body... OUCH!
> 73, and "watch out for that tree!"
> Stan
>

6185. Re: 20 meter dipole

Yahoo group: ham-antennas (2008)
Date: 2008-10-03 22:16:43 UTC
From: ab2zu
Topic: 6133 Message: 6185

I am even less of an expert, having my license only since yesterday...
(HI)

I am new to the group, and I am very happy to see this group here on
Yahoo. I was an Advanced class Ham (KC8VI) back in the Mid 80's
through the early 90's, then let it slide.... just recently got the
'bug' again, so went to a VE session on Saturday, took some tests..
and here I sit. This time around I want to do more building and
tinkering, and less sitting on traffic nets, etc. I want to do some
QRP work, and that, of course, means a strong emphasis on good antennas.

I agree with Allan, but would add that some ferrite beads (3-5 or so)
around the coax at a 1/4 wave and a 1/2 wave away from the feed point
would help also. Remember to take the coax velocity factor into
account when calculating the distances.

Everybody has there own situation and physical surroundings to deal
with, but if I were putting up that antenna, I would turn it 90
degrees, put one end about 35" up in the air, attach the other end
near the ground, run a 1/2 wave feedline (center fed still) off
towards the ground at about a 45" angle, with 3-4 ferrite beads around
it. At the halfwave point, I would drive a ground rod or two into the
ground, and ground the braid of the coax there, then run good coax
from there to my rig. Cheap, easy, low RF coming into the shack, very
low radiation angle... Right out of the ARRL Antenna book

Oh.. and not near the power lines either.

73

Nathan (now AB2ZU)

--- In ham-antennas@yahoogroups.com, "Allan Kissack" <lists-2008@...>
wrote:
>
> Brad,
>
> I am far from an expert having only had my license since May.
However I made a 20m dipole and fed it with some cheep RG58U, This
caused RF in the shack and this was resolved by replacing the coax
with much better screened RG58A/U and a choke at the antenna feed (20
torroids over the coax as discussed here http://www.dx-wire.de/brit/).
My RF problems are now sorted.
>
> If you can get an antenna analyser you can check the SWR at the
antenna feed and at the end of the feed line and that may be revealing?
>

> --
> Allan
> 2E0EAK
>
> ----- Original Message -----
> From: brad gass
> To: ham-antennas@yahoogroups.com
> Sent: Wednesday, October 01, 2008 6:40 PM
> Subject: [ham-antennas] 20 meter dipole
>
>
>
> Fellow Hams:
>
> I have a puzzling problem that I ask help to resolve. I
> recently PURCHASED a commecially made 20meter dipole. Without
> boaring everyone with the things that I have done, the Readers
> Digest version is, with a tuner in-line I can acheive a 1:4 to
> 1:8 SWR at 14.070 (psk), but without a tuner Its goes up to way
> over 3:5 - 3:8 swr. I have been told since there is nothing wrong
> with the antenna itself, and / or the feed line, I am told that its
> the electric feedline feeding my house , that is causeing the high
> swr as well as the reason that i am coming through my TV in my house.
>
> COMMENTS ???? Brad - N3JPL
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

6186. Re: [ham-antennas] Hustler vertical -no radials

Yahoo group: ham-antennas (2008)
Date: 2008-10-03 22:42:05 UTC
From: Stan Labinsky Jr.
Topic: 6180 Message: 6186

Dave, how tall is the tower that your beam is on?
At the OCARC's (Orange County Amateur Radio Club) field day site this spring we loaded up a 40 (+/-) foot flag pole on 40 mtrs. using a simple shunt feed system and a "T" match (two caps in series with an inductor to ground at the cap to cap junction).
IIRC it was featured on the ARRL's site a few months back.
Funny thing, it actually worked rather well for a simple non-grounded piece of fat aluminum pipe stuck up in the air.

Stan

----- Original Message -----
From: dalepavlicek
To: ham-antennas@yahoogroups.com
Sent: Friday, October 03, 2008 2:55 PM
Subject: [ham-antennas] Hustler vertical -no radials

Here is my question,unless I want to dig up my pool and drive I have NO way of putting down the required radial field for a vertical like the hustler. Iam Interested in 40 meters for the vertical,have everything else covered with a 6 band hex beam. I thought about the sigma -40 vertical dipole ..big cost ,plus they are not building any for a while. I was putting in several light poles behind the house,next to the boat dock,dug the holes about 24 " deep and before I got the cement ready they filled 1/2 way with ground water. I asked around and was told thats the reason in sw flordia,there are no basements. Keeping 40 meter as the lowest band for the vertical, what would be the chances of decent performance for the hustler using a ground rod system for the antenna?? considering the high water table? Anybody have any other ideas they can offer for a vertical..don't want to use a gap or cushcraft with a huge counterpoise.
thanks for reading.
dale wt4t

[Non-text portions of this message have been removed]

6187. VB-28FM balun information

Yahoo group: ham-antennas (2008)
Date: 2008-10-03 23:46:42 UTC
From: seth_otherpower
Topic: 6187 Message: 6187

Im looking for the coax length of the balun on a VB-28FM and the hairpin length too ....

Its listed as belden 8259 (50 ohm coax with velocity of .78) the coax really needs replaced, it is just falling apart.

KC7NOA

6188. Re: VB-28FM balun information

Yahoo group: ham-antennas (2008)
Date: 2008-10-03 23:53:40 UTC
From: seth_otherpower
Topic: 6187 Message: 6188

--- In ham-antennas@yahoogroups.com, "seth_otherpower"
<Patriot121@...> wrote:
>
> Im looking for the coax length of the balun on a VB-28FM and the
> hairpin length too ....
>
> Its listed as belden 8259 (50 ohm coax with velocity of .66) the coax
> really needs replaced, it is just falling apart.
>
> KC7NOA
>
had the wrong velocity factor, .66 .. so it should be 2.1" im thinking
.. but the hairpin im not sure how to calc out.

KC7NOA

6189. Re: Hustler vertical -no radials

Yahoo group: ham-antennas (2008)
Date: 2008-10-04 03:27:35 UTC
From: ash_lee52
Topic: 6180 Message: 6189

Elevate the antanna a few feet (5 would be ideal) then run two elevated radials for every band you want to use it on and the antenna will work beautifully. The radials don't have to be straight... bend them any which way you wish. Run them so they don't bother the pool. You can experiment using the hustler without radials.. if your ground is good enough it may play well. Moreover radials can be any length on the ground... more is better and longer is better, but shorter is better than none.

Option #2 run a buckmaster wire antanna off your tower should you want multiband coverage. Otherwise just run an inverted V off the tower. Even fairly low an inverted V can be a very effective antenna. In my experience wire generally beats aluminum.

I have the Sigma 40 . Works Ok but no better than my Hustler over very poor ground. If you want to try one they are easily made from wire with a bit of coil loading. I've used my Buddipole equipment (coils) to make one.

WW0AL Ash

--- In ham-antennas@yahoogroups.com, "dalepavlicek" <yash@...> wrote:
>
> Here is my question,unless I want to dig up my pool and drive I have NO
> way of putting down the required radial field for a vertical like the
> hustler. Iam Interested in 40 meters for the vertical,have everything
> else covered with a 6 band hex beam. I thought about the sigma -40
> vertical dipole ..big cost ,plus they are not building any for a while.
> I was putting in several light poles behind the house,next to the
> boat dock,dug the holes about 24 " deep and before I got the cement
> ready they filled 1/2 way with ground water. I asked around and was
> told thats the reason in sw flordia,there are no basements. Keeping 40
> meter as the lowest band for the vertical, what would be the chances of
> decent performance for the hustler using a ground rod system for the
> antenna?? considering the high water table? Anybody have any other
> ideas they can offer for a vertical..don't want to use a gap or
> cushcraft with a huge counterpoise.
> thanks for reading.

> dale wt4t
>

6190. Delta match on a half-square?

Yahoo group: ham-antennas (2008)
Date: 2008-10-04 14:05:42 UTC
From: Bruce Conner
Topic: 6190 Message: 6190

I'm thinking of putting up a half-square as a single band antenna, but I have a moderately long run to the shack and thought it might be better to run window line to reduce the loss for my QRP station. The half-square feedpoint is nominally 50 ohms, which is great for coax, but I got to wondering if maybe a delta match would work for the 450 ohm window line. That way I could use a single piece of wire for the antenna too, and avoid baluns, center insulators, etc.

I've never tried to calculate or model a delta match before, and the only examples I can find are for a simple dipole with the wires sticking straight off from one another. The top corner feed for the half-square would, to me at least, seem to present a different model since it has a 90 degree angle. (this is a "tails down" version of the half-square with the phasing wire on the top)

I'm still pretty new at antenna modeling software, so any help on figuring out how to put this into MMANA would really be appreciated. Is there any way to set up the antenna wire shape alone, and then deduce the correct points for attaching the feed for a 450 ohm delta (or T match). I can't seem to figure out how to know what the impedance is at any given distance along the wire, but I know the answer is staring me in the face.

73,
Bruce
WB8OGK

6191. moderators

Yahoo group: ham-antennas (2008)
Date: 2008-10-04 15:57:43 UTC
From: k9ttt@comcast.net
Topic: 6191 Message: 6191

Guys;
My email will be temporary disconnected. To avoid 6 zillion email in my box when I get back on line.....pllease drop me from the groups.
Thanks;
Dale K8TS

[Non-text portions of this message have been removed]

6192. Re: [ham-antennas] Ant model

Yahoo group: ham-antennas (2008)
Date: 2008-10-05 04:44:56 UTC
From: Forrest Plumstead
Topic: 6173 Message: 6192

On Fri, Oct 3, 2008 at 9:37 AM, Chris <kingsqueak@...> wrote:

> http://mmhamsoft.amateur-radio.ca/mmana/index.htm
>
>
> On Fri, Oct 3, 2008 at 3:25 AM, Forrest Plumstead <fplum1@...<fplum1%40gmail.com>>
> wrote:
> > Can anybody send me a link for a download of a freeware ant model?
> >
> > --
>
>
Hi Chris and Steve!

Steve I am still using Win 2000. I don't have enough memory to run Ubuntu
yet

Chris I downloaded the program and applied for MM-HAMSOFT yahoo group.
Thanks for the help.

Now on to lightening rods! How would I do that with a wire antenna. I have a
G5RV up about 37 feet. Currently I just unplug the ant when I am not using
it. However at my age I don't always remember to do that.

TNX 73s Forrest WB5HQO
--
Forrest Plumstead fplum1@...
PLUMSTEAD-L List master
http://lists.rootsweb.com/index/surname/p/plumstead.html
Plumstead and Associated Families:
http://freepages.genealogy.rootsweb.com/~fplum/
Military Kool Lynx: http://geocities.com/fplum/
Ham Radio WB5HQO http://forrest.3h.com/main.html
Photos: http://myspace.com/fplum7755

[Non-text portions of this message have been removed]

6193. G5RV feedline issues

Yahoo group: ham-antennas (2008)
Date: 2008-10-05 12:48:30 UTC
From: Norm Blitch
Topic: 6193 Message: 6193

I finally extracted my G5RV from "storage" in the garage; fortunately, I had put it away properly enough to flake it out in the backyard with little tangle.

...haven't hooked it up as yet (darkness fell), but hoisting the peak to the (sad) maximum of 14' AGL, I see that the twinlead stub is NOT going to be all hanging vertical as when I previously had it run from a tree.

What would the effect be of having some/all of the twin lead section coiled and/or horizontal relatively to the plane of the antenna??

73 de Norm KE4GAH

6194. Re: [ham-antennas] Ant model

Yahoo group: ham-antennas (2008)
Date: 2008-10-05 13:07:28 UTC
From: Steve Friis
Topic: 6173 Message: 6194

56 ant that old.

Lightning rod can be installed on top of each support. You do have
supports for the center and each end? you're not using magic sky hooks
are you?

Steve Friis
Amateur Call WM5Z
APRS WM5Z-1 Las Cruces Igate | APRS WM5Z-2 Home | APRS WM5Z-3 RV | APRS WM5Z-15 Weather

These are the humble rantings of an El Viejo Pedoro (old fart) and in no way should they
influence the actions of any intelligent and sane person.

Forrest Plumstead wrote:
> On Fri, Oct 3, 2008 at 9:37 AM, Chris <kingsqueak@...> wrote:
>
>
>> http://mmhamsoft.amateur-radio.ca/mmana/index.htm
>>
>>
>> On Fri, Oct 3, 2008 at 3:25 AM, Forrest Plumstead <fplum1@...<fplum1%40gmail.com>>
>> wrote:
>>
>>> Can anybody send me a link for a download of a freeware ant model?
>>>
>>> --
>>>
>>
>>
>>
> Hi Chris and Steve!
>
> Steve I am still using Win 2000. I don't have enough memory to run Ubuntu
> yet
>
> Chris I downloaded the program and applied for MM-HAMSOFT yahoo group.
> Thanks for the help.
>
> Now on to lightening rods! How would I do that with a wire antenna. I have a
> G5RV up about 37 feet. Currently I just unplug the ant when I am not using
> it. However at my age I don't always remember to do that.
>
> TNX 73s Forrest WB5HQO
>

6195. Antenna Good/Bad Weather Rule???

Yahoo group: ham-antennas (2008)
Date: 2008-10-05 13:33:45 UTC
From: Randy McKenzie
Topic: 6195 Message: 6195

OK, I admit it, I broke the rule and had to pay the price!

Saturday was a wonderful day here: sunny, low 70's, clear skies, and I finished my "honey do" list by 1pm.....So of course I decided to experiment with some antenna items.....

I have collected several parts from antenna projects over the years: A old HF vert, a broken 6M, and some odds and ends AL sections.

The idea was to use the odd parts and create a simple ground plane for 20M. I made some wire ground radials earlier this week....added the four radials to the base of the mount.....

I found that the tubing would work together and the first adustment put the vertical radiator at 16.5 ft. Should work OK and then tune from there right? Such a nice day, the birds singing, so comfy, even had a cool drink admiring my idea.....

Assembly was using a old tripod, mounted onto a old pallet, and a 10ft TV mast. The original HF mount was used and it already had a SO239 for my coax. Simple basic ground plane, 10ft off the ground right? Should load nicely.....so I gathered my coax and MFJ.

SWR was terrible! Lowest anywhere was 4 to 1 at 6mhz. No way a ground plane wouldnt load right? So I took it down and started pondering.

I ended up tearing the base connector apart to find a blown up loading coil and corroded connections inside the insulator. So I cut all this out, replaced it with a simple jumper from the center of the SO239 to the element. Years ago the HF antenna was givien to me, now I know why!

Then the wife got back home, ending the playtime....."What in the world is all that mess?"

My plan of attack is to try it again today: Sunny, 70's and clear skies. Watch for the mushroom cloud over southwest VA.....

Im begging for trouble again, I just know it!!!!!!!

Randy
KK4EJ

6196. Re: [ham-antennas] G5RV feedline issues

Yahoo group: ham-antennas (2008)
Date: 2008-10-05 13:42:30 UTC
From: danny garvin
Topic: 6193 Message: 6196

having the feed line horizontal shouldn't affect the antenna that much if you can get it close to a right angle to the elements but you can not coil it this will dramatically change the impedance if the feed line. You must keep twin lead at least twice the width of the line distance from any metal 450 ohm ladder line is one inch wide so two inch distance minimum more would be better.
Danny
   WB9RIM

----- Original Message ----
From: Norm Blitch <normblitch@...>
To: ham-antennas@yahoogroups.com
Sent: Sunday, October 5, 2008 7:48:30 AM
Subject: [ham-antennas] G5RV feedline issues

I finally extracted my G5RV from "storage" in the garage; fortunately, I had put it away properly enough to flake it out in the backyard with little tangle.

...haven't hooked it up as yet (darkness fell), but hoisting the peak to the (sad) maximum of 14' AGL, I see that the twinlead stub is NOT going to be all hanging vertical as when I previously had it run from a tree.

What would the effect be of having some/all of the twin lead section coiled and/or horizontal relatively to the plane of the antenna??

73 de Norm KE4GAH

[Non-text portions of this message have been removed]

6197. Re: [ham-antennas] Antenna Good/Bad Weather Rule???

Yahoo group: ham-antennas (2008)
Date: 2008-10-05 13:48:19 UTC
From: danny garvin
Topic: 6195 Message: 6197

Don't you know it has to be below 28 degrees with a foot of snow on the ground for that to work what were you thinking! :)
Danny
   WB9RIM

----- Original Message ----
From: Randy McKenzie <kk4ej@...>
To: ham-antennas@yahoogroups.com
Sent: Sunday, October 5, 2008 8:33:45 AM
Subject: [ham-antennas] Antenna Good/Bad Weather Rule???

OK, I admit it, I broke the rule and had to pay the price!

Saturday was a wonderful day here: sunny, low 70's, clear skies, and I finished my "honey do" list by 1pm.....So of course I decided to experiment with some antenna items.....

I have collected several parts from antenna projects over the years: A old HF vert, a broken 6M, and some odds and ends AL sections.

The idea was to use the odd parts and create a simple ground plane for 20M. I made some wire ground radials earlier this week....added the four radials to the base of the mount.....

I found that the tubing would work together and the first adustment put the vertical radiator at 16.5 ft. Should work OK and then tune from there right? Such a nice day, the birds singing, so comfy, even had a cool drink admiring my idea.....

Assembly was using a old tripod, mounted onto a old pallet, and a 10ft TV mast. The original HF mount was used and it already had a SO239 for my coax. Simple basic ground plane, 10ft off the ground right? Should load nicely..... so I gathered my coax and MFJ.

SWR was terrible! Lowest anywhere was 4 to 1 at 6mhz. No way a ground plane wouldnt load right? So I took it down and started pondering.

I ended up tearing the base connector apart to find a blown up loading coil and corroded connections inside the insulator. So I cut all this out, replaced it with a simple jumper from the center of the SO239 to the element. Years ago the HF antenna was givien to me, now I know why!

Then the wife got back home, ending the playtime.... .."What in the world is all that mess?"

My plan of attack is to try it again today: Sunny, 70's and clear skies. Watch for the mushroom cloud over southwest VA.....

Im begging for trouble again, I just know it!!!!!!!

Randy
KK4EJ

[Non-text portions of this message have been removed]

6198. loop updates & phasing without a phasing unit

Yahoo group: ham-antennas (2008)
Date: 2008-10-05 13:59:10 UTC
From: DAVID
Topic: 6198 Message: 6198

hi and sorry if you are getting bored with the antenna updates but i spend more time tweaking/making antennas than i actually do listening.

the story so far the 7 by 6 feet multi turn loops are now down i have 2 single turn loops 1 nw and 1 w and yes even at that the difference is amazing.

both are fed with a 48/11 turn overlaping baluns and each has a 1000 ohm resistor in the opposite corner.

i cant get over the back rejection on these antennas i put a switch on the nw loop at the resistor so its inline and off and i sent my freind some clips of what it can do ie slovenia on 918 khz when the resistor is open its a s9 but put the resistor in use so the main lobe is nw its either not there or very weak in the noise and i think my friend is going to make one as well and join the group.

the next thing i am going to do is setup a series of switching so i can have all the directions just like a k9ay loop not to bad for antennas in the attic.

PHASING WITHOUT A PHASING UNIT

IF I PUT A SMALL 1X1 MULTI TURN LOOP WITH A TUNING CAP IN SIDE MY FLAG/LOOP AT THE FEED POINT OR RESISTOR I CAN EASILY NULL OUT STRONG LOCALS IE RADIO SCOTLAND

ON 810 KHz AND GET EUROPEAN SIGNALS. I MUST POINT OUT THAT THE RESISTOR IS IN THE OPEN POSITION IE NOT IN USE THIS SAVES ME BORROWING MY FRENDS MFJ ALL THE TIME LOL

david h ayrshire scotland
aor 7030 or perseus sdr
2 x flag/loops
palstar aa30

6199. RE: [ham-antennas] Antenna Good/Bad Weather Rule???

Yahoo group: ham-antennas (2008)
Date: 2008-10-05 13:59:31 UTC
From: Mike Besemer (WM4B)
Topic: 6195 Message: 6199

Or above 100 degrees with greater than 90 percent humidity.

Mike

WM4B

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of danny garvin
Sent: Sunday, October 05, 2008 9:48 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Antenna Good/Bad Weather Rule???

Don't you know it has to be below 28 degrees with a foot of snow on the ground for that to work what were you thinking! :)
Danny
WB9RIM

----- Original Message ----
From: Randy McKenzie <kk4ej@... <mailto:kk4ej%40yahoo.com> >
To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
Sent: Sunday, October 5, 2008 8:33:45 AM
Subject: [ham-antennas] Antenna Good/Bad Weather Rule???

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My plan of attack is to try it again today: Sunny, 70's and clear skies. Watch for the mushroom cloud over southwest VA.....

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Randy
KK4EJ

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

6200. Re: [ham-antennas] G5RV feedline issues

Yahoo group: ham-antennas (2008)
Date: 2008-10-05 14:25:11 UTC
From: Sam Cook
Topic: 6193 Message: 6200

I am running a G5RV at about 22ft in inverted-V with the twinlead stub/feedline HORIZONTAL. It is secured to a dacron line from the mast over to my tower, 75ft away. Been up for a couple of years.
I "design by dumb" and still get good signal reports. (I just do things without much engineering.) Have talked to Hawaii and Mississippi on it as well as local (~300mi) NVIS here in state of Missouri. Haven't tried it for DX.

Sam Cook, Milan, MO
Amateur Extra Class Radio Station AC?OK
ARES Official Emergency Station, Sullivan Co., MO
Military Affiliate Radio System (MARS) AAR7AO
FEMA IS-00100.a Certified
==========

Norm Blitch wrote:
> I finally extracted my G5RV from "storage" in the garage; fortunately,
> I had put it away properly enough to flake it out in the backyard with
> little tangle.
>
> ...haven't hooked it up as yet (darkness fell), but hoisting the peak
> to the (sad) maximum of 14' AGL, I see that the twinlead stub is NOT
> going to be all hanging vertical as when I previously had it run from a
> tree.
>
> What would the effect be of having some/all of the twin lead section
> coiled and/or horizontal relatively to the plane of the antenna??
>
> 73 de Norm KE4GAH

6201. 2 meter/10 meter

Yahoo group: ham-antennas (2008)
Date: 2008-10-05 15:59:56 UTC
From: Bill
Topic: 6201 Message: 6201

is there any truth that a 16" 2 meter mag mount will run 10 meters also?

6202. RE: [ham-antennas] 2 meter/10 meter

Yahoo group: ham-antennas (2008)
Date: 2008-10-05 16:05:27 UTC
From: Mike Besemer (WM4B)
Topic: 6201 Message: 6202

If you can get the SWR low enough, sure it'll work. It'll work LOUSY, but it'll radiate a tiny amount of RF.

Personally, I wouldn't waste my time on it. you can always pick up a CB antenna at a truck stop and trim it for 10 meters.

Mike

WM4B

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Bill
Sent: Sunday, October 05, 2008 12:00 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] 2 meter/10 meter

is there any truth that a 16" 2 meter mag mount will run 10 meters also?

[Non-text portions of this message have been removed]

6203. Re: [ham-antennas] Lightning protection - off the subject of ham radio.

Yahoo group: ham-antennas (2008)
Date: 2008-10-05 16:06:52 UTC
From: Andy
Topic: 6089 Message: 6203

> (But then why is it so bad for people to take shelter under a tree, and
why
> do so many people die doing so?!)"
>
>
> Ahhh Andy, a very good question... 'scuse me while I pounce on it! ;-)

My question was meant as a rhetorical one.

Thank you, Stan, for filling in a good explanation.

I once heard that some baseball players got struck while playing a game (not
the big leagues). Lightning hit the pitcher, who was killed. The rest of
the players got knocked on their asses but survived. If the story is true,
it helps illustrate the "spreading out" effect.

Andy

6204. AW: [ham-antennas] Delta match on a half-square?

Yahoo group: ham-antennas (2008)
Date: 2008-10-05 17:11:59 UTC
From: Siegfried Jackstien
Topic: 6190 Message: 6204

dear bruce
the tails down is a bobtail-curtain .... absolutely different from a
half-square
but if you have downloaded mmana it is easy to model ANY antenna....
or you take a ready made antenna and modify it like you need to do
best 73´s de dg9bfc
sigi
ps: if you have a bit of time to wait i can try to make a model for you and
send it via mail
-----Ursprüngliche Nachricht-----
Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]Im
Auftrag von Bruce Conner
Gesendet: Samstag, 4. Oktober 2008 14:06
An: ham-antennas@yahoogroups.com
Betreff: [ham-antennas] Delta match on a half-square?

I'm thinking of putting up a half-square as a single band antenna, but
I have a moderately long run to the shack and thought it might be
better to run window line to reduce the loss for my QRP station. The
half-square feedpoint is nominally 50 ohms, which is great for coax,
but I got to wondering if maybe a delta match would work for the 450
ohm window line. That way I could use a single piece of wire for the
antenna too, and avoid baluns, center insulators, etc.

I've never tried to calculate or model a delta match before, and the
only examples I can find are for a simple dipole with the wires
sticking straight off from one another. The top corner feed for the
half-square would, to me at least, seem to present a different model
since it has a 90 degree angle. (this is a "tails down" version of the
half-square with the phasing wire on the top)

I'm still pretty new at antenna modeling software, so any help on
figuring out how to put this into MMANA would really be appreciated.
Is there any way to set up the antenna wire shape alone, and then
deduce the correct points for attaching the feed for a 450 ohm delta
(or T match). I can't seem to figure out how to know what the
impedance is at any given distance along the wire, but I know the
answer is staring me in the face.

73,
Bruce
WB8OGK

[Non-text portions of this message have been removed]

6205. Re: [ham-antennas] 2 meter/10 meter

Yahoo group: ham-antennas (2008)
Date: 2008-10-05 16:11:43 UTC
From: Harold Burton
Topic: 6201 Message: 6205

I've got a dual band mag mount antenna that seems to work OK. It's 2 and 6 meter, though, and it's about a four footer. I don't see a 16 inch antenna working well much beyond the 2 meter band. I'm not in Mr. Cebiks league on antennas, however so someone else may give you a more optimistic view.

Harold
KD5SAK

----- Original Message -----
From: "Bill" <ki4uul@...>
To: <ham-antennas@yahoogroups.com>
Sent: Sunday, October 05, 2008 10:59 AM
Subject: [ham-antennas] 2 meter/10 meter

> is there any truth that a 16" 2 meter mag mount will run 10 meters also?

6206. Re: [ham-antennas] Re: Lightning protection - very much a subject for ham radio.

Yahoo group: ham-antennas (2008)
Date: 2008-10-05 16:19:00 UTC
From: Andy
Topic: 6170 Message: 6206

> We run a full size 80 meters Windom and during the lightning storm this
> neon flickered with each strike near by.

Anyone who has a guyed vertical, or who has worked at an AM radio station, probably knows that the guy wire egg insulators start arcing and sparking as a storm approaches. The sudden electric field from each strike, miles away, induces voltages in the guy wire sections, enough to overcome the breakdown voltage of a few inches across the insulators.

Many years ago I was halfway up on a broadcast tower when a storm was still more than 10 miles away at its closest. My co-worker and I started hearing buzzing noises with each distant strike, and when we looked at the insulators, we could see the little sparks. It was, well, interesting.... (In retrospect, we probably should have climbed down when the storm was still 50 miles away.)

Gas discharge tubes are often used to suppress stray voltages. I wonder how different they are from ordinary NE2 neon bulbs.

Andy

6207. Re: 2 meter/10 meter

Yahoo group: ham-antennas (2008)
Date: 2008-10-05 16:59:54 UTC
From: Bill
Topic: 6201 Message: 6207

Ok, how about tuning 2 meter mag mount? I have several full size
mag mounts, just looking for other otions. I am basically looking
fo a cheap but effective solution. Any ideas or diagrams on dipoles,
jpoles or ladder lines? Any help will be appreciated.

Thanks,

Bill Harrell
KI4UUL
ki4uul@...

--- In ham-antennas@yahoogroups.com, "Mike Besemer \(WM4B\)"
<mwbesemer@...> wrote:
>
> If you can get the SWR low enough, sure it'll work. It'll work
LOUSY, but
> it'll radiate a tiny amount of RF.
>
>
>
> Personally, I wouldn't waste my time on it. you can always pick up
a CB
> antenna at a truck stop and trim it for 10 meters.
>
>
>
> Mike
>
> WM4B
>
>
>
> From: ham-antennas@yahoogroups.com [mailto:ham-
antennas@yahoogroups.com] On
> Behalf Of Bill
> Sent: Sunday, October 05, 2008 12:00 PM
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] 2 meter/10 meter
>
>
>
> is there any truth that a 16" 2 meter mag mount will run 10 meters
also?
>
>
>

>
>
> [Non-text portions of this message have been removed]
>

6208. RE: [ham-antennas] Re: 2 meter/10 meter

Yahoo group: ham-antennas (2008)
Date: 2008-10-05 17:13:32 UTC
From: Richard Schmuke
Topic: 6201 Message: 6208

Bill , I make all my antennas , that is my main part of the hobby , but I am mixed up when you ask about a mag mount and dipole/jpole and ladder line in the same sentence. Ladder line makes nice and neat / cheap J-poles and slim jims but not with a mag mount. Where are trying to set this up , house , car ????

Rich , KDØZZ

Disclaimer: Any errors in spelling or facts are transmission errors.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Bill
Sent: Sunday, October 05, 2008 12:00 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: 2 meter/10 meter

Ok, how about tuning 2 meter mag mount? I have several full size mag mounts, just looking for other otions. I am basically looking fo a cheap but effective solution. Any ideas or diagrams on dipoles, jpoles or ladder lines? Any help will be appreciated.

Thanks,

Bill Harrell
KI4UUL
ki4uul@... <mailto:ki4uul%40gmail.com>

--- In ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
, "Mike Besemer \(WM4B\)"
<mwbesemer@...> wrote:
>
> If you can get the SWR low enough, sure it'll work. It'll work
LOUSY, but
> it'll radiate a tiny amount of RF.
>
>
>
> Personally, I wouldn't waste my time on it. you can always pick up
a CB
> antenna at a truck stop and trim it for 10 meters.
>
>
>
> Mike
>
> WM4B
>

>
>
> From: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
[mailto:ham-
antennas@yahoogroups.com <mailto:antennas%40yahoogroups.com>] On
> Behalf Of Bill
> Sent: Sunday, October 05, 2008 12:00 PM
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Subject: [ham-antennas] 2 meter/10 meter
>
>
>
> is there any truth that a 16" 2 meter mag mount will run 10 meters
also?
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

[Non-text portions of this message have been removed]

6209. Re: [ham-antennas] Re: Lightning protection - very much a subject for ham radio.

Yahoo group: ham-antennas (2008)
Date: 2008-10-05 18:27:15 UTC
From: Steve Friis
Topic: 6170 Message: 6209

Andy wrote:
>> We run a full size 80 meters Windom and during the lightning storm this
>> neon flickered with each strike near by.
>>
>
> Anyone who has a guyed vertical, or who has worked at an AM radio station,
> probably knows that the guy wire egg insulators start arcing and sparking as
> a storm approaches. The sudden electric field from each strike, miles away,
> induces voltages in the guy wire sections, enough to overcome the breakdown
> voltage of a few inches across the insulators.
>
> Many years ago I was halfway up on a broadcast tower when a storm was still
> more than 10 miles away at its closest. My co-worker and I started hearing
> buzzing noises with each distant strike, and when we looked at the
> insulators, we could see the little sparks. It was, well, interesting....
> (In retrospect, we probably should have climbed down when the storm was
> still 50 miles away.)
>
> Gas discharge tubes are often used to suppress stray voltages. I wonder how
> different they are from ordinary NE2 neon bulbs.
>
> Andy
>
>
>
The difference is in the amount of current and the firing voltage. I
think NE-2's fire at about 70 volts, but that is without the uranium
starter. They poison some types of neon lamps to make them fire at a
little lower voltage. Some lamps are made with argon and another gas
used is krypton. They even cascade some arc plugs to make the voltage
higher.

One thing that a lot of people forget is when these arc plugs fire,
there is contamination of the terminals on the inside of the plug caused
by erosion from the current and this can contaminate the plug. You
should count on having to change the plugs every so often. I change mine
in the spring each year, along with the smoke detector batteries. If you
are using those spark gap types, you really should replace them too. The
discharge will ware away the point on the screw, and then it won't fire
as easily. All cheap insurance.

--
Steve Friis
Amateur Call WM5Z

APRS WM5Z-1 Las Cruces Igate | APRS WM5Z-2 Home | APRS WM5Z-3 RV | APRS WM5Z-15 Weather

These are the humble rantings of an El Viejo Pedoro (old fart) and in no way should they influence the actions of any intelligent and sane person.

6210. Re: [ham-antennas] Re: Feedline passthru window solutions

Yahoo group: ham-antennas (2008)
Date: 2008-10-05 21:18:33 UTC
From: Phil Bader
Topic: 6089 Message: 6210

Yes, it's not the voltages, it's the potential differences between two or more points that causes the damages. Everything must be strapped to the same potential.
In our work we deal with school buildings' fire alarm and intercom systems. Schools are made up of seperate buildings all tied together by fire alarm and intercom wiring. Potential voltage differences from the main admin building and remote wings cause the problems with storms. We typically have sandy soil with poor conductivity here in central Florida. I have been fighting the argument that within even the metalic rigid conduits that interconnect the wings' wiring I wanted a heavy ground wire to be along with them and bolted to the terminal cabinets at both ends.
Phil B
Philip Bader
Polk County School Board
Intercom & Fire Alarm Electronics Systems
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakelandarc.org/
pbader@...

----- Original Message -----
From: Dean
To: ham-antennas@yahoogroups.com
Sent: Monday, September 29, 2008 11:08 PM
Subject: Re: [ham-antennas] Re: Feedline passthru window solutions

I think the NEC would go along with a Bonding
Cable (#6 or heaver) between your Shack Ground
and the Power Entrance Box.
As long as all things are Bonded together you should
have No Difference in Potential between the grounds.
Also, Remember that your CATV and you Phone
should also be bonded to the same ground.
Clamps under ground will corrode and should be
welded or brazed ...
Tie your tower base grounds Also into your new
system ground.
I worked in cellular and even with many hits on the
towers the equipment kept working with Good Grounds.

73 Dean W5GXL@...

On Sep 29, 2008, at 1:12 PM, Stan Labinsky Jr. wrote:
>
> I'm going to draw fire for saying / suggesting this as the NEC seems
> to allow for ONLY one grounding point for an electrical service.
> However that requirement does NOT take into account the multiple

> paths taken by the strike. I've seen the results of lightning
> finding its way to ground through the equipment and the wall outlet.
>

>

[Non-text portions of this message have been removed]

No virus found in this incoming message.
Checked by AVG - http://www.avg.com
Version: 8.0.173 / Virus Database: 270.7.5/1701 - Release Date: 9/30/2008 7:08 PM

[Non-text portions of this message have been removed]

6211. Re: [ham-antennas] Re: Feedline passthru window solutions

Yahoo group: ham-antennas (2008)
Date: 2008-10-05 21:19:55 UTC
From: Phil Bader
Topic: 6089 Message: 6211

By "fighting the argument" I meant I am FOR using the ground wire-not against it!
Phil B
Philip Bader
Polk County School Board
Intercom & Fire Alarm Electronics Systems
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakelandarc.org/
pbader@...

----- Original Message -----
From: Phil Bader
To: ham-antennas@yahoogroups.com
Sent: Sunday, October 05, 2008 5:18 PM
Subject: Re: [ham-antennas] Re: Feedline passthru window solutions

Yes, it's not the voltages, it's the potential differences between two or more points that causes the damages. Everything must be strapped to the same potential.
In our work we deal with school buildings' fire alarm and intercom systems. Schools are made up of seperate buildings all tied together by fire alarm and intercom wiring. Potential voltage differences from the main admin building and remote wings cause the problems with storms. We typically have sandy soil with poor conductivity here in central Florida. I have been fighting the argument that within even the metalic rigid conduits that interconnect the wings' wiring I wanted a heavy ground wire to be along with them and bolted to the terminal cabinets at both ends.
Phil B
Philip Bader
Polk County School Board
Intercom & Fire Alarm Electronics Systems
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakelandarc.org/
pbader@...

----- Original Message -----
From: Dean
To: ham-antennas@yahoogroups.com
Sent: Monday, September 29, 2008 11:08 PM
Subject: Re: [ham-antennas] Re: Feedline passthru window solutions

I think the NEC would go along with a Bonding
Cable (#6 or heaver) between your Shack Ground
and the Power Entrance Box.
As long as all things are Bonded together you should

have No Difference in Potential between the grounds.
Also, Remember that your CATV and you Phone
should also be bonded to the same ground.
Clamps under ground will corrode and should be
welded or brazed ...
Tie your tower base grounds Also into your new
system ground.
I worked in cellular and even with many hits on the
towers the equipment kept working with Good Grounds.

73 Dean W5GXL@...

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> I'm going to draw fire for saying / suggesting this as the NEC seems
> to allow for ONLY one grounding point for an electrical service.
> However that requirement does NOT take into account the multiple
> paths taken by the strike. I've seen the results of lightning
> finding its way to ground through the equipment and the wall outlet.
>

>

[Non-text portions of this message have been removed]

No virus found in this incoming message.
Checked by AVG - http://www.avg.com
Version: 8.0.173 / Virus Database: 270.7.5/1701 - Release Date: 9/30/2008 7:08 PM

[Non-text portions of this message have been removed]

No virus found in this incoming message.
Checked by AVG - http://www.avg.com
Version: 8.0.173 / Virus Database: 270.7.5/1706 - Release Date: 10/3/2008 6:17 PM

[Non-text portions of this message have been removed]

6212. Re: Antenna Good/Bad Weather Rule??? - UPDATE!!!!

Yahoo group: ham-antennas (2008)
Date: 2008-10-06 01:11:03 UTC
From: Randy McKenzie
Topic: 6195 Message: 6212

Four bandaids later I now have a nice 20 meter ground plane, tuned
right on!

But dont tell my wife.....I told her it was just a test.....

Randy
KK4EJ

--- In ham-antennas@yahoogroups.com, "Mike Besemer \(WM4B\)"
<mwbesemer@...> wrote:
>
> Or above 100 degrees with greater than 90 percent humidity.
>
>
>
> Mike
>
> WM4B
>
>
>
> From: ham-antennas@yahoogroups.com [mailto:ham-
antennas@yahoogroups.com] On
> Behalf Of danny garvin
> Sent: Sunday, October 05, 2008 9:48 AM
> To: ham-antennas@yahoogroups.com
> Subject: Re: [ham-antennas] Antenna Good/Bad Weather Rule???
>
>
>
> Don't you know it has to be below 28 degrees with a foot of snow on
the
> ground for that to work what were you thinking! :)
> Danny
> WB9RIM
>
> ----- Original Message ----
> From: Randy McKenzie <kk4ej@... <mailto:kk4ej%40yahoo.com> >
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%
40yahoogroups.com>
> Sent: Sunday, October 5, 2008 8:33:45 AM
> Subject: [ham-antennas] Antenna Good/Bad Weather Rule???
>
> OK, I admit it, I broke the rule and had to pay the price!
>
> Saturday was a wonderful day here: sunny, low 70's, clear skies,

and
> I finished my "honey do" list by 1pm.....So of course I decided to
> experiment with some antenna items.....
>
> I have collected several parts from antenna projects over the
years:
> A old HF vert, a broken 6M, and some odds and ends AL sections.
>
> The idea was to use the odd parts and create a simple ground plane
> for 20M. I made some wire ground radials earlier this week....added
> the four radials to the base of the mount.....
>
> I found that the tubing would work together and the first adustment
> put the vertical radiator at 16.5 ft. Should work OK and then tune
> from there right? Such a nice day, the birds singing, so comfy,
even
> had a cool drink admiring my idea.....
>
> Assembly was using a old tripod, mounted onto a old pallet, and a
> 10ft TV mast. The original HF mount was used and it already had a
> SO239 for my coax. Simple basic ground plane, 10ft off the ground
> right? Should load nicely..... so I gathered my coax and MFJ.
>
> SWR was terrible! Lowest anywhere was 4 to 1 at 6mhz. No way a
ground
> plane wouldnt load right? So I took it down and started pondering.
>
> I ended up tearing the base connector apart to find a blown up
> loading coil and corroded connections inside the insulator. So I
cut
> all this out, replaced it with a simple jumper from the center of
the
> SO239 to the element. Years ago the HF antenna was givien to me,
now
> I know why!
>
> Then the wife got back home, ending the playtime.... .."What in the
> world is all that mess?"
>
> My plan of attack is to try it again today: Sunny, 70's and clear
> skies. Watch for the mushroom cloud over southwest VA.....
>
> Im begging for trouble again, I just know it!!!!!!!
>
> Randy
> KK4EJ
>
> [Non-text portions of this message have been removed]
>
>

>
>
>
> [Non-text portions of this message have been removed]
>

6213. Re: [ham-antennas] 2 meter/10 meter

Yahoo group: ham-antennas (2008)
Date: 2008-10-06 02:19:41 UTC
From: N0ATH
Topic: 6201 Message: 6213

I sure cannot see how that would be possible - Maybe a little bit for receive only.
Dave / N?ATH

----- Original Message -----
From: "Bill" <ki4uul@...>
To: <ham-antennas@yahoogroups.com>
Sent: Sunday, October 05, 2008 10:59 AM
Subject: [ham-antennas] 2 meter/10 meter

is there any truth that a 16" 2 meter mag mount will run 10 meters also?

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 1446 members (as of 9/26/08,
and attachments are NOT permitted.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

No virus found in this incoming message.
Checked by AVG - http://www.avg.com
Version: 8.0.173 / Virus Database: 270.7.6/1709 - Release Date: 10/5/2008 9:20 AM

6214. RE: [ham-antennas] 2 meter/10 meter

Yahoo group: ham-antennas (2008)
Date: 2008-10-06 05:08:10 UTC
From: MIKE DURKIN
Topic: 6201 Message: 6214

> I sure cannot see how that would be possible - Maybe a little bit for receive only.
> Dave / NØATH
>
>
I have actually seen the HamStick 10Meter mobile antenna have a verry close resonance on 2meters as well.

KC7NOA

_____
Stay up to date on your PC, the Web, and your mobile phone with Windows Live.
http://clk.atdmt.com/MRT/go/msnnkwxp1020093185mrt/direct/01/

6215. Re: [ham-antennas] 2 meter/10 meter

Yahoo group: ham-antennas (2008)
Date: 2008-10-06 06:49:18 UTC
From: Mike Heppe
Topic: 6201 Message: 6215

i can see where 10 m is close resonant to the 2 meters....but not a 2 meter antenna resonant to 10 meters.
the 10 meter antenna would be a multible of the 2 meter..posible of some gain!
----- Original Message -----
From: MIKE DURKIN
To: ham-antennas@yahoogroups.com
Sent: Monday, October 06, 2008 12:08 AM
Subject: RE: [ham-antennas] 2 meter/10 meter

> I sure cannot see how that would be possible - Maybe a little bit for receive only.
> Dave / NØATH
>
>
I have actually seen the HamStick 10Meter mobile antenna have a verry close resonance on 2meters as well.

KC7NOA

_____
Stay up to date on your PC, the Web, and your mobile phone with Windows Live.
http://clk.atdmt.com/MRT/go/msnnkwxp1020093185mrt/direct/01/

[Non-text portions of this message have been removed]

6216. Re: [ham-antennas] 2 meter/10 meter

Yahoo group: ham-antennas (2008)
Date: 2008-10-06 07:24:52 UTC
From: Walter A. Breining
Topic: 6201 Message: 6216

29x5= 145. odd multiple of quarter waves. Should work.
n9wb
----- Original Message -----
From: MIKE DURKIN
To: ham-antennas@yahoogroups.com
Sent: Monday, October 06, 2008 01:08
Subject: RE: [ham-antennas] 2 meter/10 meter

> I sure cannot see how that would be possible - Maybe a little bit for
> receive only.
> Dave / N?ATH
>
>
I have actually seen the HamStick 10Meter mobile antenna have a verry close
resonance on 2meters as well.

KC7NOA

_____
Stay up to date on your PC, the Web, and your mobile phone with Windows
Live.
http://clk.atdmt.com/MRT/go/msnnkwxp1020093185mrt/direct/01/

No virus found in this incoming message.
Checked by AVG - http://www.avg.com
Version: 8.0.173 / Virus Database: 270.7.6/1709 - Release Date: 10/5/2008
09:20

6217. Re: G5RV feedline issues

Yahoo group: ham-antennas (2008)
Date: 2008-10-06 15:04:22 UTC
From: Norm Blitch
Topic: 6193 Message: 6217

Danny,

Thanks!

It MAY need two zags, but I will effort to achieve this...

73s, Norm

--- In ham-antennas@yahoogroups.com, danny garvin <grailknight_2@...>
wrote:
>
> having the feed line horizontal shouldn't affect the antenna that
much if you can get it close to a right angle to the elements but you
can not coil it this will dramatically change the impedance if the
feed line. You must keep twin lead at least twice the width of the
line distance from any metal 450 ohm ladder line is one inch wide so
two inch distance minimum more would be better.
> Danny
>   WB9RIM
>
>
>
> ----- Original Message ----
> From: Norm Blitch <normblitch@...>
> To: ham-antennas@yahoogroups.com
> Sent: Sunday, October 5, 2008 7:48:30 AM
> Subject: [ham-antennas] G5RV feedline issues
>
>
> I finally extracted my G5RV from "storage" in the garage;
fortunately, I had put it away properly enough to flake it out in
the backyard with little tangle.
>
> ...haven't hooked it up as yet (darkness fell), but hoisting the
peak to the (sad) maximum of 14' AGL, I see that the twinlead stub is
NOT going to be all hanging vertical as when I previously had it run
from a tree.
>
> What would the effect be of having some/all of the twin lead
section coiled and/or horizontal relatively to the plane of the
antenna??
>
> 73 de Norm KE4GAH

6218. Re: G5RV feedline issues

Yahoo group: ham-antennas (2008)
Date: 2008-10-06 15:07:52 UTC
From: Norm Blitch
Topic: 6193 Message: 6218

Sam,

Thanks for the encouragement!

As I posted Danny, it may take a couple of runs, bit I think I can manage this...

73s, Norm

--- In ham-antennas@yahoogroups.com, Sam Cook <sam@...> wrote:
>
> I am running a G5RV at about 22ft in inverted-V with the twinlead
> stub/feedline HORIZONTAL. It is secured to a dacron line from the
mast over to my tower, 75ft away. Been up for a couple of years.
> I "design by dumb" and still get good signal reports. (I just do
things without much engineering.) Have talked to Hawaii and
Mississippi on it as well as local (~300mi) NVIS here in state of
Missouri. Haven't tried it for DX.
>
> Sam Cook, Milan, MO
> Amateur Extra Class Radio Station ACØOK
> ARES Official Emergency Station, Sullivan Co., MO
> Military Affiliate Radio System (MARS) AAR7AO
> FEMA IS-00100.a Certified
> ==========
>
>
> Norm Blitch wrote:
> > I finally extracted my G5RV from "storage" in the garage;
fortunately, I had put it away properly enough to flake it out in the
backyard with little tangle.
> >
> > ...haven't hooked it up as yet (darkness fell), but hoisting the
peak to the (sad) maximum of 14' AGL, I see that the twinlead stub is
NOT going to be all hanging vertical as when I previously had it run
from a tree.
> >
> > What would the effect be of having some/all of the twin lead
section coiled and/or horizontal relatively to the plane of the
antenna??
> >
> > 73 de Norm KE4GAH

6219. Re: Feedline passthru window solutions

Yahoo group: ham-antennas (2008)
Date: 2008-10-06 15:14:57 UTC
From: Norm Blitch
Topic: 6089 Message: 6219

Phil (and Others),

Not to gnaw the issue, but when y'all say ALL things should be centrally grounded, are you saying ALL things as as in not just all transceivers, antenna boxes, and power supplies, but ALSO EVERYTHING as in Keyers, SWR meters, speaker boxes, power distribution panels, and all the other little pieces that eventually fill the Desk?

73s, Norm
(in North FL where soil and Lightning is similar)

> Yes, it's not the voltages, it's the potential differences between two or more points that causes the damages. Everything must be strapped to the same potential.
> In our work we deal with school buildings' fire alarm and intercom systems. Schools are made up of seperate buildings all tied together by fire alarm and intercom wiring. Potential voltage differences from the main admin building and remote wings cause the problems with storms. We typically have sandy soil with poor conductivity here in central Florida. I have been fighting the argument that within even the metalic rigid conduits that interconnect the wings' wiring I wanted a heavy ground wire to be along with them and bolted to the terminal cabinets at both ends.
> Phil B
> Philip Bader
> Polk County School Board
> Intercom & Fire Alarm Electronics Systems
> Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006
> Amateur call: KI4NUC, Winter Haven, Fl.
> Member: Lakeland Amateur Radio Club
> http://www.lakelandarc.org/

6220. New end fed random wire antenna

Yahoo group: ham-antennas (2008)
Date: 2008-10-06 15:40:45 UTC
From: Al
Topic: 6220 Message: 6220

This weekend I put up a 144' end fed random wire, with 1/4 wave counterpoise on each band. Installed a new MFJ-974HB Balanced (& Random wire)Tuner.
Can't get it to tune up on these bands wich have 1/4 wave counterpoises installed 16" above grade, 10, 15, 20, 40, 80 & 160m. Looking for suggestions.
Tnx, Al

6221. Re: [ham-antennas] New end fed random wire antenna

Yahoo group: ham-antennas (2008)
Date: 2008-10-06 17:26:41 UTC
From: Chris
Topic: 6220 Message: 6221

I don't have exact math for you as to why this isn't working.

I am curious, with a balanced line tuner like that, why didn't you just cut that 144' wire in the center and feed it with 450 Ohm window line or similar balanced feeder? It would work just fine 80m and up and be very low loss. That would be what I would do right away if you can physically manage that layout.

I've had very temperamental and mixed results end-feeding wires. Lots of RF issues and the tuning range has always been *very* narrow. It has always been a tricky tuneup with a very narrow range of adjustment to achieve tune. My only other idea is whether you have enough experience with a manual tuner to 'catch' the tuned point or if maybe you are just missing it.

When I say narrow, it's just barely a nudge of either the capacitor or the inductor to get it tuned. A tiny nudge in either direction of either one and it's gone again. With a balanced system, the 'play' in adjustment is far wider and sometimes it's actually hard due to lack of meter movement to determine where the sweet spot really is because the match range is so broad.

On Mon, Oct 6, 2008 at 11:40 AM, Al <n6tez@...> wrote:
> This weekend I put up a 144' end fed random wire, with 1/4 wave
> counterpoise on each band. Installed a new MFJ-974HB Balanced
> (& Random wire)Tuner.
> Can't get it to tune up on these bands wich have 1/4 wave counterpoises
> installed 16" above grade, 10, 15, 20, 40, 80 & 160m. Looking for
> suggestions.
> Tnx, Al
>

6222. Re: [ham-antennas] Re: Feedline passthru window solutions

Yahoo group: ham-antennas (2008)
Date: 2008-10-06 20:10:07 UTC
From: Stan Labinsky Jr.
Topic: 6089 Message: 6222

Norm it's not so much that the system is "centrally" grounded, but that it is all bonded together.

Again, think of your entire shack as a kid jumping rope. The body jumps to let the rope pass beneath, and likewise the ENTIRE installation should be able to do the same. The whole of your equipment may rise to several thousands of volts above earth potential for the instant that it takes to dissipate the stroke energy, but any piece of equipment will see all the rest of your equipment as being at the same potential... so no destructive current flows... through any of it... outside might be another matter, but all your stuff is safely inside the enclosure that you built to protect it.

That's accomplished by bonding everything together and bringing in ALL the services: power, telco and antenna leads, through ONE portal, the "entrance panel".

So, should everything be tied to your grounding system? Yes, but since some of the devices you mentioned... say the keyer, if it draws it's power from the rig, is already tied in. Similarly the SWR bridge is already tied in because it's connected to the grounded coaxes. If it has a wall wart (wall transformer) to power the panel lamps and meter amplifier, if so designed, the wart has to be plugged into the power strip (that you mentioned) which is also bonded to the grounding system.

The hardest part is in dealing with the services because they often come into the building at different points of entry. So bonding them together in such a way that the amount of energy which runs through the equipment and through the actual wiring (be it the green safety wires or the telco's red ground wire) is kept to the barest minimum, takes some engineering and the ability to stand far enough back to see the whole building and all of it's wiring as one entity.

The "centrally" part more looks at where the actual earthing system: rods, bonding strap, etc. is situated and how they relate to the services that are being grounded. For best effect (expecting that the antenna will be the point of entry of the strike) the actual earthing system (ground rods and connecting strapping) should be as close to the point that the coaxes and rotor wires enter the shack as is practical.
If, OTOH, the strike enters through the power company's wires, the low impedance bonding will conduct the bulk of the energy around the power distribution system to your grounding system, keeping from frying the wiring in the walls. One of the mechanisms that enables that to happen is that the power wiring in the walls is typically more inductive than the nice wide strap used to accomplish the bonding. Lightning, like all electricity, while being tremendously powerful, is also infinitely lazy and always takes the path of least resistance (for us, impedance).
To us, sometimes it might not look to be so, but post strike analysis will usually reveal the "why" of the of the path taken.

OK, nuf words... typing switch set to OFF, off state begins... in six, five, four...

73, Stan

-- Original Message -----
From: Norm Blitch
To: ham-antennas@yahoogroups.com
Sent: Monday, October 06, 2008 11:14 AM
Subject: [ham-antennas] Re: Feedline passthru window solutions

Phil (and Others),

Not to gnaw the issue, but when y'all say ALL things should be centrally grounded, are you saying ALL things as as in not just all transceivers, antenna boxes, and power supplies, but ALSO EVERYTHING as in Keyers, SWR meters, speaker boxes, power distribution panels, and all the other little pieces that eventually fill the Desk?

73s, Norm
(in North FL where soil and Lightning is similar)

> Yes, it's not the voltages, it's the potential differences between two or more points that causes the damages. Everything must be strapped to the same potential.
> In our work we deal with school buildings' fire alarm and intercom systems. Schools are made up of seperate buildings all tied together by fire alarm and intercom wiring. Potential voltage differences from the main admin building and remote wings cause the problems with storms. We typically have sandy soil with poor conductivity here in central Florida. I have been fighting the argument that within even the metalic rigid conduits that interconnect the wings' wiring I wanted a heavy ground wire to be along with them and bolted to the terminal cabinets at both ends.
> Phil B
> Philip Bader
> Polk County School Board
> Intercom & Fire Alarm Electronics Systems
> Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006
> Amateur call: KI4NUC, Winter Haven, Fl.
> Member: Lakeland Amateur Radio Club
> http://www.lakelandarc.org/

[Non-text portions of this message have been removed]

6223. Re: [ham-antennas] 2 meter/10 meter

Yahoo group: ham-antennas (2008)
Date: 2008-10-06 20:36:17 UTC
From: N0ATH
Topic: 6201 Message: 6223

Maybe it has been lost already - Yes I imagine with some finite adjusting
etc. the 10 would/could work on two - but the question was (a 16 inch stinger
working on 10) I doubt it. Or, as I said, possibly very limited on receive only.
Dave / N?ATH

----- Original Message -----
From: "Walter A. Breining" <n9wb@...>
To: <ham-antennas@yahoogroups.com>
Sent: Monday, October 06, 2008 2:24 AM
Subject: Re: [ham-antennas] 2 meter/10 meter

29x5= 145. odd multiple of quarter waves. Should work.
n9wb
----- Original Message -----
From: MIKE DURKIN
To: ham-antennas@yahoogroups.com
Sent: Monday, October 06, 2008 01:08
Subject: RE: [ham-antennas] 2 meter/10 meter

> I sure cannot see how that would be possible - Maybe a little bit for
> receive only.
> Dave / N?ATH
>
>
I have actually seen the HamStick 10Meter mobile antenna have a verry close
resonance on 2meters as well.

KC7NOA

_____
Stay up to date on your PC, the Web, and your mobile phone with Windows
Live.
http://clk.atdmt.com/MRT/go/msnnkwxp1020093185mrt/direct/01/

No virus found in this incoming message.
Checked by AVG - http://www.avg.com
Version: 8.0.173 / Virus Database: 270.7.6/1709 - Release Date: 10/5/2008
09:20

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 1446
members (as of 9/26/08,
and attachments are NOT permitted.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com

Yahoo! Groups Links

No virus found in this incoming message.
Checked by AVG - http://www.avg.com
Version: 8.0.173 / Virus Database: 270.7.6/1710 - Release Date: 10/6/2008 9:23 AM

6224. RE: [ham-antennas] 2 meter/10 meter

Yahoo group: ham-antennas (2008)
Date: 2008-10-06 20:45:52 UTC
From: Mike Besemer (WM4B)
Topic: 6201 Message: 6224

Also, (and I meant to bring this up before) a 16 inch stinger is not resonant on 2-meters, therefore I assume there must be some loading at the bottom or in the center. That would make it even worse on 10.

OTOH, a 10 meter quarter wave is about 5 1/4 wavelengths on 2... so it MIGHT work.

Mike
WM4B

> -----Original Message-----
> From: ham-antennas@yahoogroups.com [mailto:ham-
> antennas@yahoogroups.com] On Behalf Of N0ATH
> Sent: Monday, October 06, 2008 4:36 PM
> To: ham-antennas@yahoogroups.com
> Subject: Re: [ham-antennas] 2 meter/10 meter
>
> Maybe it has been lost already - Yes I imagine with some finite
> adjusting
> etc. the 10 would/could work on two - but the question was (a 16 inch
> stinger
> working on 10) I doubt it. Or, as I said, possibly very limited on
> receive only.
> Dave / NØATH
>
> ----- Original Message -----
> From: "Walter A. Breining" <n9wb@...>
> To: <ham-antennas@yahoogroups.com>
> Sent: Monday, October 06, 2008 2:24 AM
> Subject: Re: [ham-antennas] 2 meter/10 meter
>
>
> 29x5= 145. odd multiple of quarter waves. Should work.
> n9wb
> ----- Original Message -----
> From: MIKE DURKIN
> To: ham-antennas@yahoogroups.com
> Sent: Monday, October 06, 2008 01:08
> Subject: RE: [ham-antennas] 2 meter/10 meter
>
>
>
>
> > I sure cannot see how that would be possible - Maybe a little bit for
> > receive only.
> > Dave / NØATH

> >
> >
> I have actually seen the HamStick 10Meter mobile antenna have a verry
> close
> resonance on 2meters as well.
>
> KC7NOA
> _____
> Stay up to date on your PC, the Web, and your mobile phone with Windows
> Live.
> http://clk.atdmt.com/MRT/go/msnnkwxp1020093185mrt/direct/01/
>
>
>
>
>
> No virus found in this incoming message.
> Checked by AVG - http://www.avg.com
> Version: 8.0.173 / Virus Database: 270.7.6/1709 - Release Date:
> 10/5/2008
> 09:20
>
>
> ---
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies
> go to ALL 1446 members (as of 9/26/08,
> and attachments are NOT permitted.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
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> No virus found in this incoming message.
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> Post message: ham-antennas@yahoogroups.com
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> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>

6225. Re: Delta match on a half-square?

Yahoo group: ham-antennas (2008)
Date: 2008-10-06 21:10:43 UTC
From: Bruce Conner
Topic: 6190 Message: 6225

Hi Sigi,

Well, I'm sure we could send this list into a long discussion of what is a half-square vs. what is a bobtail. Most writers (including LB Cebik) call it a half square if it has only 2 legs, with the phasing line on the top OR the bottom, and normally use the name bobtail for the 3 legged version. I think it's just a matter of nomenclature, as they are all related and were invented by the same man. No big deal! ;')

I actually have the antenna well modeled in MMANA as a standard 50 ohm coax feed, and it looks very good in that form (nice TO angle and gain). But as an exercise (and for practical purposes), I'd like to try feeding it with a 450 ohm window line to a delta match rather than use 50 ohm coax. That was actually my question; how to set up the delta match in MMANA. I'd be happy to send you the file of my current 50 ohm model if you think you can change it so it will work with the delta match!

I think the confusion for me is how to handle the multiple source points, since it's a balanced feed with some amount of distance between the two connections rather than a single 50 ohm source. The things I have tried in MMANA didn't seem to work the way I expected, so I must be missing some critical bit of information on how to set up a parallel line feed for a delta match connection.

Let me know if you'd like the file, and I'll email it to you. Thanks!

73,
Bruce
WB8OGK

--- In ham-antennas@yahoogroups.com, "Siegfried Jackstien" <siegfried.jackstien@...> wrote:
>
> dear bruce
> the tails down is a bobtail-curtain .... absolutely different from a
> half-square
> but if you have downloaded mmana it is easy to model ANY antenna....
> or you take a ready made antenna and modify it like you need to do
> best 73´s de dg9bfc
> sigi
> ps: if you have a bit of time to wait i can try to make a model for
you and
> send it via mail
> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com

[mailto:ham-antennas@yahoogroups.com]Im
> Auftrag von Bruce Conner
> Gesendet: Samstag, 4. Oktober 2008 14:06
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Delta match on a half-square?
>
>
> I'm thinking of putting up a half-square as a single band antenna, but
> I have a moderately long run to the shack and thought it might be
> better to run window line to reduce the loss for my QRP station. The
> half-square feedpoint is nominally 50 ohms, which is great for coax,
> but I got to wondering if maybe a delta match would work for the 450
> ohm window line. That way I could use a single piece of wire for the
> antenna too, and avoid baluns, center insulators, etc.
>
> I've never tried to calculate or model a delta match before, and the
> only examples I can find are for a simple dipole with the wires
> sticking straight off from one another. The top corner feed for the
> half-square would, to me at least, seem to present a different model
> since it has a 90 degree angle. (this is a "tails down" version of the
> half-square with the phasing wire on the top)
>
> I'm still pretty new at antenna modeling software, so any help on
> figuring out how to put this into MMANA would really be appreciated.
> Is there any way to set up the antenna wire shape alone, and then
> deduce the correct points for attaching the feed for a 450 ohm delta
> (or T match). I can't seem to figure out how to know what the
> impedance is at any given distance along the wire, but I know the
> answer is staring me in the face.
>
> 73,
> Bruce
> WB8OGK
>
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

6226. Re: [ham-antennas] Lightning protection - very much a subject for ham radio.

Yahoo group: ham-antennas (2008)
Date: 2008-10-07 02:00:49 UTC
From: Earl Needham
Topic: 6170 Message: 6226

Steve Friis wrote:
<snip>
> Sandia Crest is at 10,678 feet, plus the 200' tower, really puts the
> antenna right where the stuff wants to discharge. You really need to be
> on a mountain top during a TS for an experience you'll not likely forget
> any time soon.

Or in a Cessna 172 at 1000' AGL in the pattern and have lightning
strike about 100 yards in front of you...

7 3
Earl

--
KD5XB -- Earl Needham
Clovis, New Mexico DM84jk
http://groups.yahoo.com/group/cw_bugs
Quoting from the Coast Guard: ZUT

6227. Re: [ham-antennas] Re: Feedline passthru window solutions

Yahoo group: ham-antennas (2008)
Date: 2008-10-07 03:03:27 UTC
From: Steve Friis
Topic: 6089 Message: 6227

Norm Blitch wrote:
> Phil (and Others),
>
> Not to gnaw the issue, but when y'all say ALL things should be
> centrally grounded, are you saying ALL things as as in not just all
> transceivers, antenna boxes, and power supplies, but ALSO EVERYTHING
> as in Keyers, SWR meters, speaker boxes, power distribution panels,
> and all the other little pieces that eventually fill the Desk?
>
> 73s, Norm
> (in North FL where soil and Lightning is similar)
>
>
>
Have to laugh at your tag, you think it is hard when ground water is 10'
or less from the surface? Try it here in NM where ground water is
sometimes in the 1000' or more below the surface. Soil conductivity
during the drought was measured here in the mega ohms. But it is still
needed, unless you just like to have sparks dancing in your home.

I do ground everything that has a metal case, and if the manufacturer
didn't make provisions, then I have drilled and tapped threads for
screws to facilitate grounding. I have in my shack a 3" wide copper
strap going to the ground rods (3) that are 8' copper clad steel shafts
imbedded 7 1/2' into the ground spaced 2' from the tower in an arc
equally spaced in 180 degrees. The tower is bonded to the ground rods.
Everything is soldered together using 50/50 solder. The DC resistance
from the farthest piece of equipment to the tower is .077 Ohms measured
with a 6 1/2 digit 4 wire Ohm meter.

--
Steve Friis
Amateur Call WM5Z
APRS WM5Z-1 Las Cruces Igate | APRS WM5Z-2 Home | APRS WM5Z-3 RV | APRS WM5Z-15 Weather

These are the humble rantings of an El Viejo Pedoro (old fart) and in no way should they
influence the actions of any intelligent and sane person.

6228. Re: [ham-antennas] Lightning protection - very much a subject for ham radio.

Yahoo group: ham-antennas (2008)
Date: 2008-10-07 04:30:23 UTC
From: Steve Friis
Topic: 6170 Message: 6228

Earl Needham wrote:
> Steve Friis wrote:
> <snip>
>
>> Sandia Crest is at 10,678 feet, plus the 200' tower, really puts the
>> antenna right where the stuff wants to discharge. You really need to be
>> on a mountain top during a TS for an experience you'll not likely forget
>> any time soon.
>>
>
> Or in a Cessna 172 at 1000' AGL in the pattern and have lightning
> strike about 100 yards in front of you...
>
> 7 3
> Earl
>
>
Elmo's fire. That is what they call it when you are in the building on
the mountain top, lightning strikes, the lights go out and you see a
beach-ball sized blue haze coming at you. I made the mistake of kicking
it, but it knocked me on my butt. Hurt like a %&*#$. I thought I was
going to die. And I don't know that I moved it any. I think it just
discharged through my leg. All I know is I won't ever do that again. I
am told mine was a little one, and that a really dense one can kill.
Supposedly a dense one really glows bright enough to see in broad daylight.

--
Steve Friis
Amateur Call WM5Z
APRS WM5Z-1 Las Cruces Igate | APRS WM5Z-2 Home | APRS WM5Z-3 RV | APRS WM5Z-15 Weather

These are the humble rantings of an El Viejo Pedoro (old fart) and in no way should they influence the actions of any intelligent and sane person.

6229. Re: [ham-antennas] Lightning protection - very much a subject for ham radio.

Yahoo group: ham-antennas (2008)
Date: 2008-10-07 04:36:25 UTC
From: Earl Needham
Topic: 6170 Message: 6229

Steve Friis wrote:
> Earl Needham wrote:
>> Steve Friis wrote:
>> <snip>
>>
>>> Sandia Crest is at 10,678 feet, plus the 200' tower, really puts the
>>> antenna right where the stuff wants to discharge. You really need to be
>>> on a mountain top during a TS for an experience you'll not likely forget
>>> any time soon.
>>>
>> Or in a Cessna 172 at 1000' AGL in the pattern and have lightning
>> strike about 100 yards in front of you...
>>
>> 7 3
>> Earl
>>
>>
> Elmo's fire.

Nope, not talking about St Elmo's fire, talking about a full-strength
bolt hitting perhaps 100 yards in front of the nose and sounding like a
howitzer just went off. I departed the pattern top the north and landed
20 miles form the thunderstorm and waited it out.
--
KD5XB -- Earl Needham
Clovis, New Mexico DM84jk
http://groups.yahoo.com/group/cw_bugs
Quoting from the Coast Guard: ZUT

6230. Re: Feedline passthru window solutions

Yahoo group: ham-antennas (2008)
Date: 2008-10-07 12:03:30 UTC
From: Norm Blitch
Topic: 6089 Message: 6230

Stan,

Well said; NOW I get it!

73s, Norm

--- In ham-antennas@yahoogroups.com, "Stan Labinsky Jr." <stanbarb@...> wrote:
>
> Norm it's not so much that the system is "centrally" grounded, but that it is all bonded together.
>
> Again, think of your entire shack as a kid jumping rope. The body jumps to let the rope pass beneath, and likewise the ENTIRE installation should be able to do the same. The whole of your equipment may rise to several thousands of volts above earth potential for the instant that it takes to dissipate the stroke energy, but any piece of equipment will see all the rest of your equipment as being at the same potential... so no destructive current flows... through any of it... outside might be another matter, but all your stuff is safely inside the enclosure that you built to protect it.
>
> That's accomplished by bonding everything together and bringing in ALL the services: power, telco and antenna leads, through ONE portal, the "entrance panel".
>
> So, should everything be tied to your grounding system? Yes, but since some of the devices you mentioned... say the keyer, if it draws it's power from the rig, is already tied in. Similarly the SWR bridge is already tied in because it's connected to the grounded coaxes. If it has a wall wart (wall transformer) to power the panel lamps and meter amplifier, if so designed, the wart has to be plugged into the power strip (that you mentioned) which is also bonded to the grounding system.
>
> The hardest part is in dealing with the services because they often come into the building at different points of entry. So bonding them together in such a way that the amount of energy which runs through the equipment and through the actual wiring (be it the green safety wires or the telco's red ground wire) is kept to the barest minimum, takes some engineering and the ability to stand far enough back to see the whole building and all of it's wiring as one entity.
>
> The "centrally" part more looks at where the actual earthing system: rods, bonding strap, etc. is situated and how they relate to

the services that are being grounded. For best effect (expecting that the antenna will be the point of entry of the strike) the actual earthing system (ground rods and connecting strapping) should be as close to the point that the coaxes and rotor wires enter the shack as is practical.
> If, OTOH, the strike enters through the power company's wires, the low impedance bonding will conduct the bulk of the energy around the power distribution system to your grounding system, keeping from frying the wiring in the walls. One of the mechanisms that enables that to happen is that the power wiring in the walls is typically more inductive than the nice wide strap used to accomplish the bonding. Lightning, like all electricity, while being tremendously powerful, is also infinitely lazy and always takes the path of least resistance (for us, impedance).
> To us, sometimes it might not look to be so, but post strike analysis will usually reveal the "why" of the of the path taken.
>
> OK, nuf words... typing switch set to OFF, off state begins... in six, five, four...
>
> 73, Stan

6231. RE: [ham-antennas] Re: Feedline passthru window solutions

Yahoo group: ham-antennas (2008)
Date: 2008-10-07 12:55:12 UTC
From: Richard Schmuke
Topic: 6089 Message: 6231

Thanks Stan, you also helped me. It always helps to make sure it gets through to some of us Dutchmen. We can grasp what you are trying to say , you just have to make sure it gets through into our grey matter.

Rich , KDØZZ

Disclaimer: Any errors in spelling or facts are transmission errors.

--- In ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
, "Stan Labinsky Jr."
<stanbarb@...> wrote:
>
> Norm it's not so much that the system is "centrally" grounded, but
that it is all bonded together.
>
> Again, think of your entire shack as a kid jumping rope. The body
jumps to let the rope pass beneath, and likewise the ENTIRE
installation should be able to do the same. The whole of your
equipment may rise to several thousands of volts above earth
potential for the instant that it takes to dissipate the stroke
energy, but any piece of equipment will see all the rest of your
equipment as being at the same potential... so no destructive current
flows... through any of it... outside might be another matter, but
all your stuff is safely inside the enclosure that you built to
protect it.
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> That's accomplished by bonding everything together and bringing in
ALL the services: power, telco and antenna leads, through ONE portal,
the "entrance panel".
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> So, should everything be tied to your grounding system? Yes, but
since some of the devices you mentioned... say the keyer, if it draws
it's power from the rig, is already tied in. Similarly the SWR bridge
is already tied in because it's connected to the grounded coaxes. If
it has a wall wart (wall transformer) to power the panel lamps and
meter amplifier, if so designed, the wart has to be plugged into the
power strip (that you mentioned) which is also bonded to the
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see the whole building and all of it's wiring as one entity.

>
> The "centrally" part more looks at where the actual earthing system: rods, bonding strap, etc. is situated and how they relate to the services that are being grounded. For best effect (expecting that the antenna will be the point of entry of the strike) the actual earthing system (ground rods and connecting strapping) should be as close to the point that the coaxes and rotor wires enter the shack as is practical.
> If, OTOH, the strike enters through the power company's wires, the low impedance bonding will conduct the bulk of the energy around the power distribution system to your grounding system, keeping from frying the wiring in the walls. One of the mechanisms that enables that to happen is that the power wiring in the walls is typically more inductive than the nice wide strap used to accomplish the bonding. Lightning, like all electricity, while being tremendously powerful, is also infinitely lazy and always takes the path of least resistance (for us, impedance).
> To us, sometimes it might not look to be so, but post strike analysis will usually reveal the "why" of the of the path taken.
>
> OK, nuf words... typing switch set to OFF, off state begins... in six, five, four...
>
> 73, Stan

[Non-text portions of this message have been removed]

6232. RE: [ham-antennas] Re: Delta match on a half-square?

Yahoo group: ham-antennas (2008)
Date: 2008-10-08 08:02:49 UTC
From: Callum M0MCX
Topic: 6190 Message: 6232

Bruce, send it to me and I☐ll fix it up.

Like you, I also have a half-square modelled for 40m band, I just haven☐t built it yet!

Callum McCormick

http://www.m0mcx.co.uk/

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Bruce Conner
Sent: 06 October 2008 22:11
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: Delta match on a half-square?

Hi Sigi,

Well, I'm sure we could send this list into a long discussion of what is a half-square vs. what is a bobtail. Most writers (including LB Cebik) call it a half square if it has only 2 legs, with the phasing line on the top OR the bottom, and normally use the name bobtail for the 3 legged version. I think it's just a matter of nomenclature, as they are all related and were invented by the same man. No big deal! ;')

I actually have the antenna well modeled in MMANA as a standard 50 ohm coax feed, and it looks very good in that form (nice TO angle and gain). But as an exercise (and for practical purposes), I'd like to try feeding it with a 450 ohm window line to a delta match rather than use 50 ohm coax. That was actually my question; how to set up the delta match in MMANA. I'd be happy to send you the file of my current 50 ohm model if you think you can change it so it will work with the delta match!

I think the confusion for me is how to handle the multiple source points, since it's a balanced feed with some amount of distance between the two connections rather than a single 50 ohm source. The things I have tried in MMANA didn't seem to work the way I expected, so I must be missing some critical bit of information on how to set up a parallel line feed for a delta match connection.

Let me know if you'd like the file, and I'll email it to you. Thanks!

73,
Bruce
WB8OGK

--- In ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
, "Siegfried Jackstien"

<siegfried.jackstien@...> wrote:
>
> dear bruce
> the tails down is a bobtail-curtain .... absolutely different from a
> half-square
> but if you have downloaded mmana it is easy to model ANY antenna....
> or you take a ready made antenna and modify it like you need to do
> best 73´s de dg9bfc
> sigi
> ps: if you have a bit of time to wait i can try to make a model for
you and
> send it via mail
> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
[mailto:ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
]Im
> Auftrag von Bruce Conner
> Gesendet: Samstag, 4. Oktober 2008 14:06
> An: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Betreff: [ham-antennas] Delta match on a half-square?
>
>
> I'm thinking of putting up a half-square as a single band antenna, but
> I have a moderately long run to the shack and thought it might be
> better to run window line to reduce the loss for my QRP station. The
> half-square feedpoint is nominally 50 ohms, which is great for coax,
> but I got to wondering if maybe a delta match would work for the 450
> ohm window line. That way I could use a single piece of wire for the
> antenna too, and avoid baluns, center insulators, etc.
>
> I've never tried to calculate or model a delta match before, and the
> only examples I can find are for a simple dipole with the wires
> sticking straight off from one another. The top corner feed for the
> half-square would, to me at least, seem to present a different model
> since it has a 90 degree angle. (this is a "tails down" version of the
> half-square with the phasing wire on the top)
>
> I'm still pretty new at antenna modeling software, so any help on
> figuring out how to put this into MMANA would really be appreciated.
> Is there any way to set up the antenna wire shape alone, and then
> deduce the correct points for attaching the feed for a 450 ohm delta
> (or T match). I can't seem to figure out how to know what the
> impedance is at any given distance along the wire, but I know the
> answer is staring me in the face.
>
> 73,
> Bruce
> WB8OGK
>
>

>
>
>
>
> [Non-text portions of this message have been removed]
>

[Non-text portions of this message have been removed]

6233. Re: 2 meter/10 meter

Yahoo group: ham-antennas (2008)
Date: 2008-10-08 19:11:40 UTC
From: John
Topic: 6201 Message: 6233

Hello,

So I was curious about the hamstick 10 meter 2 meter theory so I did a test. The test was using a MFJ-259B, a ft-817nd, a 10 meter hamstick sitting in my pickup in the driveway. On 10 meters the swr was 1.2 - 1.5 : 1 across the 10 meter band. On 2m meters the swr was 1.4 - 1.7 : 1 across the band. No problem bringing up the local repeaters. One further test I decided to try was bringing up a few 440 repeaters. Using the swr meter on the ft-817nd the swr was 2-4 bars and it did not trip the high swr warning light. It worked also. Don't know if this helps anyone but I thought it was interesting.

John
KE7JSL

6234. Re: [ham-antennas] Re: 2 meter/10 meter

Yahoo group: ham-antennas (2008)
Date: 2008-10-08 20:24:08 UTC
From: Steve Friis
Topic: 6201 Message: 6234

John wrote:
> Hello,
>
> So I was curious about the hamstick 10 meter 2 meter theory so I did a
> test. The test was using a MFJ-259B, a ft-817nd, a 10 meter hamstick
> sitting in my pickup in the driveway. On 10 meters the swr was 1.2 -
> 1.5 : 1 across the 10 meter band. On 2m meters the swr was 1.4 - 1.7 :
> 1 across the band. No problem bringing up the local repeaters. One
> further test I decided to try was bringing up a few 440 repeaters.
> Using the swr meter on the ft-817nd the swr was 2-4 bars and it did
> not trip the high swr warning light. It worked also. Don't know if
> this helps anyone but I thought it was interesting.
>
> John
> KE7JSL
>
>
When I was a Novice, 1960, I was tuning up on my foster father's dummy
load, a couple of 150 watt bulbs in parellel. I heard a KH6 station
calling CQ near my crystal frequency, and responded. We made contact,
both giving each other 559 reports. He was running 50 watts to a dipole
and I was running 30 watts to a, oh no, can't be, a pair of light bulbs!!!

I switched to the antenna and we continued the QSO. I have a QSL card
here somewhere to prove it.

Point is, you really only proved it is a little better at radiating than
a dummy load. How about some actual field strength measurements?

--
Steve Friis
Amateur Call WM5Z
APRS WM5Z-1 Las Cruces Igate | APRS WM5Z-2 Home | APRS WM5Z-3 RV | APRS WM5Z-15 Weather

These are the humble rantings of an El Viejo Pedoro (old fart) and in no way should they
influence the actions of any intelligent and sane person.

6235. Re: [ham-antennas] Re: 2 meter/10 meter

Yahoo group: ham-antennas (2008)
Date: 2008-10-08 21:10:28 UTC
From: KE7JSL@tmo.blackberry.net
Topic: 6201 Message: 6235

>Point is, you really only proved it is a little better at radiating than
a dummy load. How about some actual field strength measurements?

Hi Steve,

Field strength mesurements are not required if it does the job you want it to do. The original question was somebody want to know if a 2 meter antenna could work on 10 meters. Somebody else posted 10 meters should work on 2 meters. I just proved that it would work. Yes even dummy loads will work too.. The point is for a technician license holder or anybody else that just wants one antenna on their vehicle that they might give it try. For me it much simpler than two antennas.

John
KE7JSL
Sent via BlackBerry from T-Mobile

6236. Re: 2 meter/10 meter

Yahoo group: ham-antennas (2008)
Date: 2008-10-08 21:32:44 UTC
From: John
Topic: 6201 Message: 6236

Real world test on 2 meters with a 10 meter hamstick. I can constantly bring up repeaters 40-50 miles away from my house with 5 watts of power.

John
KE7JSL

6237. Re: [ham-antennas] Re: 2 meter/10 meter

Yahoo group: ham-antennas (2008)
Date: 2008-10-08 21:37:23 UTC
From: Stan Labinsky Jr.
Topic: 6201 Message: 6237

Not only field strength, but some vertical radiation patterns as well. Multi-wave antennas have odd patterns which tend to have high radiation angles. Good for talking to repeaters, up close, on very high hills... oh, and airplanes. The amount of loss, especially at UHF, in the hamstick would also be of interest... but, hey, in a pinch, thanks for checking out the idea!

Stan

----- Original Message -----
From: Steve Friis
To: ham-antennas@yahoogroups.com
Sent: Wednesday, October 08, 2008 4:24 PM
Subject: Re: [ham-antennas] Re: 2 meter/10 meter

John wrote:
> Hello,
>
> So I was curious about the hamstick 10 meter 2 meter theory so I did a
> test. The test was using a MFJ-259B, a ft-817nd, a 10 meter hamstick
> sitting in my pickup in the driveway. On 10 meters the swr was 1.2 -
> 1.5 : 1 across the 10 meter band. On 2m meters the swr was 1.4 - 1.7 :
> 1 across the band. No problem bringing up the local repeaters. One
> further test I decided to try was bringing up a few 440 repeaters.
> Using the swr meter on the ft-817nd the swr was 2-4 bars and it did
> not trip the high swr warning light. It worked also. Don't know if
> this helps anyone but I thought it was interesting.
>
> John
> KE7JSL
>
>
When I was a Novice, 1960, I was tuning up on my foster father's dummy load, a couple of 150 watt bulbs in parellel. I heard a KH6 station calling CQ near my crystal frequency, and responded. We made contact, both giving each other 559 reports. He was running 50 watts to a dipole and I was running 30 watts to a, oh no, can't be, a pair of light bulbs!!!

I switched to the antenna and we continued the QSO. I have a QSL card here somewhere to prove it.

Point is, you really only proved it is a little better at radiating than a dummy load. How about some actual field strength measurements?

--
Steve Friis
Amateur Call WM5Z

APRS WM5Z-1 Las Cruces Igate | APRS WM5Z-2 Home | APRS WM5Z-3 RV | APRS WM5Z-15 Weather

These are the humble rantings of an El Viejo Pedoro (old fart) and in no way should they influence the actions of any intelligent and sane person.

[Non-text portions of this message have been removed]

6238. Re: [ham-antennas] Re: 2 meter/10 meter

Yahoo group: ham-antennas (2008)
Date: 2008-10-09 01:03:49 UTC
From: Steve Friis
Topic: 6201 Message: 6238

KE7JSL@... wrote:
>> Point is, you really only proved it is a little better at radiating than
>>
> a dummy load. How about some actual field strength measurements?
>
> Hi Steve,
>
> Field strength mesurements are not required if it does the job you want it to do. The original question was somebody want to know if a 2 meter antenna could work on 10 meters. Somebody else posted 10 meters should work on 2 meters. I just proved that it would work. Yes even dummy loads will work too.. The point is for a technician license holder or anybody else that just wants one antenna on their vehicle that they might give it try. For me it much simpler than two antennas.
>
> John
> KE7JSL
> Sent via BlackBerry from T-Mobile
>
>
Point made, and true.

--
Steve Friis
Amateur Call WM5Z
APRS WM5Z-1 Las Cruces Igate | APRS WM5Z-2 Home | APRS WM5Z-3 RV | APRS WM5Z-15 Weather

These are the humble rantings of an El Viejo Pedoro (old fart) and in no way should they influence the actions of any intelligent and sane person.

6239. RE: [ham-antennas] Re: 2 meter/10 meter

Yahoo group: ham-antennas (2008)
Date: 2008-10-09 03:32:07 UTC
From: MIKE DURKIN
Topic: 6201 Message: 6239

Well , Isnt the HamStick a dual 5/8wave??

I had one that would match on the 10meter band, and then i compared it to the 2M coliner version .. looked the same to me.

KC7NOA

>
> Not only field strength, but some vertical radiation patterns as well. Multi-wave antennas have odd patterns which tend to have high radiation angles. Good for talking to repeaters, up close, on very high hills... oh, and airplanes. The amount of loss, especially at UHF, in the hamstick would also be of interest... but, hey, in a pinch, thanks for checking out the idea!
>
> Stan
>
> ----- Original Message -----
> From: Steve Friis
> To: ham-antennas@yahoogroups.com
> Sent: Wednesday, October 08, 2008 4:24 PM
> Subject: Re: [ham-antennas] Re: 2 meter/10 meter
>
> John wrote:
>> Hello,
>>
>> So I was curious about the hamstick 10 meter 2 meter theory so I did a
>> test. The test was using a MFJ-259B, a ft-817nd, a 10 meter hamstick
>> sitting in my pickup in the driveway. On 10 meters the swr was 1.2 -
>> 1.5 : 1 across the 10 meter band. On 2m meters the swr was 1.4 - 1.7 :
>> 1 across the band. No problem bringing up the local repeaters. One
>> further test I decided to try was bringing up a few 440 repeaters.
>> Using the swr meter on the ft-817nd the swr was 2-4 bars and it did
>> not trip the high swr warning light. It worked also. Don't know if
>> this helps anyone but I thought it was interesting.
>>
>> John
>> KE7JSL
>>
>>
> When I was a Novice, 1960, I was tuning up on my foster father's dummy
> load, a couple of 150 watt bulbs in parellel. I heard a KH6 station
> calling CQ near my crystal frequency, and responded. We made contact,
> both giving each other 559 reports. He was running 50 watts to a dipole
> and I was running 30 watts to a, oh no, can't be, a pair of light bulbs!!!
>
> I switched to the antenna and we continued the QSO. I have a QSL card

> here somewhere to prove it.
>
> Point is, you really only proved it is a little better at radiating than
> a dummy load. How about some actual field strength measurements?
>
> --
> Steve Friis
> Amateur Call WM5Z
> APRS WM5Z-1 Las Cruces Igate | APRS WM5Z-2 Home | APRS WM5Z-3 RV | APRS WM5Z-15 Weather
>
> These are the humble rantings of an El Viejo Pedoro (old fart) and in no way should they influence the actions of any intelligent and sane person.
>
> [Non-text portions of this message have been removed]
>
>
>

_____
See how Windows Mobile brings your life together—at home, work, or on the go.
http://clk.atdmt.com/MRT/go/msnnkwxp1020093182mrt/direct/01/

6240. Balun connections

Yahoo group: ham-antennas (2008)
Date: 2008-10-09 14:40:44 UTC
From: Norm Blitch
Topic: 6240 Message: 6240

I am under the impression that given a simple home-brew 1/2 wave wire dipole, the use of a 1:1 Balun is better practice that just connecting the wires to a coax female and calling it a day...

Assuming that this IS correct (and please DO correct me if the above is WRONG), is there any elegant or at least passable way of TEMPORARILY connecting the wire elements to the Balun for testing/evaluating?

Right now, I can't justify the purchase of a "Bakers Dozen" Baluns to play with all the wire antennas I am contemplating!

<g>

73 de Norm KE4GAH

6241. Re: Balun connections

Yahoo group: ham-antennas (2008)
Date: 2008-10-09 15:46:56 UTC
From: gadzooks.mike
Topic: 6240 Message: 6241

Sure. You can easily just wind the wires up to test with. You could also purchase a toroid or two and wind your own up. Not difficult at all. Or try using an "ugly" balun (loops of coax) to experiment with. Lots of ways to tackle this one. Good luck!

--- In ham-antennas@yahoogroups.com, "Norm Blitch" <normblitch@...> wrote:
>
> I am under the impression that given a simple home-brew 1/2 wave wire
> dipole, the use of a 1:1 Balun is better practice that just connecting
> the wires to a coax female and calling it a day...
>
> Assuming that this IS correct (and please DO correct me if the above is
> WRONG), is there any elegant or at least passable way of TEMPORARILY
> connecting the wire elements to the Balun for testing/evaluating?
>
> Right now, I can't justify the purchase of a "Bakers Dozen" Baluns to
> play with all the wire antennas I am contemplating!
>
> <g>
>
> 73 de Norm KE4GAH
>

6242. Re: [ham-antennas] Balun connections

Yahoo group: ham-antennas (2008)
Date: 2008-10-09 15:57:42 UTC
From: Stan Labinsky Jr.
Topic: 6240 Message: 6242

Hi, Norm, a Googling of the web for "coax balun" produced many hits, this among them;

http://www.bcdxc.org/balun_information.htm#Tim,%20K3LR

Towards the end, the construction info for an air wound balun is given... just about the cheapest way you can go.

good hunting,

Stan

----- Original Message -----
From: Norm Blitch
To: ham-antennas@yahoogroups.com
Sent: Thursday, October 09, 2008 10:40 AM
Subject: [ham-antennas] Balun connections

I am under the impression that given a simple home-brew 1/2 wave wire dipole, the use of a 1:1 Balun is better practice that just connecting the wires to a coax female and calling it a day...

Assuming that this IS correct (and please DO correct me if the above is WRONG), is there any elegant or at least passable way of TEMPORARILY connecting the wire elements to the Balun for testing/evaluating?

Right now, I can't justify the purchase of a "Bakers Dozen" Baluns to play with all the wire antennas I am contemplating!

<g>

73 de Norm KE4GAH

[Non-text portions of this message have been removed]

6243. Re: 2 meter/10 meter

Yahoo group: ham-antennas (2008)
Date: 2008-10-09 16:23:18 UTC
From: wd5dhk
Topic: 6201 Message: 6243

I also have successfully used a 10 meter antenna on 2 meters. When I first was licensed in 1977, I cut a c.b. ground plane antenna to work on 10 meters. After i bought a 2 meter rig, an uncle who lived about 30 miles away wanted to work me on simplex. I could consistantly work him using the 10 meter ground plane up 40.' Although not optimal, the antenna did allow me to get on the air.
73
Ray WD5DHK

6244. Re: [ham-antennas] Balun connections

Yahoo group: ham-antennas (2008)
Date: 2008-10-09 16:26:28 UTC
From: Stan Labinsky Jr.
Topic: 6240 Message: 6244

Hi, Norm, a Googling of the web for "coax balun" produced many hits, this among them;

http://www.bcdxc.org/balun_information.htm#Tim,%20K3LR

Towards the end, the construction info for an air wound balun is given... just about the cheapest way you can go.

good hunting,

Oh, just one thing... if and when you construct your balun(s), make sure to weather seal the exposed ends of the cable. Water WILL wick into the braid and WILL degrade its "solid tube" behavior, reducing it to a bunch of fine wires laid in parallel with each other. As a shield that s##cks and you want the cable to have a good working shield, that's part of the "why it works".
And, the water can and will wick several feet up into the cable... seen it myself when having to repair antenna mounts which had been ripped out of the roofs of school buses courtesy of high speed and low tree branches. Had to go back at least a foot from the open end to find shiny braid to do a re-solder job on.

Also, the stuff I used to use as a sealant was Goodyear rubber's Pliobond adhesive. It flowed down into the weave of the shield and stayed flexible for years of being out in the weather. Probably any good rubber cement will do. Or, even one of the "silicone" rubber bathtub, etc. caulks can be worked in to the weave, I've even used DAP's Urethane adhesive with good results.

One warning about the silicone rubber products; if you smell vinegar when it's squeezed out of the tube, you DO NOT want it on your cable! What makes that smell (acetic acid) is corrosive to both copper and the metals used to make up that nice silver tinning... nuff said!

73, Stan

----- Original Message -----
From: Norm Blitch
To: ham-antennas@yahoogroups.com
Sent: Thursday, October 09, 2008 10:40 AM
Subject: [ham-antennas] Balun connections

I am under the impression that given a simple home-brew 1/2 wave wire dipole, the use of a 1:1 Balun is better practice that just connecting the wires to a coax female and calling it a day...

Assuming that this IS correct (and please DO correct me if the above is WRONG), is there any elegant or at least passable way of TEMPORARILY connecting the wire elements to the Balun for testing/evaluating?

Right now, I can't justify the purchase of a "Bakers Dozen" Baluns to play with all the wire antennas I am contemplating!

<g>

73 de Norm KE4GAH

[Non-text portions of this message have been removed]

6245. Re: [ham-antennas] Antenna Good/Bad Weather Rule???

Yahoo group: ham-antennas (2008)
Date: 2008-10-10 02:13:31 UTC
From: Doug Chlan
Topic: 6195 Message: 6245

Randy,

Thanks for that update. It's reasurring to see I'm not the only one with an XYL who doesn't get it...;)

Cheers,
Doug...

_____
Instant Messaging, free SMS, sharing photos and more... Try the new Yahoo! Canada Messenger at http://ca.beta.messenger.yahoo.com/

[Non-text portions of this message have been removed]

6246. Re: [ham-antennas] Lightning protection - very much a subject for ham radio.

Yahoo group: ham-antennas (2008)
Date: 2008-10-10 04:24:22 UTC
From: Andy
Topic: 6170 Message: 6246

> Elmo's fire. ...
> Supposedly a dense one really glows bright enough to see in broad daylight.

I've read little is known about them. Fascinating beasts. It is a rarity to have seen one up-close and, yes, interacted with it.

My father saw one in his childhood house, sizzling and "bouncing" down the staircase from the attic, leaving scorch marks as it went. Clearly visible in daylight, indoors. It reached the bottom step and exploded/dissipated.

I've seen other accounts that said when they explode, it can be like a bomb and can do serious damage.

My father's was in a house at a beach. Doesn't take a mountaintop (but I'm sure it helps). Saint Elmo's Fire was often seen in the rigging of sailing ships. In that case, the ship's mast is the biggest thing around for hundreds of miles so it's almost like being on a mountain.

One of those accounts from hams that I mentioned before, was someone who unplugged his feedline from the rig, but didn't ground it, and he saw a blue glow from the area behind his radios. It might not have been a full St. Elmo's Fire, but it was probably the same plasma that can form into ball lightning. That's why it's important to have a permanent lightning arrestor or ground strap, and not rely on manually grounding it.

Andy

6247. Balun with Yagi on VHF

Yahoo group: ham-antennas (2008)
Date: 2008-10-10 11:40:34 UTC
From: Kevin Morgan
Topic: 6240 Message: 6247

I have a question for the group regarding the use of a balun (coiled coax or otherwise) with a 2-meter Yagi. I recently converted an FM Yagi into a 2m beam and while doing swr adjustments to the gamma match noticed that I got way different readings depending on where the coax was in relation to the antenna.

Hanging straight down off the connector I was able to get a 1:1 match at 146 mHz, the frequency I was cutting for, but when I put the coax along the boom and down the support (pvc, the Yagi is sideways to the ground for vertical polarization) the swr jumped to 4:1 and the antenna became resonant at 149 mHz!

I put a couple of turns on the coax and wire tied it to the support mast and was able to get a 1.3:1 match at 146 mHz. I remember reading somewhere that Yagis are prone to feedline interaction so I'm thinking I need to incorporate a balun to stabilize it.

My question: What diameter and how many turns for this dirty balun?

Thanks for any help, I've been lurking for a while now and this is the first time I have posted.

73, Kevin AB2ZI

--
Kevin J. Morgan AB2ZI <kmorgan6@...>

My Webshots Photos http://community.webshots.com/user/kmorgan631

6248. Re: Balun connections

Yahoo group: ham-antennas (2008)
Date: 2008-10-10 18:59:27 UTC
From: Norm Blitch
Topic: 6240 Message: 6248

Stan,

Thanks for the link!

Much to be learned here... AND it pointed out a possible flaw in my olde OSCAR antenna feeds; the "drip loops" prior to window entry were "random coils"!

Does the coax-balun NEED to be at the upper feed end, or can it be placed at the entry point to serve the additional purpose of the drip loop?

73s, Norm

--- In ham-antennas@yahoogroups.com, "Stan Labinsky Jr." <stanbarb@...> wrote:
>
> Hi, Norm, a Googling of the web for "coax balun" produced many hits, this among them;
>
> http://www.bcdxc.org/balun_information.htm#Tim,%20K3LR
>
> Towards the end, the construction info for an air wound balun is given... just about the cheapest way you can go.
>
> good hunting,
>
> Oh, just one thing... if and when you construct your balun(s), make sure to weather seal the exposed ends of the cable. Water WILL wick into the braid and WILL degrade its "solid tube" behavior, reducing it to a bunch of fine wires laid in parallel with each other. As a shield that s##cks and you want the cable to have a good working shield, that's part of the "why it works".
> And, the water can and will wick several feet up into the cable... seen it myself when having to repair antenna mounts which had been ripped out of the roofs of school buses courtesy of high speed and low tree branches. Had to go back at least a foot from the open end to find shiny braid to do a re-solder job on.
>
> Also, the stuff I used to use as a sealant was Goodyear rubber's Pliobond adhesive. It flowed down into the weave of the shield and stayed flexible for years of being out in the weather. Probably any good rubber cement will do. Or, even one of the "silicone" rubber bathtub, etc. caulks can be worked in to the weave, I've even used DAP's Urethane adhesive with good results.
>

> One warning about the silicone rubber products; if you smell vinegar when it's squeezed out of the tube, you DO NOT want it on your cable! What makes that smell (acetic acid) is corrosive to both copper and the metals used to make up that nice silver tinning... nuff said!
>
> 73, Stan

6249. Re: [ham-antennas] Re: Balun connections

Yahoo group: ham-antennas (2008)
Date: 2008-10-10 21:57:37 UTC
From: Stan Labinsky Jr.
Topic: 6240 Message: 6249

----- Original Message -----
From: Norm Blitch
To: ham-antennas@yahoogroups.com
Sent: Friday, October 10, 2008 2:59 PM
Subject: [ham-antennas] Re: Balun connections

Stan,

Thanks for the link!

>Much to be learned here... AND it pointed out a possible flaw in my
>olde OSCAR antenna feeds; the "drip loops" prior to window entry
>were "random coils"!

Well, Norm, if those "random coils" are in coax, I'd expect to see no issue.
Coax length is what it needs to be to get where it's going.
If it's a bit too long and is rolled up, the only penalty would be a few
microDb of additional loss.

>Does the coax-balun NEED to be at the upper feed end, or can it be
>placed at the entry point to serve the additional purpose of the drip
>loop?

The balun, or choke should be at the antenna end.
The why, is that you're trying to reduce or eliminate RF being on the
outside of the coax which can distort your antenna's pattern and that's
where the RF would be spilling over from the inside of the shield to the
outside.
But, heres the catch, some antennas have benefitted from the extra element!
A horizontal dipole with a bit of added vertical polarization because of a
bit of RF on the shield of the vertical run of feed line. As long as it
tunes and doesn't upset equipment in the shack, it might be OK. Sometines
it can be a "crap shoot".

>73s, Norm

And to you as well!

Stan

6250. Re: Balun connections

Yahoo group: ham-antennas (2008)
Date: 2008-10-11 13:14:39 UTC
From: Norm Blitch
Topic: 6240 Message: 6250

Stan,

Correct me if I am wrong, but the take-home message is a 1-2 loop drip coil (in Coax) at the window isn't a real issue?

73s, Norm

--- In ham-antennas@yahoogroups.com, "Stan Labinsky Jr." <stanbarb@...> wrote:

> Well, Norm, if those "random coils" are in coax, I'd expect to see no issue.
> Coax length is what it needs to be to get where it's going.
> If it's a bit too long and is rolled up, the only penalty would be a few microDb of additional loss.
>
> The balun, or choke should be at the antenna end.
> The why, is that you're trying to reduce or eliminate RF being on the outside of the coax which can distort your antenna's pattern and that's where the RF would be spilling over from the inside of the shield to the outside.
> But, heres the catch, some antennas have benefitted from the extra element!
> A horizontal dipole with a bit of added vertical polarization because of a bit of RF on the shield of the vertical run of feed line. As long as it tunes and doesn't upset equipment in the shack, it might be OK. Sometines it can be a "crap shoot".
>
> >73s, Norm
>
> And to you as well!
>
> Stan
>

6251. Slopers...

Yahoo group: ham-antennas (2008)
Date: 2008-10-11 13:18:20 UTC
From: Norm Blitch
Topic: 6251 Message: 6251

... with proximate hoists...

Consider two sloper dipoles; FTSOA, a 40m and a 20m, hoisted separately, high end points only 1-2' apart. Viewed from the top, elements splayed apart 90-180 degrees. Will the non-used wire affect the one in use??

73s de Norm KE4GAH

6252. Re: [ham-antennas] Slopers...

Yahoo group: ham-antennas (2008)
Date: 2008-10-11 13:37:07 UTC
From: Steve Friis
Topic: 6251 Message: 6252

Norm Blitch wrote:
> ... with proximate hoists...
>
> Consider two sloper dipoles; FTSOA, a 40m and a 20m, hoisted
> separately, high end points only 1-2' apart. Viewed from the top,
> elements splayed apart 90-180 degrees. Will the non-used wire affect
> the one in use??
>
> 73s de Norm KE4GAH
>
>
>
I think what you are talking about would be similar to a fan dipole.

There is some interaction, but not so much that you can't use it. I have low bands on a similar idea. My 80 meter is loaded to also cover 160 meters, the 40 meter is loaded to also cover 75 meters, the 30 meter also covers 60 meters. I feed with a single coax at 38'.

Hope this is the info you are wondering about.

--
Steve Friis
Amateur Call WM5Z
APRS WM5Z-1 Las Cruces Igate | APRS WM5Z-2 Home | APRS WM5Z-3 RV | APRS WM5Z-15 Weather

These are the humble rantings of an El Viejo Pedoro (old fart) and in no way should they influence the actions of any intelligent and sane person.

6253. Re: [ham-antennas] Re: Balun connections

Yahoo group: ham-antennas (2008)
Date: 2008-10-11 13:48:23 UTC
From: Stan Labinsky Jr.
Topic: 6240 Message: 6253

While I'll probably draw some fire, Norm, I don't see it as a problem.
Actually from a lightning mitigation perspective, possibly even a good thing.
The inductance of your "drip loop" would make that path to ground less inviting, especially if those cables were coming from an already grounded tower.
Of course, they wouldn't be a suitable replacement for the grounded entrance panel, more an augmentation.

73, Stan

----- Original Message -----
From: Norm Blitch
To: ham-antennas@yahoogroups.com
Sent: Saturday, October 11, 2008 9:14 AM
Subject: [ham-antennas] Re: Balun connections

Stan,

Correct me if I am wrong, but the take-home message is a 1-2 loop drip coil (in Coax) at the window isn't a real issue?

73s, Norm

--- In ham-antennas@yahoogroups.com, "Stan Labinsky Jr." <stanbarb@...> wrote:

> Well, Norm, if those "random coils" are in coax, I'd expect to see no issue.
> Coax length is what it needs to be to get where it's going.
> If it's a bit too long and is rolled up, the only penalty would be a few microDb of additional loss.
>
> The balun, or choke should be at the antenna end.
> The why, is that you're trying to reduce or eliminate RF being on the outside of the coax which can distort your antenna's pattern and that's where the RF would be spilling over from the inside of the shield to the outside.
> But, heres the catch, some antennas have benefitted from the extra element!
> A horizontal dipole with a bit of added vertical polarization because of a bit of RF on the shield of the vertical run of feed line. As long as it tunes and doesn't upset equipment in the shack, it might be OK. Sometines it can be a "crap shoot".
>
> >73s, Norm
>
> And to you as well!
>

> Stan
>

[Non-text portions of this message have been removed]

6254. help pse

Yahoo group: ham-antennas (2008)
Date: 2008-10-11 14:52:45 UTC
From: Russell
Topic: 6254 Message: 6254

hi all
I use a battle creek tri band vert/invert L
http://www.pi4cc.nl/link/mkII.htm

wire version
Coax fed
Ive got 40m tuned no worries
Ive got 80m tuned no worries
I get 160m tuned no worries

(all tests are done with MFJ 259B)
go back and check before packing up, 40 spot on
80, swr has gone up and ohms are into the 100's
Ive tried to retune 80 but with no difference,
3 mhz 25+ swr, 100+ ohms
4mhz swr reading 15 still 100+
the best I can get is 3 on 3.700 but still 100+ ohms

just for test reasons even after 2-2.5 foot has been trimed of swr
still the same and ohms into the 100s

so to sum up
I can have 40 & 80 ok
or 40 & 160 but not all 3

in easy explained terms any thoughts

many tnx

6255. Re: Slopers...

Yahoo group: ham-antennas (2008)
Date: 2008-10-11 14:55:36 UTC
From: Norm Blitch
Topic: 6251 Message: 6255

Steve,

Thanks! Additionally, these antennas will have separate feeds, if THAT is a benefit...

73s, Norm

--- In ham-antennas@yahoogroups.com, Steve Friis <wm5z@...> wrote:

> I think what you are talking about would be similar to a fan dipole.
>
> There is some interaction, but not so much that you can't use it. I have low bands on a similar idea. My 80 meter is loaded to also cover 160 meters, the 40 meter is loaded to also cover 75 meters, the 30 meter also covers 60 meters. I feed with a single coax at 38'.
>
> Hope this is the info you are wondering about.
>
> --
> Steve Friis
> Amateur Call WM5Z

6256. Re: [ham-antennas] Re: Slopers...

Yahoo group: ham-antennas (2008)
Date: 2008-10-11 16:47:01 UTC
From: Steve Friis
Topic: 6251 Message: 6256

Norm Blitch wrote:
> Steve,
>
> Thanks! Additionally, these antennas will have separate feeds, if
> THAT is a benefit...
>
> 73s, Norm
>
> --- In ham-antennas@yahoogroups.com, Steve Friis <wm5z@...> wrote:
>
>
>> I think what you are talking about would be similar to a fan dipole.
>>
>> There is some interaction, but not so much that you can't use it. I
>>
> have low bands on a similar idea. My 80 meter is loaded to also cover
> 160 meters, the 40 meter is loaded to also cover 75 meters, the 30
> meter also covers 60 meters. I feed with a single coax at 38'.
>
>> Hope this is the info you are wondering about.
>>
>> --
>> Steve Friis
>> Amateur Call WM5Z
>>
>
>
>
>
I have to ask why?

--
Steve Friis
Amateur Call WM5Z
APRS WM5Z-1 Las Cruces Igate | APRS WM5Z-2 Home | APRS WM5Z-3 RV | APRS WM5Z-15 Weather

These are the humble rantings of an El Viejo Pedoro (old fart) and in no way should they influence the actions of any intelligent and sane person.

6257. Re: [ham-antennas] Slopers...

Yahoo group: ham-antennas (2008)
Date: 2008-10-11 17:23:06 UTC
From: Phil Bader
Topic: 6251 Message: 6257

Norm, the two slopers I assume are fed at the top on the apex of a tower. In that case I would think the tower would "hide" one from the other,so probably no interaction. Now if you use a non metalic pole, I would think the passive one would act as a reflector to the then-active one.

Phil B
Philip Bader
Polk County School Board
Intercom & Fire Alarm Electronics Systems
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakelandarc.org/
pbader@...

----- Original Message -----
From: Norm Blitch
To: ham-antennas@yahoogroups.com
Sent: Saturday, October 11, 2008 9:18 AM
Subject: [ham-antennas] Slopers...

... with proximate hoists...

Consider two sloper dipoles; FTSOA, a 40m and a 20m, hoisted separately, high end points only 1-2' apart. Viewed from the top, elements splayed apart 90-180 degrees. Will the non-used wire affect the one in use??

73s de Norm KE4GAH

No virus found in this incoming message.
Checked by AVG - http://www.avg.com
Version: 8.0.173 / Virus Database: 270.7.6/1714 - Release Date: 10/8/2008 7:01 AM

[Non-text portions of this message have been removed]

6258. Wire beam

Yahoo group: ham-antennas (2008)
Date: 2008-10-11 23:21:39 UTC
From: Bill Coulson
Topic: 6251 Message: 6258

Would someone tell me the particulars on a 80 meter wire beam, set up at ground level. Also where can I find a picture showing the installation.

Bill Coulson
Colville, WA

[Non-text portions of this message have been removed]

6259. Re: Slopers...

Yahoo group: ham-antennas (2008)
Date: 2008-10-12 12:35:53 UTC
From: Norm Blitch
Topic: 6251 Message: 6259

Steve,

Uh, because they are different antennas... one running SW-NE, and one running NW-SE for example....

Norm

--- In ham-antennas@yahoogroups.com, Steve Friis <wm5z@...> wrote:
>
> Norm Blitch wrote:

> > Thanks! Additionally, these antennas will have separate feeds, if
> > THAT is a benefit...
> >
> > 73s, Norm

> >> Steve Friis
> >> Amateur Call WM5Z
> >
> I have to ask why?
>
> --
> Steve Friis
> Amateur Call WM5Z

6260. Re: Slopers...

Yahoo group: ham-antennas (2008)
Date: 2008-10-12 12:39:53 UTC
From: Norm Blitch
Topic: 6251 Message: 6260

Phil,

Actually, neither...

I have a Harken double-block attached to the top of my (wood-frame) Chimney with a pad-eye... Two nylon halyards, each with a snap fastening to the antenna's Baluns...

73s, Norm

-- In ham-antennas@yahoogroups.com, "Phil Bader" <PBADER@...> wrote:
>
> Norm, the two slopers I assume are fed at the top on the apex of a tower. In that case I would think the tower would "hide" one from the other,so probably no interaction. Now if you use a non metalic pole, I would think the passive one would act as a reflector to the then-active one.
> Phil B

6261. slinky loop

Yahoo group: ham-antennas (2008)
Date: 2008-10-12 12:49:47 UTC
From: DAVID
Topic: 6261 Message: 6261

hi just thaught i would run this by a few of you guys first before i decide to keep it permanent or not. i have a single turn loop fed at one corner with a 48/11 turn balun and on opposite corner i have a variable resistor. the loop is in my attic and its about 6 feet high and 10 feet long and it receives usa etc on mw broadcast brilliant here in scotland. then i got a thinking how could i make the loop bigger. so i had 2 slinky toys (metal ones) and put 1 along the top of the rectangle and 1 at the bottom and it still has 2 vertical wires for the rectangle shape. with the slinkys on i "seem" to get a deeper null when tuning the resistor and the couple of irish stations in the direction the loop is beaming are up 1.5 - 2 s points. as for "dx" i wont know untill tonight/tommorow morning. any opinions on this ... thanks in advance david ... ayrshire scotland

6262. Re: [ham-antennas] Re: Slopers...

Yahoo group: ham-antennas (2008)
Date: 2008-10-12 14:45:29 UTC
From: Steve Friis
Topic: 6251 Message: 6262

Norm Blitch wrote:
> Steve,
>
> Uh, because they are different antennas... one running SW-NE, and one
> running NW-SE for example....
>
> Norm
>
> --- In ham-antennas@yahoogroups.com, Steve Friis <wm5z@...> wrote:
>
>> Norm Blitch wrote:
>>
>
>
>>> Thanks! Additionally, these antennas will have separate feeds, if
>>> THAT is a benefit...
>>>
>>> 73s, Norm
>>>
>
>
>>>> Steve Friis
>>>> Amateur Call WM5Z
>>>>
>>>
>>>
>> I have to ask why?
>>
>> --
>> Steve Friis
>> Amateur Call WM5Z
>>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 1446
members (as of 9/26/08, and attachments are NOT permitted.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>

>
>
>
Oh, I see. I had thought about using slopers at one time, but since I do
have the room for dipoles, I do. I forget some people want directivity
in one direction over another. :-D

--
Steve Friis
Amateur Call WM5Z
APRS WM5Z-1 Las Cruces Igate | APRS WM5Z-2 Home | APRS WM5Z-3 RV | APRS WM5Z-15 Weather

6263. Re: New end fed random wire antenna

Yahoo group: ham-antennas (2008)
Date: 2008-10-12 15:52:52 UTC
From: Al
Topic: 6220 Message: 6263

Chris,

Tnx for the wise sugestion.
But, I wanted to get to know the end feed antennas for use when camping. I like the idea of being able to sling shot the wire up over a tree and not having to bother with any feed lines.
BTW, I'm sending the MFJ balanced tuner back and have ordered a Palstar BT1500A balanced line tuner for the horizontal loop.

73, Al

--- In ham-antennas@yahoogroups.com, Chris <kingsqueak@...> wrote:
>
> I don't have exact math for you as to why this isn't working.
>
> I am curious, with a balanced line tuner like that, why didn't you
> just cut that 144' wire in the center and feed it with 450 Ohm window
> line or similar balanced feeder? It would work just fine 80m and up
> and be very low loss. That would be what I would do right away if you
> can physically manage that layout.
>
> I've had very temperamental and mixed results end-feeding wires. Lots
> of RF issues and the tuning range has always been *very* narrow. It
> has always been a tricky tuneup with a very narrow range of adjustment
> to achieve tune. My only other idea is whether you have enough
> experience with a manual tuner to 'catch' the tuned point or if maybe
> you are just missing it.
>
> When I say narrow, it's just barely a nudge of either the capacitor or
> the inductor to get it tuned. A tiny nudge in either direction of
> either one and it's gone again. With a balanced system, the 'play' in
> adjustment is far wider and sometimes it's actually hard due to lack
> of meter movement to determine where the sweet spot really is because
> the match range is so broad.
>
> On Mon, Oct 6, 2008 at 11:40 AM, Al <n6tez@...> wrote:
> > This weekend I put up a 144' end fed random wire, with 1/4 wave
> > counterpoise on each band. Installed a new MFJ-974HB Balanced

> > (& Random wire)Tuner.
> > Can't get it to tune up on these bands wich have 1/4 wave
counterpoises
> > installed 16" above grade, 10, 15, 20, 40, 80 & 160m. Looking for
> > suggestions.
> > Tnx, Al
> >
>

6264. End Fed Zepp question

Yahoo group: ham-antennas (2008)
Date: 2008-10-12 19:42:38 UTC
From: Jonathan Helis KB5IAV
Topic: 6264 Message: 6264

I'm planning to build an end fed zepp for 20 meters. It will be a stealth antenna since I live in close quarters with my neighbors. I'm planning to put it under a wooden carport, but it may have to zig zag a little in order to get 33 feet of wire up there.

I don't have feedline yet and haven't found any twinlead locally, so I will have to order that or some ladderline. Any ideas on which would be better?

Someone suggested I could use speaker wire to feed it, not exactly 300ohm, but it might work. I already have 2 baluns and a tuner, so those things aren't an issue.

I like working PSK31 on 20 meters and my present antenna, a 60 foot half wave open loop in the attic is kind of hit and miss on 20. I also want to get some of the RF out of the house that antenna is giving me.

Never built an end fed zepp before, but I'm anxious to try.

--
73,

Jonathan Helis, KB5IAV
Baton Rouge, Louisiana, USA

6265. Re: [ham-antennas] End Fed Zepp question

Yahoo group: ham-antennas (2008)
Date: 2008-10-13 00:25:30 UTC
From: jerry
Topic: 6264 Message: 6265

hi when i was a novice most of us started with end fed sepps with what ever we had for lead in wire which in itself was part of the antenna , i used 124 feet of copper wire out the window to a 16 ft pole across the small canyon and on forty worked VK for my first DX arill have the card using 10 watts or less with a one tube homemade transmitter and the only crystal i had, the point is end fed antennas work and our tuners was a single small variable condenser with a light ble to tell me when it was tuned up ,

go for it you might be suprised
good luck
jerry

----- Original Message ----
From: Jonathan Helis KB5IAV <kb5iav@...>
To: Ham Antennas Groups <ham-antennas@yahoogroups.com>
Sent: Sunday, October 12, 2008 12:42:38 PM
Subject: [ham-antennas] End Fed Zepp question

I'm planning to build an end fed zepp for 20 meters. It will be a stealth antenna since I live in close quarters with my neighbors. I'm planning to put it under a wooden carport, but it may have to zig zag a little in order to get 33 feet of wire up there.

I don't have feedline yet and haven't found any twinlead locally, so I will have to order that or some ladderline. Any ideas on which would be better?

Someone suggested I could use speaker wire to feed it, not exactly 300ohm, but it might work. I already have 2 baluns and a tuner, so those things aren't an issue.

I like working PSK31 on 20 meters and my present antenna, a 60 foot half wave open loop in the attic is kind of hit and miss on 20. I also want to get some of the RF out of the house that antenna is giving me.

Never built an end fed zepp before, but I'm anxious to try.

--
73,

Jonathan Helis, KB5IAV
Baton Rouge, Louisiana, USA

[Non-text portions of this message have been removed]

6266. Re: [ham-antennas] End Fed Zepp question

Yahoo group: ham-antennas (2008)
Date: 2008-10-13 01:04:20 UTC
From: Stan Labinsky Jr.
Topic: 6264 Message: 6266

John, might you be able to make it into a dipole?
My reasoning is; the center 1/8 (each side) wave could be straight and the rest zigged and still have a reasonably directive pattern and you wouldn't need to futz with the fifteen feet of twinlead, just go with your 1:1 balun and do coax. The coax wouldn't be as bothersome for how it's run, where the twinlead doesn't like running too close to anything conductive.
Also, the zepp can show RF-in-the-shack problems since the feeder really isn't truly balanced... see Cebik, et,all. The balun and coax arrangement stands a better chance of being clean.
But, then, I don't know what the layout of you're installation is, so just a thought.

73, Stan

----- Original Message -----
From: Jonathan Helis KB5IAV
To: Ham Antennas Groups
Sent: Sunday, October 12, 2008 3:42 PM
Subject: [ham-antennas] End Fed Zepp question

I'm planning to build an end fed zepp for 20 meters. It will be a stealth antenna since I live in close quarters with my neighbors. I'm planning to put it under a wooden carport, but it may have to zig zag a little in order to get 33 feet of wire up there.

I don't have feedline yet and haven't found any twinlead locally, so I will have to order that or some ladderline. Any ideas on which would be better?

Someone suggested I could use speaker wire to feed it, not exactly 300ohm, but it might work. I already have 2 baluns and a tuner, so those things aren't an issue.

I like working PSK31 on 20 meters and my present antenna, a 60 foot half wave open loop in the attic is kind of hit and miss on 20. I also want to get some of the RF out of the house that antenna is giving me.

Never built an end fed zepp before, but I'm anxious to try.

--
73,

Jonathan Helis, KB5IAV
Baton Rouge, Louisiana, USA

[Non-text portions of this message have been removed]

6267. Dipole vs End Fed Zepp for 20 meters

Yahoo group: ham-antennas (2008)
Date: 2008-10-13 01:46:54 UTC
From: Jonathan Helis KB5IAV
Topic: 6267 Message: 6267

My present antenna, a 60 foot half wave open loop in the attic, has only so so performance on 20 meters so I'm thinking of putting up another antenna for that band. My main interest right now is PSK31.

Since I live in close quarters and in a restricted community, I have to be stealthy about it so I'm going to mount it in my 19x20 foot wooden carport. I've determined ways I can put up either a dipole or an end fed zepp for 20 meters. Both antennas would have to be bent of course, but it could be done. I already have an antenna tuner(LDG Z11 Pro) and 2 different baluns, an LDG 4:1 and an MFJ 1:1/4:1 switchable balun.

The carport peak is around 15 feet off the ground, which is where most of the antenna(around 20 feet of it) will be, with the ends bent and sloping down a little.

I'm trying to determine which route would be the best way, since both antennas take up the same space. I'm trying to work all states and DX using PSK31 on 20 meters and need a better antenna to do this, so I'm trying to determine if the zepp or dipole would work better.

Also, if I go with the dipole, I'm wondering if I should feed it with coax or a balanced line like twinlead or ladder line, which I know I'll need for an end fed zepp.

If anyone has tried both an end fed zepp and a dipole, which would you go with?

Any insight is appreciated.

--
73,

Jonathan Helis, KB5IAV
Baton Rouge, Louisiana, USA

6268. 160 Antennas,

Yahoo group: ham-antennas (2008)
Date: 2008-10-13 01:52:27 UTC
From: Joe
Topic: 6268 Message: 6268

Hello All,

I'm finally getting back on HF after a 15+ year lapse. And this time have a rig that can play on a band I have never been on 160 Meters.

I am looking forward to it for sure! but of course now looking for cheap, (fixed income) antenna, that I can try to make. A simpsle dipole of course is a possibility, I could indeed stretch one between some trees I have, but even then i doubt the efficiency would be any better than some sort of an optimized sub full sized abntenna because at the wends of the diploe may at best get 30 feet off the ground, so the center I probably could have my wife hang laundry on. so doubting it would get out very well,

soo looking for suggestions of what to try.

Low trees,, maybe max 30 feet, tall
no tower,

anyone?

Joe WB9SBD

6269. Re: [ham-antennas] 160 Antennas,

Yahoo group: ham-antennas (2008)
Date: 2008-10-13 01:59:08 UTC
From: Dan Schaaf
Topic: 6268 Message: 6269

I use the G5RV as an inverted V up 30 ft.

Also, Alpha Delta makes the DX-LB for 160, 80, 40 meters.

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com "In the Beginning, there was Spark Gap"

----- Original Message -----
From: Joe
To: Ham Antennas Groups
Sent: Sunday, October 12, 2008 9:52 PM
Subject: [ham-antennas] 160 Antennas,

Hello All,

I'm finally getting back on HF after a 15+ year lapse. And this time have a rig that can play on a band I have never been on 160 Meters.

I am looking forward to it for sure! but of course now looking for cheap, (fixed income) antenna, that I can try to make. A simpsle dipole of course is a possibility, I could indeed stretch one between some trees I have, but even then i doubt the efficiency would be any better than some sort of an optimized sub full sized abntenna because at the wends of the diploe may at best get 30 feet off the ground, so the center I probably could have my wife hang laundry on. so doubting it would get out very well,

soo looking for suggestions of what to try.

Low trees,, maybe max 30 feet, tall
no tower,

anyone?

Joe WB9SBD

[Non-text portions of this message have been removed]

6270. Re: [ham-antennas] 160 Antennas,

Yahoo group: ham-antennas (2008)
Date: 2008-10-13 02:07:42 UTC
From: Harold Burton
Topic: 6268 Message: 6270

I've got a 260 foot fan dipole up just 30 feet in the center, with the ends up about 10 feet.There's also an 80 meter, 40 meter, and 17 meter set of wires, off the same feedpoint. Seems to work fairly well for me.

Harold
KD5SAK

----- Original Message -----
From: "Joe" <nss@...>
To: "Ham Antennas Groups" <ham-antennas@yahoogroups.com>
Sent: Sunday, October 12, 2008 8:52 PM
Subject: [ham-antennas] 160 Antennas,

> Hello All,
>
> I'm finally getting back on HF after a 15+ year lapse. And this time
> have a rig that can play on a band I have never been on 160 Meters.
>
> I am looking forward to it for sure! but of course now looking for
> cheap, (fixed income) antenna, that I can try to make. A simpsle
> dipole of course is a possibility, I could indeed stretch one between
> some trees I have, but even then i doubt the efficiency would be any
> better than some sort of an optimized sub full sized abntenna because
> at the wends of the diploe may at best get 30 feet off the ground, so
> the center I probably could have my wife hang laundry on. so doubting
> it would get out very well,
>
> soo looking for suggestions of what to try.
>
> Low trees,, maybe max 30 feet, tall
> no tower,
>
>
> anyone?
>
> Joe WB9SBD
>

6271. Re: [ham-antennas] 160 Antennas,

Yahoo group: ham-antennas (2008)
Date: 2008-10-13 02:10:29 UTC
From: Joe
Topic: 6268 Message: 6271

Thanks all so far that have replied so quickly!

it is encouraging to hear success stories about antennas that are at
such a horrid of a fraction of wavelength off the ground!

Thanks

Harold Burton wrote:

>I've got a 260 foot fan dipole up just 30 feet in the center, with the ends
>up about 10 feet.There's also an 80 meter, 40 meter, and 17 meter set of
>wires, off the same feedpoint. Seems to work fairly well for me.
>
>Harold
>KD5SAK
>
>----- Original Message -----
>From: "Joe" <nss@...>
>To: "Ham Antennas Groups" <ham-antennas@yahoogroups.com>
>Sent: Sunday, October 12, 2008 8:52 PM
>Subject: [ham-antennas] 160 Antennas,
>
>
>
>
>>Hello All,
>>
>>I'm finally getting back on HF after a 15+ year lapse. And this time
>>have a rig that can play on a band I have never been on 160 Meters.
>>
>>I am looking forward to it for sure! but of course now looking for
>>cheap, (fixed income) antenna, that I can try to make. A simpsle
>>dipole of course is a possibility, I could indeed stretch one between
>>some trees I have, but even then i doubt the efficiency would be any
>>better than some sort of an optimized sub full sized abntenna because
>>at the wends of the diploe may at best get 30 feet off the ground, so
>>the center I probably could have my wife hang laundry on. so doubting
>>it would get out very well,
>>
>>soo looking for suggestions of what to try.
>>
>>Low trees,, maybe max 30 feet, tall
>> no tower,
>>
>>
>>anyone?

>>
>>Joe WB9SBD
>>
>>
>>
>
>
>----------
>
>HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 1446 members (as of 9/26/08, and attachments are NOT permitted.
>Post message: ham-antennas@yahoogroups.com
>Subscribe: ham-antennas-subscribe@yahoogroups.com
>Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
>List owner: ham-antennas-owner@yahoogroups.com
>Yahoo! Groups Links
>
>
>
>
>
>
>

[Non-text portions of this message have been removed]

6272. Re: [ham-antennas] 160 Antennas,

Yahoo group: ham-antennas (2008)
Date: 2008-10-13 02:22:17 UTC
From: Dan Schaaf
Topic: 6268 Message: 6272

With these low mounted antennas, you will be limited in what you can work, but you can also depend on teh DX station's setup to aid you. If he is a big gun on 160 or has verticals and beverages, he will probably hear you. That is what I rely on, the other guy. Example, I worked VP6DX Ducie Is. on 160 SSB and CW because of their antenna arrangements.

The inverted V arrangement gets you some omni directional capability, but maybe a high angle takeoff.

I do work in to some EU areas and Carribean also.
It will be challenging but fun.

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com "In the Beginning, there was Spark Gap"

----- Original Message -----
From: Joe
To: ham-antennas@yahoogroups.com
Sent: Sunday, October 12, 2008 10:10 PM
Subject: Re: [ham-antennas] 160 Antennas,

Thanks all so far that have replied so quickly!

it is encouraging to hear success stories about antennas that are at
such a horrid of a fraction of wavelength off the ground!

Thanks

Harold Burton wrote:

>I've got a 260 foot fan dipole up just 30 feet in the center, with the ends
>up about 10 feet.There's also an 80 meter, 40 meter, and 17 meter set of
>wires, off the same feedpoint. Seems to work fairly well for me.
>
>Harold
>KD5SAK
>
>----- Original Message -----
>From: "Joe" <nss@...>
>To: "Ham Antennas Groups" <ham-antennas@yahoogroups.com>
>Sent: Sunday, October 12, 2008 8:52 PM
>Subject: [ham-antennas] 160 Antennas,
>
>
>
>
>>Hello All,

>>
>>I'm finally getting back on HF after a 15+ year lapse. And this time
>>have a rig that can play on a band I have never been on 160 Meters.
>>
>>I am looking forward to it for sure! but of course now looking for
>>cheap, (fixed income) antenna, that I can try to make. A simpsle
>>dipole of course is a possibility, I could indeed stretch one between
>>some trees I have, but even then i doubt the efficiency would be any
>>better than some sort of an optimized sub full sized abntenna because
>>at the wends of the diploe may at best get 30 feet off the ground, so
>>the center I probably could have my wife hang laundry on. so doubting
>>it would get out very well,
>>
>>soo looking for suggestions of what to try.
>>
>>Low trees,, maybe max 30 feet, tall
>> no tower,
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>>anyone?
>>
>>Joe WB9SBD
>>
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>
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>----------
>
>HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 1446
members (as of 9/26/08, and attachments are NOT permitted.
>Post message: ham-antennas@yahoogroups.com
>Subscribe: ham-antennas-subscribe@yahoogroups.com
>Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
>List owner: ham-antennas-owner@yahoogroups.com
>Yahoo! Groups Links
>
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>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

6273. Re: [SPAM][ham-antennas] 160 Antennas,

Yahoo group: ham-antennas (2008)
Date: 2008-10-13 02:27:56 UTC
From: Gary
Topic: 6268 Message: 6273

Take a look at this website, looks to be reasonable, thou I have not tried it ,as I'm never home ;-) http://users.erols.com/k3mt/inv_u/u_160.htm

73 W4GNS

----- Original Message -----
From: Joe
To: Ham Antennas Groups
Sent: Sunday, October 12, 2008 9:52 PM
Subject: [SPAM][ham-antennas] 160 Antennas,

Hello All,

I'm finally getting back on HF after a 15+ year lapse. And this time have a rig that can play on a band I have never been on 160 Meters.

I am looking forward to it for sure! but of course now looking for cheap, (fixed income) antenna, that I can try to make. A simpsle dipole of course is a possibility, I could indeed stretch one between some trees I have, but even then i doubt the efficiency would be any better than some sort of an optimized sub full sized abntenna because at the wends of the diploe may at best get 30 feet off the ground, so the center I probably could have my wife hang laundry on. so doubting it would get out very well,

soo looking for suggestions of what to try.

Low trees,, maybe max 30 feet, tall
no tower,

anyone?

Joe WB9SBD

[Non-text portions of this message have been removed]

6274. Re: [ham-antennas] 160 Antennas,

Yahoo group: ham-antennas (2008)
Date: 2008-10-13 04:19:45 UTC
From: Steve Friis
Topic: 6268 Message: 6274

Joe wrote:
> Hello All,
>
> I'm finally getting back on HF after a 15+ year lapse. And this time
> have a rig that can play on a band I have never been on 160 Meters.
>
> I am looking forward to it for sure! but of course now looking for
> cheap, (fixed income) antenna, that I can try to make. A simpsle
> dipole of course is a possibility, I could indeed stretch one between
> some trees I have, but even then i doubt the efficiency would be any
> better than some sort of an optimized sub full sized abntenna because
> at the wends of the diploe may at best get 30 feet off the ground, so
> the center I probably could have my wife hang laundry on. so doubting
> it would get out very well,
>
> soo looking for suggestions of what to try.
>
> Low trees,, maybe max 30 feet, tall
> no tower,
>
>
> anyone?
>
> Joe WB9SBD
>

I am using a sort of fan dipole. The top wires are a full sized 80 meter dipole with chokes of 100 turns on a 1.825" PVC form on the end and another 22 feet on each leg to make it a 160 meter shortened dipole. The SWR is below 3:1 from 1805 through 1875.

The next leg down is a full sized 40 meter dipole with chokes of 57 turns on PVC and 12 foot long extention legs to give me 75 meters. This plus the first legs give me full coverage on 3.5 to 3.990 with less than 3:1 for the whole band.

The third leg down is a full sized 30 meter dipole with chokes on the ends with 20 feet added to give me 60 meters with less than 2:1 on either band.

On 160 and 75/80 it is a cloud burner, but it is up only 38 ft in the center. 40 and 30 works well both day and night. I use something else on 20 and up, and don't want to confuse the issue.

--
Steve Friis

Amateur Call WM5Z
APRS WM5Z-1 Las Cruces Igate | APRS WM5Z-2 Home | APRS WM5Z-3 RV | APRS WM5Z-15 Weather

These are the humble rantings of an El Viejo Pedoro (old fart) and in no way should they influence the actions of any intelligent and sane person.

6275. Re: [ham-antennas] 160 Antennas,

Yahoo group: ham-antennas (2008)
Date: 2008-10-13 07:34:17 UTC
From: Walter A. Breining
Topic: 6268 Message: 6275

Joe:

If you can, I would go with the dipole. Place the center in a tree and have the ends no higher than the center. The ends slightly below the center would be optimum. You will be surprised how well this will work on 160.

Another alternative would be a closed loop 500 ft total length fed with balanced line. It does not have to be perfectly square or round so it can use the trees. It will require a tuner capable of tuning to an antenna with balanced line on 160. This can be used on all bands.

A ? wave or ? wire fed against a ground system will also work. If you go this route let us know and we will give you more details about the location of the coax and the ground system.

Vy 73, Walt, N9WB

----- Original Message -----
From: Joe
To: Ham Antennas Groups
Sent: Sunday, October 12, 2008 21:52
Subject: [ham-antennas] 160 Antennas,

Hello All,

I'm finally getting back on HF after a 15+ year lapse. And this time have a rig that can play on a band I have never been on 160 Meters.

I am looking forward to it for sure! but of course now looking for cheap, (fixed income) antenna, that I can try to make. A simpsle dipole of course is a possibility, I could indeed stretch one between some trees I have, but even then i doubt the efficiency would be any better than some sort of an optimized sub full sized abntenna because at the wends of the diploe may at best get 30 feet off the ground, so the center I probably could have my wife hang laundry on. so doubting it would get out very well,

soo looking for suggestions of what to try.

Low trees,, maybe max 30 feet, tall
no tower,

anyone?

Joe WB9SBD

No virus found in this incoming message.
Checked by AVG - http://www.avg.com

Version: 8.0.173 / Virus Database: 270.8.0/1721 - Release Date: 10/12/2008 12:00

6276. Re: End Fed Zepp question-ladder line source

Yahoo group: ham-antennas (2008)
Date: 2008-10-13 15:26:23 UTC
From: Al
Topic: 6264 Message: 6276

Jonathan,

This ladderline has a high rating on eham.net

http://www.w7fg.net/

Al N6TEZ

-- In ham-antennas@yahoogroups.com, Jonathan Helis KB5IAV
<kb5iav@...> wrote:
>
> I'm planning to build an end fed zepp for 20 meters. It will be a
> stealth antenna since I live in close quarters with my neighbors.
I'm
> planning to put it under a wooden carport, but it may have to zig
zag a
> little in order to get 33 feet of wire up there.
>
> I don't have feedline yet and haven't found any twinlead locally,
so I
> will have to order that or some ladderline. Any ideas on which
would be
> better?
>
> Someone suggested I could use speaker wire to feed it, not exactly
> 300ohm, but it might work. I already have 2 baluns and a tuner, so
> those things aren't an issue.
>
> I like working PSK31 on 20 meters and my present antenna, a 60 foot
half
> wave open loop in the attic is kind of hit and miss on 20. I also
want
> to get some of the RF out of the house that antenna is giving me.
>
> Never built an end fed zepp before, but I'm anxious to try.
>
> --
> 73,
>
> Jonathan Helis, KB5IAV
> Baton Rouge, Louisiana, USA
>

6277. Re: End Fed Zepp question

Yahoo group: ham-antennas (2008)
Date: 2008-10-13 15:32:34 UTC
From: Al
Topic: 6264 Message: 6277

Jonathan,

This site has a pretty good article on ladder line and building your own. Better than most store bought ! Let us know if you go this route.

http://www.athensarc.org/ladder.asp

73, Al N6TEZ

--- In ham-antennas@yahoogroups.com, Jonathan Helis KB5IAV <kb5iav@...> wrote:
>
> I'm planning to build an end fed zepp for 20 meters. It will be a
> stealth antenna since I live in close quarters with my neighbors. I'm
> planning to put it under a wooden carport, but it may have to zig zag a
> little in order to get 33 feet of wire up there.
>
> I don't have feedline yet and haven't found any twinlead locally, so I
> will have to order that or some ladderline. Any ideas on which would be
> better?
>
> Someone suggested I could use speaker wire to feed it, not exactly
> 300ohm, but it might work. I already have 2 baluns and a tuner, so
> those things aren't an issue.
>
> I like working PSK31 on 20 meters and my present antenna, a 60 foot half
> wave open loop in the attic is kind of hit and miss on 20. I also want
> to get some of the RF out of the house that antenna is giving me.
>
> Never built an end fed zepp before, but I'm anxious to try.
>
> --
> 73,
>
> Jonathan Helis, KB5IAV
> Baton Rouge, Louisiana, USA
>

6278. AW: [ham-antennas] 160 Antennas,

Yahoo group: ham-antennas (2008)
Date: 2008-10-13 18:51:34 UTC
From: Siegfried Jackstien
Topic: 6268 Message: 6278

i use a fullsize loop for topband on ANY band .... work very well but you have to have the space for it :-)
best 73´s de dg9bfc
sigi
-----Ursprüngliche Nachricht-----
Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]Im Auftrag von Walter A. Breining
Gesendet: Montag, 13. Oktober 2008 07:34
An: ham-antennas@yahoogroups.com
Betreff: Re: [ham-antennas] 160 Antennas,

Joe:

If you can, I would go with the dipole. Place the center in a tree and have
the ends no higher than the center. The ends slightly below the center would
be optimum. You will be surprised how well this will work on 160.

Another alternative would be a closed loop 500 ft total length fed with
balanced line. It does not have to be perfectly square or round so it can
use the trees. It will require a tuner capable of tuning to an antenna with
balanced line on 160. This can be used on all bands.

A ¼ wave or ¾ wire fed against a ground system will also work. If you go
this route let us know and we will give you more details about the location
of the coax and the ground system.

Vy 73, Walt, N9WB

----- Original Message -----
From: Joe
To: Ham Antennas Groups
Sent: Sunday, October 12, 2008 21:52
Subject: [ham-antennas] 160 Antennas,

Hello All,

I'm finally getting back on HF after a 15+ year lapse. And this time
have a rig that can play on a band I have never been on 160 Meters.

I am looking forward to it for sure! but of course now looking for
cheap, (fixed income) antenna, that I can try to make. A simpsle
dipole of course is a possibility, I could indeed stretch one between
some trees I have, but even then i doubt the efficiency would be any

better than some sort of an optimized sub full sized abntenna because at the wends of the diploe may at best get 30 feet off the ground, so the center I probably could have my wife hang laundry on. so doubting it would get out very well,

soo looking for suggestions of what to try.

Low trees,, maybe max 30 feet, tall
no tower,

anyone?

Joe WB9SBD

No virus found in this incoming message.
Checked by AVG - http://www.avg.com
Version: 8.0.173 / Virus Database: 270.8.0/1721 - Release Date: 10/12/2008 12:00

[Non-text portions of this message have been removed]

6279. Re: help pse

Yahoo group: ham-antennas (2008)
Date: 2008-10-13 19:18:58 UTC
From: gadzooks.mike
Topic: 6254 Message: 6279

If it's the same thing I ran into, it's a pain to find.

I have a nice OCF dipole (I know it's nice, because I made it!) that I can tune on 75 and 20 or 40 and 20, but not all 3. If I put three 14 inch diameter loops into the feedline in my shack, it tunes up for 40m. If I separate the loops, it tunes up for 75, but 40m goes to an SWR of 2.5:1. All the while, 20m remains unchanged.

I spent most of one day puzzling it out, but I have to admit, the cats enjoyed helping me play with the coax!

Good luck!

--- In ham-antennas@yahoogroups.com, "Russell" <russell@...> wrote:
>
> hi all
> I use a battle creek tri band vert/invert L
> http://www.pi4cc.nl/link/mkII.htm
>
> wire version
> Coax fed
> Ive got 40m tuned no worries
> Ive got 80m tuned no worries
> I get 160m tuned no worries
>
> (all tests are done with MFJ 259B)
> go back and check before packing up, 40 spot on
> 80, swr has gone up and ohms are into the 100's
> Ive tried to retune 80 but with no difference,
> 3 mhz 25+ swr, 100+ ohms
> 4mhz swr reading 15 still 100+
> the best I can get is 3 on 3.700 but still 100+ ohms
>
> just for test reasons even after 2-2.5 foot has been trimed of swr
> still the same and ohms into the 100s
>
> so to sum up
> I can have 40 & 80 ok
> or 40 & 160 but not all 3
>
> in easy explained terms any thoughts
>
> many tnx
>

6280. Re: [ham-antennas] Re: help pse

Yahoo group: ham-antennas (2008)
Date: 2008-10-14 00:12:43 UTC
From: Stan Labinsky Jr.
Topic: 6254 Message: 6280

Mike, it looks from your write-up like you're using coax to feed the antenna, if so I suspect that you have RF on the cable's shield.
Under those circumstances, what's happening is that the feed line is acting as part of the antenna and is radiating some signal, that's why you can tune it in the shack the way you describe. Problem here is that your radio and tuner are part of the antenna as well.

A 1:1 current balun or coax choke up at the antenna end of the cable should correct the RF leakage problem, but you may wind up being disappointed by its not tuning any better, and possibly even worse. Add to that, the lost radiation from the shield may actually reduce the antenna's effectiveness in some situations.

As long as you're not interfering with your shack equipment or the stereo in the next room, it might be something you can live / work with.

One question comes to mind, though... do you have the cable grounded where it enters your house? Lightning is NOT someone you want to invite in for tea.

Ham radio... stuff to tinker with.

Have fun, but be safe!

Stan

----- Original Message -----
From: gadzooks.mike
To: ham-antennas@yahoogroups.com
Sent: Monday, October 13, 2008 3:18 PM
Subject: [ham-antennas] Re: help pse

If it's the same thing I ran into, it's a pain to find.

I have a nice OCF dipole (I know it's nice, because I made it!) that
I can tune on 75 and 20 or 40 and 20, but not all 3. If I put three
14 inch diameter loops into the feedline in my shack, it tunes up for
40m. If I separate the loops, it tunes up for 75, but 40m goes to an
SWR of 2.5:1. All the while, 20m remains unchanged.

I spent most of one day puzzling it out, but I have to admit, the
cats enjoyed helping me play with the coax!

Good luck!

--- In ham-antennas@yahoogroups.com, "Russell" <russell@...> wrote:
>
> hi all
> I use a battle creek tri band vert/invert L
> http://www.pi4cc.nl/link/mkII.htm
>

> wire version
> Coax fed
> Ive got 40m tuned no worries
> Ive got 80m tuned no worries
> I get 160m tuned no worries
>
> (all tests are done with MFJ 259B)
> go back and check before packing up, 40 spot on
> 80, swr has gone up and ohms are into the 100's
> Ive tried to retune 80 but with no difference,
> 3 mhz 25+ swr, 100+ ohms
> 4mhz swr reading 15 still 100+
> the best I can get is 3 on 3.700 but still 100+ ohms
>
> just for test reasons even after 2-2.5 foot has been trimed of swr
> still the same and ohms into the 100s
>
> so to sum up
> I can have 40 & 80 ok
> or 40 & 160 but not all 3
>
> in easy explained terms any thoughts
>
> many tnx
>

[Non-text portions of this message have been removed]

6281. Re: End Fed Zepp question

Yahoo group: ham-antennas (2008)
Date: 2008-10-14 01:33:34 UTC
From: Jonathan Helis KB5IAV
Topic: 6264 Message: 6281

> 3c. Re: End Fed Zepp question
> Posted by: "Stan Labinsky Jr." stanbarb@... wa2puq
> Date: Sun Oct 12, 2008 6:15 pm ((PDT))
>
> John, might you be able to make it into a dipole?
> My reasoning is; the center 1/8 (each side) wave could be straight and the rest zigged and still have a reasonably directive pattern and you wouldn't need to futz with the fifteen feet of twinlead, just go with your 1:1 balun and do coax. The coax wouldn't be as bothersome for how it's run, where the twinlead doesn't like running too close to anything conductive.
> Also, the zepp can show RF-in-the-shack problems since the feeder really isn't truly balanced... see Cebik, et,all. The balun and coax arrangement stands a better chance of being clean.
> But, then, I don't know what the layout of you're installation is, so just a thought.
>
> 73, Stan

Right after I posted my first message, I started thinking about putting up a dipole instead, so I posted that question to the list too.

One thing I've been thinking about is multiband operation for the bands 20, 17, 15, 12, and 10, so today I started thinking of perhaps a trap dipole. That could be fed with coax so I wouldn't have to deal with the hassles of twinlead, ladderline, etc. I know there are advantages and disadvantages to them, but I've never worked with one before and it might be fun to give it a shot.

Now I just need to find some good resources on constructing one.

--
73,

Jonathan Helis, KB5IAV
Baton Rouge, Louisiana, USA

6282. Under the Eves Loop

Yahoo group: ham-antennas (2008)
Date: 2008-10-14 07:08:47 UTC
From: Dennis
Topic: 6282 Message: 6282

I would like to try a loop antenna under the eves of the roof which would be out of the way, as far as visually, for my wife. The house is 75 feet in length and 25 feet in width. On each end of the house, west and east, is a small rising gable. The total length of the wire would be approx. 200 feet to 210 feet. I'm thinking of using 16 or 14 guage insulated wire. I haven't any experience in loop antennas but if the height above ground is abt 10 feet on the long sides and alittle higher on the gable ends would it be a good design to do a decent job on most of the bands? Thanks for your responses in advance.

73, Dennis (KA6GDT)

[Non-text portions of this message have been removed]

6283. Re: [ham-antennas] Under the Eves Loop

Yahoo group: ham-antennas (2008)
Date: 2008-10-14 12:07:55 UTC
From: Alan Wilson
Topic: 6282 Message: 6283

Feed it with 450 ladderline and it will work pretty good, maybe even tune up on 75 with a good tuner. Any antenna is better than no antenna..73, Alan

On 10/14/08, Dennis <wdwyman@...> wrote:
>
>
> I would like to try a loop antenna under the eves of the roof which
> would be out of the way, as far as visually, for my wife. The house is
> 75 feet in length and 25 feet in width. On each end of the house, west
> and east, is a small rising gable. The total length of the wire would
> be approx. 200 feet to 210 feet. I'm thinking of using 16 or 14 guage
> insulated wire. I haven't any experience in loop antennas but if the
> height above ground is abt 10 feet on the long sides and alittle higher
> on the gable ends would it be a good design to do a decent job on most
> of the bands? Thanks for your responses in advance.
>
> 73, Dennis (KA6GDT)
>
> [Non-text portions of this message have been removed]
>
>
>

--
Alan Wilson
67 Bullseye Lane
Victor, MT 59875
http://montanaham.tripod.com

[Non-text portions of this message have been removed]

6284. Re: help pse

Yahoo group: ham-antennas (2008)
Date: 2008-10-14 13:42:14 UTC
From: gadzooks.mike
Topic: 6254 Message: 6284

Thanks, Stan, and yes. :) I do have it grounded and you're right about the coax - at least, that's what I came up with as well. Since it isn't a problem and I can "tune" it from inside the shack without using a tuner, I'm pretty content.

--- In ham-antennas@yahoogroups.com, "Stan Labinsky Jr." <stanbarb@...> wrote:
>
> Mike, it looks from your write-up like you're using coax to feed the antenna, if so I suspect that you have RF on the cable's shield.
> Under those circumstances, what's happening is that the feed line is acting as part of the antenna and is radiating some signal, that's why you can tune it in the shack the way you describe. Problem here is that your radio and tuner are part of the antenna as well.
>
> A 1:1 current balun or coax choke up at the antenna end of the cable should correct the RF leakage problem, but you may wind up being disappointed by its not tuning any better, and possibly even worse. Add to that, the lost radiation from the shield may actually reduce the antenna's effectiveness in some situations.
>
> As long as you're not interfering with your shack equipment or the stereo in the next room, it might be something you can live / work with.
>
> One question comes to mind, though... do you have the cable grounded where it enters your house? Lightning is NOT someone you want to invite in for tea.
>
> Ham radio... stuff to tinker with.
>
> Have fun, but be safe!
>
> Stan
>
> ----- Original Message -----
> From: gadzooks.mike
> To: ham-antennas@yahoogroups.com
> Sent: Monday, October 13, 2008 3:18 PM
> Subject: [ham-antennas] Re: help pse
>
>
> If it's the same thing I ran into, it's a pain to find.
>
> I have a nice OCF dipole (I know it's nice, because I made it!)

that
> I can tune on 75 and 20 or 40 and 20, but not all 3. If I put three
> 14 inch diameter loops into the feedline in my shack, it tunes up
for
> 40m. If I separate the loops, it tunes up for 75, but 40m goes to
an
> SWR of 2.5:1. All the while, 20m remains unchanged.
>
> I spent most of one day puzzling it out, but I have to admit, the
> cats enjoyed helping me play with the coax!
>
> Good luck!
>
> --- In ham-antennas@yahoogroups.com, "Russell" <russell@> wrote:
> >
> > hi all
> > I use a battle creek tri band vert/invert L
> > http://www.pi4cc.nl/link/mkII.htm
> >
> > wire version
> > Coax fed
> > Ive got 40m tuned no worries
> > Ive got 80m tuned no worries
> > I get 160m tuned no worries
> >
> > (all tests are done with MFJ 259B)
> > go back and check before packing up, 40 spot on
> > 80, swr has gone up and ohms are into the 100's
> > Ive tried to retune 80 but with no difference,
> > 3 mhz 25+ swr, 100+ ohms
> > 4mhz swr reading 15 still 100+
> > the best I can get is 3 on 3.700 but still 100+ ohms
> >
> > just for test reasons even after 2-2.5 foot has been trimed of
swr
> > still the same and ohms into the 100s
> >
> > so to sum up
> > I can have 40 & 80 ok
> > or 40 & 160 but not all 3
> >
> > in easy explained terms any thoughts
> >
> > many tnx
> >
>
>
>
>
>

> [Non-text portions of this message have been removed]
>

6285. 52-75 ohm broadband transformer

Yahoo group: ham-antennas (2008)
Date: 2008-10-14 14:32:11 UTC
From: Doug Chlan
Topic: 6285 Message: 6285

Hello All,
Found an interesting article in the 17th edition of the ARRL Antenna Handbook. a 52 - 75 ohm broadband transformer so that 75 ohm tv coax can be used. Does anybody know if a company makes these? (MFJ etc...) Any help appreciated.

Cheers!
Doug...
VA30005SWL

_____
Ask a question on any topic and get answers from real people. Go to Yahoo! Answers and share what you know at http://ca.answers.yahoo.com

[Non-text portions of this message have been removed]

6286. Inverted - Inverted V

Yahoo group: ham-antennas (2008)
Date: 2008-10-14 15:17:06 UTC
From: Pete Mihnovets
Topic: 6286 Message: 6286

Ok, I am trying to understand why inverted V antennas have the feedpoint at the top.

Is it possible to change the configuration so that the feedpoint is at ground level with the to legs at the top.

Seems that your feedline would be shorter for very tall installations and grounding at the feedpoint easier.

Any thoughts???? I am sure I am not the first one to ask this question.

73 Pete

KI4RBD

6287. Re: [ham-antennas] Inverted - Inverted V

Yahoo group: ham-antennas (2008)
Date: 2008-10-14 15:58:36 UTC
From: vaclav sal
Topic: 6286 Message: 6287

Pete,
Check the bottom of page 153 in Carr's book - inverted V changes radiation pattern, impedance and of course length for desired resonance as opposed to dipole - by changing the height above ground reference.

Regular V would probably do the same and would be nice to experiment with or just model it. I think the proximity of feed point to ground would have the most undesired effect - for comparison check the impedance and radiation patter of plain dipole versus height above ground.

It always puzzles me why some hams strive for tall towers knowing that after the antenna is above half wavelength above ground it develops multiple vertical lobes thus spreading the effective power.
The inverted V does just the opposite.

Here is the link

http://books.google.com/books?id=f3asJreno0YC&pg=PA144&AN>;lpg=PA144&dq=dipole+radiation++%22versus+height+%22&source=web&ots=068sccmFIM&sig=dEUkIqlr10DmeVvLAUXWLl1n3W4&hl=en&sa=X&oi=book_result&resnum=3&ct=result#PPA153,M1

--- On Tue, 10/14/08, Pete Mihnovets <pmihnovets@...> wrote:

From: Pete Mihnovets <pmihnovets@...>
Subject: [ham-antennas] Inverted - Inverted V
To: ham-antennas@yahoogroups.com
Date: Tuesday, October 14, 2008, 8:17 AM

Ok, I am trying to understand why inverted V antennas have the
feedpoint at the top.

Is it possible to change the configuration so that the feedpoint is at
ground level with the to legs at the top.

Seems that your feedline would be shorter for very tall installations
and grounding at the feedpoint easier.

Any thoughts???? I am sure I am not the first one to ask this question.

73 Pete

KI4RBD

[Non-text portions of this message have been removed]

6288. Re: 52-75 ohm broadband transformer

Yahoo group: ham-antennas (2008)
Date: 2008-10-14 16:50:13 UTC
From: iam9z4cp
Topic: 6285 Message: 6288

Hi Doug,
Never mind about the slight mis-match introduced by using 75 ohm coax. If your is SWR 1:1 using 50 ohm coax,then it will be 1.5:1 using 75 ohm CATV line. Seeing that you are SWL, you don't need to worry about it at all. Of course, if you want, you could cut the 75 ohm cable in 1/2 wave multiples of your operating frequency.

The purists here may hurl radioese at me for suggesting that, but I have used 1/2 inch 75 ohm CATV hardline for years at VHF and what can I say? It works!

Have a look at
http://k5dwj.com/ham_hardline_more.htm
for supporting info. If you Google you will probably find lots more info.

If you REALLY want to use an adapter, MFJ makes one or you could build your own. Have a look at
http://www.repeater-builder.com/rbtip/matchingstubs.html
for info on that. I built 2 of these and I found it to be much more effort than it was worth.

Eric 9Z4CP.

--- In ham-antennas@yahoogroups.com, Doug Chlan <dxreddog@...> wrote:
>
> Hello All,
> Found an interesting article in the 17th edition of the ARRL Antenna Handbook. a 52 - 75 ohm broadband transformer so that 75 ohm tv coax can be used. Does anybody know if a company makes these? (MFJ etc...) Any help appreciated.
>
> Cheers!
> Doug...
> VA30005SWL
>
>
> _____
> Ask a question on any topic and get answers from real people. Go to Yahoo! Answers and share what you know at http://ca.answers.yahoo.com
>
> [Non-text portions of this message have been removed]
>

6289. Re: [ham-antennas] Re: 52-75 ohm broadband transformer

Yahoo group: ham-antennas (2008)
Date: 2008-10-14 17:15:38 UTC
From: Doug Chlan
Topic: 6285 Message: 6289

Hi Eric,
Thanks for the reply. Yes I am SWL right now but I have written and passed the Basic Amateur Radio exam here in Canada and am just patiently waiting for my license. The 75 ohm coax is going to be used with my main HF antenna so I want to do this right. You say MFJ makes a transformer, do you happen to know the model # ?

Cheers!
Doug...

_____
Get a sneak peak at messages with a handy reading pane with All new Yahoo! Mail:
http://ca.promos.yahoo.com/newmail/overview2/

[Non-text portions of this message have been removed]

6290. Re: [ham-antennas] Inverted - Inverted V

Yahoo group: ham-antennas (2008)
Date: 2008-10-14 21:41:21 UTC
From: Steve Friis
Topic: 6286 Message: 6290

Pete Mihnovets wrote:
> Ok, I am trying to understand why inverted V antennas have the
> feedpoint at the top.
>
> Is it possible to change the configuration so that the feedpoint is at
> ground level with the to legs at the top.
>
> Seems that your feedline would be shorter for very tall installations
> and grounding at the feedpoint easier.
>
> Any thoughts???? I am sure I am not the first one to ask this question.
>
> 73 Pete
>
> KI4RBD
>
>
>
There actually is a commercial antenna manufactured along those lines, but it isn't truly an inverted vee. It is sold as a broadband antenna. This antenna has a large ferrite bead at the feed point. It also runs a wire along the ground sort of like a radial. This radial is grounded. The far end of the wire radiator is terminated in a resistor.

The problem with these antenna is that pesky resistor. They absorb RF energy that isn't radiated.

The inverted vee is a fabulous antenna for general amateur work. It can be coaxially fed at the center, or fed with balanced feed such as window line and in this configuration works great on odd frequency multiples. It also can be off center fed, often at the 42% mark. This lets it work even harmonics, but not the odd multiples. So, an 80 meter version will work at 3.5, 7, 12 and 28 MHz, in theory. In practice, end effects play havoc on the upper bands. If you go with coaxial feed, then you will want a balun at the feed point. 1:1 works great if center fed, and 9:1 or 450 Ohms is acceptable on the OCF version. You can move the feed point around and make it "see" other impedance points, so a 4:1 wants a 200 ohm point. To do this, you really need to get yourself a copy of antenna modeling software.

--
Steve Friis
Amateur Call WM5Z
APRS WM5Z-1 Las Cruces Igate | APRS WM5Z-2 Home | APRS WM5Z-3 RV | APRS WM5Z-15 Weather

These are the humble rantings of an El Viejo Pedoro (old fart) and in no way should they influence the actions of any intelligent and sane person.

6291. OCF Dipole

Yahoo group: ham-antennas (2008)
Date: 2008-10-15 01:30:03 UTC
From: Jonathan Helis KB5IAV
Topic: 6 Message: 6291

The latest idea I've brainstormed is an OCF dipole. I was thinking of building one for 20-10 meters, mainly due to space limitations and the need for stealth. I've caculated it would need to be around 34 feet long to load on 20 and I would need a 4:1 balun. I already have a preassembled length of coax to connect to it and a huge spool of wire I bought cheaply on Ebay over a year ago that wants to be made into antennas<grin>.

In my research, I've read about a no-tuner OCF that was 135 feet long and gave good SWR on most of the ham bands. Mine won't be this long, but I'm wondering if I would acehieve similar results. Has anyone else tried this?

It probably doesn't matter much, since I already have 2 tuners, a homebrew and an LDG Z-11 Pro autotuner.

I know I keep clogging up the list, but since my XYL's shortwave antenna was taken down during Gustav and she isn't interested in putting another one there, I want to make use of the space. I do alot of operating on weekend afternoons when 20 is open, alot of PSK31, and would like to be able to get some RF out of the house I'm having due to my other antenna being in the attic.

This list has been very helpful to me so far, and to others. Nice people here always willing to help with advice.

Thanks!

--
73,

Jonathan Helis, KB5IAV
Baton Rouge, Louisiana, USA

6292. Re: [ham-antennas] Re: 52-75 ohm broadband transformer

Yahoo group: ham-antennas (2008)
Date: 2008-10-15 11:51:31 UTC
From: Walter A. Breining
Topic: 6285 Message: 6292

Some years ago, I played around with 75-ohm hard line and 50 ohm antennas. I tried all kinds of matching schemes. The loss in the matching sections particularly in the additional connectors was far greater than the loss caused by the ever so slight mismatch.

I concluded that the best way to match a 50 ohm antenna to 75 ohm line is to close your eyes and repeat after Me: "this is 50 ohm line". Then treat it as such.

Vy 73, Walt, N9WB

----- Original Message -----
From: iam9z4cp
To: ham-antennas@yahoogroups.com
Sent: Tuesday, October 14, 2008 12:50
Subject: [ham-antennas] Re: 52-75 ohm broadband transformer

Hi Doug,
Never mind about the slight mis-match introduced by using 75 ohm coax. If your is SWR 1:1 using 50 ohm coax,then it will be 1.5:1 using 75 ohm CATV line. Seeing that you are SWL, you don't need to worry about it at all. Of course, if you want, you could cut the 75 ohm cable in 1/2 wave multiples of your operating frequency.

The purists here may hurl radioese at me for suggesting that, but I have used 1/2 inch 75 ohm CATV hardline for years at VHF and what can I say? It works!

Have a look at
http://k5dwj.com/ham_hardline_more.htm
for supporting info. If you Google you will probably find lots more info.

If you REALLY want to use an adapter, MFJ makes one or you could build your own. Have a look at
http://www.repeater-builder.com/rbtip/matchingstubs.html
for info on that. I built 2 of these and I found it to be much more effort than it was worth.

Eric 9Z4CP.

--- In ham-antennas@yahoogroups.com, Doug Chlan <dxreddog@...> wrote:
>
> Hello All,
> Found an interesting article in the 17th edition of the ARRL Antenna Handbook. a 52 - 75 ohm broadband transformer so that 75 ohm tv coax can be used. Does anybody know if a company makes these? (MFJ etc...) Any help appreciated.

>
> Cheers!
> Doug...
> VA30005SWL
>
>
> _____
> Ask a question on any topic and get answers from real people. Go to
Yahoo! Answers and share what you know at http://ca.answers.yahoo.com
>
> [Non-text portions of this message have been removed]
>

No virus found in this incoming message.
Checked by AVG - http://www.avg.com
Version: 8.0.173 / Virus Database: 270.8.0/1724 - Release Date: 10/14/2008
02:02

6293. Re: [ham-antennas] Re: 52-75 ohm broadband transformer

Yahoo group: ham-antennas (2008)
Date: 2008-10-15 13:28:53 UTC
From: ka9zap
Topic: 6285 Message: 6293

Exactly you nailed it Walter

I have a friend now a sk who worked over 200 grids
on 144 mhz using left over cable tv 1/2 " hard line he
got for free, nothing fancy 180 watts single boomer.

He made his own adapter connectors with hardware
store plumbing brass fittings he did this with out a
machine shop just hand tools.

[snip]
close your eyes and repeat after Me: "this is 50 ohm line".
Then treat it as such
[snip]

Regards
Art
ka9zap

6294. 80 meter double bazooka from 75 ohm cable

Yahoo group: ham-antennas (2008)
Date: 2008-10-15 13:41:43 UTC
From: Bruce E. White
Topic: 6294 Message: 6294

I am interested in constructing a double bazooka from a length of Belden 9114 (75 ohm RG6) that I was given. Most plans call for 50 ohm coax. Does anyone have any experience with this type of cable as far as length,matching, etc. on this type of antenna.

73 and tnx

6295. I'm New Here

Yahoo group: ham-antennas (2008)
Date: 2008-10-15 18:39:01 UTC
From: Scott Laughlin
Topic: 6295 Message: 6295

Hi Everyone,

I'm glad to a member of this group. Antennas have always been of interest to me. Lots of unanswered questions revolve around them.

Beginning in 1957 I replaced Zepp antennas on C-121 aircraft. There two on each aircraft, each 67 feet long. I believe the C-54 antenna was the same length. I've not been able to learn the length of the antennas on fighters. Does anyone remember?

When I earned my novice that was my first antenna and the old Heath DX-20 tuned it like magic.

72 de Scott/n7net/qrp

6296. longwire v gr5v

Yahoo group: ham-antennas (2008)
Date: 2008-10-16 07:01:03 UTC
From: alan
Topic: 6296 Message: 6296

hi all
iam thinking of putting a wire antenna outside for recieving hf can anyone tell me the diffrence between a random longwire and a commercially made one like say the g5rv thanks .....alan

6297. Re: [ham-antennas] longwire v gr5v

Yahoo group: ham-antennas (2008)
Date: 2008-10-16 09:11:00 UTC
From: KE7JSL@tmo.blackberry.net
Topic: 6296 Message: 6297

> iam thinking of putting a wire antenna outside for recieving hf

Hi Alan,

Besides the obvious of just wire being much cheaper there are many versions of the g5rv. I would try a long wire first as high as you can get it. If you were just looking to operate on one band , a dipole cut to that band is the best. If you have a random wire tuner you can make just about any wire resonate on any band. A g5rv is just a dipole that with a tuner is the best compromise to work on the hf bands.

John
KE7JSL
Sent via BlackBerry from T-Mobile

6298. Re: [ham-antennas] longwire v gr5v

Yahoo group: ham-antennas (2008)
Date: 2008-10-16 12:03:50 UTC
From: vaclav sal
Topic: 6296 Message: 6298

Technically speaking , G5RV is dipole only on the band where the entire wire plus the matching ladder line stub is resonant at half wavelength - hence two poles - dipole.
73 AA7EJ Vaclav

--- On Thu, 10/16/08, KE7JSL@... <KE7JSL@...> wrote:

From: KE7JSL@tmo.blackberry.net <KE7JSL@...>
Subject: Re: [ham-antennas] longwire v gr5v
To: ham-antennas@yahoogroups.com
Date: Thursday, October 16, 2008, 2:11 AM

> iam thinking of putting a wire antenna outside for recieving hf

Hi Alan,

Besides the obvious of just wire being much cheaper there are many versions of the g5rv. I would try a long wire first as high as you can get it. If you were just looking to operate on one band , a dipole cut to that band is the best. If you have a random wire tuner you can make just about any wire resonate on any band. A g5rv is just a dipole that with a tuner is the best compromise to work on the hf bands.

John
KE7JSL
Sent via BlackBerry from T-Mobile

[Non-text portions of this message have been removed]

6299. Re: longwire v gr5v

Yahoo group: ham-antennas (2008)
Date: 2008-10-16 12:34:48 UTC
From: Scott Laughlin
Topic: 6296 Message: 6299

Alan,

A Beverage is the best for receiving because it generates the least
noise of its own.

72 de Scott

--- In ham-antennas@yahoogroups.com, "alan" <wadavison@...> wrote:
>
> hi all
> iam thinking of putting a wire antenna outside for recieving hf can
> anyone tell me the diffrence between a random longwire and a
> commercially made one like say the g5rv thanks .....alan
>

6300. Re: longwire v gr5v

Yahoo group: ham-antennas (2008)
Date: 2008-10-16 15:38:54 UTC
From: Paul
Topic: 6296 Message: 6300

Remember a beverage is MANY wavelengths long and is quite directional
in the direction towards the termination resistor.

Paul - K9ERG

--- In ham-antennas@yahoogroups.com, "Scott Laughlin" <n7net@...> wrote:
>
> Alan,
>
> A Beverage is the best for receiving because it generates the least
> noise of its own.
>
> 72 de Scott
>
> --- In ham-antennas@yahoogroups.com, "alan" <wadavison@> wrote:
> >
> > hi all
> > iam thinking of putting a wire antenna outside for recieving hf can
> > anyone tell me the diffrence between a random longwire and a
> > commercially made one like say the g5rv thanks .....alan
> >
>

6301. Re: I'm New Here

Yahoo group: ham-antennas (2008)
Date: 2008-10-16 20:09:05 UTC
From: gadzooks.mike
Topic: 6295 Message: 6301

Hi Scott! Welcome aboard from an old retired USAF MSgt!

--- In ham-antennas@yahoogroups.com, "Scott Laughlin" <n7net@...> wrote:
>
> Hi Everyone,
>
> I'm glad to a member of this group. Antennas have always been of
> interest to me. Lots of unanswered questions revolve around them.
>
> Beginning in 1957 I replaced Zepp antennas on C-121 aircraft. There
> two on each aircraft, each 67 feet long. I believe the C-54 antenna
> was the same length. I've not been able to learn the length of the
> antennas on fighters. Does anyone remember?
>
> When I earned my novice that was my first antenna and the old Heath
DX-
> 20 tuned it like magic.
>
> 72 de Scott/n7net/qrp
>

6302. Re: I'm New Here

Yahoo group: ham-antennas (2008)
Date: 2008-10-16 20:28:35 UTC
From: Scott Laughlin
Topic: 6295 Message: 6302

Hi Mike,

I didn't get your call. I served a decade in the Air Force--two
years in a MATS Comm/Nav shop and eight years in a SAC A&E Squadron.

This 706 might be just the ticket for taking on the motorcycle while
I explore Lake Michigan next summer.

72 de Scott/n7net/qrp

--- In ham-antennas@yahoogroups.com, "gadzooks.mike"
<gadzooks.mike@...> wrote:
>
> Hi Scott! Welcome aboard from an old retired USAF MSgt!
>
>
> --- In ham-antennas@yahoogroups.com, "Scott Laughlin" <n7net@>
wrote:
> >
> > Hi Everyone,
> >
> > I'm glad to a member of this group. Antennas have always been of
> > interest to me. Lots of unanswered questions revolve around them.
> >
> > Beginning in 1957 I replaced Zepp antennas on C-121 aircraft.
There
> > two on each aircraft, each 67 feet long. I believe the C-54
antenna
> > was the same length. I've not been able to learn the length of
the
> > antennas on fighters. Does anyone remember?
> >
> > When I earned my novice that was my first antenna and the old
Heath
> DX-
> > 20 tuned it like magic.
> >
> > 72 de Scott/n7net/qrp
> >
>

6303. Using Hrdline

Yahoo group: ham-antennas (2008)
Date: 2008-10-16 23:27:56 UTC
From: Dave
Topic: 6303 Message: 6303

I'm about to string hardline between the antenna (up a 60' tower) and my transceiver. Total run is approximately 275'. My question is how to secure this stuff to the tower. I see micrtowave towers in the area with multiple hardline runs and wonder if there is an metal or pvc type clamp that attaches to the tower, and secures the hardline as well. I could use some heavy duty cable ties, but I'm concerned that the hardline is sufficiently heavy to make them ineffective. Suggestions will be much appreciated.

Thanks in advance

Dave

_____
PeoplePC Online
A better way to Internet
http://www.peoplepc.com

6304. Re: Using Hrdline

Yahoo group: ham-antennas (2008)
Date: 2008-10-16 23:57:27 UTC
From: ke4vyn
Topic: 6303 Message: 6304

They dont call it hard line for nothing!

--- In ham-antennas@yahoogroups.com, Dave <w8qwdave@...> wrote:
>
> I'm about to string hardline between the antenna (up a 60' tower) and my transceiver. Total run is approximately 275'. My question is how to secure this stuff to the tower. I see micrtowave towers in the area with multiple hardline runs and wonder if there is an metal or pvc type clamp that attaches to the tower, and secures the hardline as well. I could use some heavy duty cable ties, but I'm concerned that the hardline is sufficiently heavy to make them ineffective. Suggestions will be much appreciated.
>
> Thanks in advance
>
> Dave
>
> _____
> PeoplePC Online
> A better way to Internet
> http://www.peoplepc.com
>

6305. RE: [ham-antennas] Using Hrdline

Yahoo group: ham-antennas (2008)
Date: 2008-10-17 00:50:50 UTC
From: Richard Schmuke
Topic: 6303 Message: 6305

Check out “adell” clamps , used every day in aircraft and race cars for fuel lines , wire bundles and so on. I use then for even holding my RG8 type line.

Rich , KDØZZ

Disclaimer: Any errors in spelling or facts are transmission errors.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Dave
Sent: Thursday, October 16, 2008 6:28 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Using Hrdline

I'm about to string hardline between the antenna (up a 60' tower) and my transceiver. Total run is approximately 275'. My question is how to secure this stuff to the tower. I see micrtowave towers in the area with multiple hardline runs and wonder if there is an metal or pvc type clamp that attaches to the tower, and secures the hardline as well. I could use some heavy duty cable ties, but I'm concerned that the hardline is sufficiently heavy to make them ineffective. Suggestions will be much appreciated.

Thanks in advance

Dave

_____
PeoplePC Online
A better way to Internet
http://www.peoplepc.com

[Non-text portions of this message have been removed]

6306. RE: [ham-antennas] Using Hrdline

Yahoo group: ham-antennas (2008)
Date: 2008-10-17 01:00:39 UTC
From: Richard Schmuke
Topic: 6303 Message: 6306

Dave

I forgot to add they are available in all types of material , plastic , nylon , SS , mild steel , alum ,Ti. You can get the plain or with rubber , silicon or Teflon lining (padding). I have used duel sizes and put a larger size around a mast and then the smaller one around the coax thus requiring only one fastener. Check out my picture of a pass through the group pictured files in the Kd0zz folder and you will see them in use for a coax support just outside my pass-through.

Rich , KDØZZ

Disclaimer: Any errors in spelling or facts are transmission errors.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Dave
Sent: Thursday, October 16, 2008 6:28 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Using Hrdline

I'm about to string hardline between the antenna (up a 60' tower) and my transceiver. Total run is approximately 275'. My question is how to secure this stuff to the tower. I see micrtowave towers in the area with multiple hardline runs and wonder if there is an metal or pvc type clamp that attaches to the tower, and secures the hardline as well. I could use some heavy duty cable ties, but I'm concerned that the hardline is sufficiently heavy to make them ineffective. Suggestions will be much appreciated.

Thanks in advance

Dave

_____
PeoplePC Online
A better way to Internet
http://www.peoplepc.com

[Non-text portions of this message have been removed]

6307. RE: [ham-antennas] Using Hrdline

Yahoo group: ham-antennas (2008)
Date: 2008-10-17 01:46:53 UTC
From: Richard Schmuke
Topic: 6303 Message: 6307

Dave , I did a quick at McMaster-Carr , they are on page 1474 . They call them ‘Loop Clamps’ but they will cross reference to Adell Clamps.

Rich , Kd0zz

Subject: [ham-antennas] Using Hrdline

[Non-text portions of this message have been removed]

6308. newly licenced Ham

Yahoo group: ham-antennas (2008)
Date: 2008-10-17 01:47:41 UTC
From: Doug Chlan
Topic: 6308 Message: 6308

Hello All,
Just wanted to let you know that I passed my exam two weeks ago and Industry Canada finally got around to assigning my call sign: VE3GHQ. I'm looking forward to my first HF contact. So if you want to make my day, let me know.

Cheers!
Doug...
VE3GHQ/VA30005SWL

_____
Instant Messaging, free SMS, sharing photos and more... Try the new Yahoo! Canada Messenger at http://ca.beta.messenger.yahoo.com/

[Non-text portions of this message have been removed]

6309. Optimum Yagi Height in a Valley ???

Yahoo group: ham-antennas (2008)
Date: 2008-10-17 02:24:40 UTC
From: ash_lee52
Topic: 6309 Message: 6309

I am pretty familiar with the effect of antenna height on a yagi. At about 1/4 wl high programs like EZNEC show a YAGI to be directional but with a very high angle of radiation. By 1/2 WL the angle of radiation comes way down, and by 3/4 WL its about as low as it gets... above that you get lots of weird lobes. My question is this... for the low antenna is the RF actually leaving the antenna at a higher angle, or is it that the portion which leaves at low angles gets lost into the ground, taking it out of the picture?

Why do I ask? I live in a valley with mountains up to about 20-degrees above my horizon to Europe. So does this mean that I would get better performance with a lower YAGI and a higher angle of radiation? My signals tend to get out pretty well, but I hear way fewer stations than I did in another QTH.

Has anybody experimented with mounting Yagis in a vertical configuration on a non-conductive mast? Some modeling I have done suggests that this might be optimum for me. I know that UHF yagis can be mounted vertically.

6310. Re: Optimum Yagi Height in a Valley ???

Yahoo group: ham-antennas (2008)
Date: 2008-10-17 03:01:59 UTC
From: Scott Laughlin
Topic: 6309 Message: 6310

Ashton,

If it were me I would wait for the sun spots before I started doing anything with the antenna.

72 de Scott/n7net/qrp

--- In ham-antennas@yahoogroups.com, "ash_lee52" <ashton.lee@...> wrote:
>
> I am pretty familiar with the effect of antenna height on a yagi. At
> about 1/4 wl high programs like EZNEC show a YAGI to be directional but
> with a very high angle of radiation. By 1/2 WL the angle of radiation
> comes way down, and by 3/4 WL its about as low as it gets... above that
> you get lots of weird lobes. My question is this... for the low antenna
> is the RF actually leaving the antenna at a higher angle, or is it that
> the portion which leaves at low angles gets lost into the ground,
> taking it out of the picture?
>
> Why do I ask? I live in a valley with mountains up to about 20-degrees
> above my horizon to Europe. So does this mean that I would get better
> performance with a lower YAGI and a higher angle of radiation? My
> signals tend to get out pretty well, but I hear way fewer stations than
> I did in another QTH.
>
> Has anybody experimented with mounting Yagis in a vertical
> configuration on a non-conductive mast? Some modeling I have done
> suggests that this might be optimum for me. I know that UHF yagis can
> be mounted vertically.
>

6311. Re: Optimum Yagi Height in a Valley ???

Yahoo group: ham-antennas (2008)
Date: 2008-10-17 03:02:08 UTC
From: Scott Laughlin
Topic: 6309 Message: 6311

Ashton,

If it were me I would wait for the sun spots before I started doing anything with the antenna.

72 de Scott/n7net/qrp

--- In ham-antennas@yahoogroups.com, "ash_lee52" <ashton.lee@...> wrote:
>
> I am pretty familiar with the effect of antenna height on a yagi. At
> about 1/4 wl high programs like EZNEC show a YAGI to be directional but
> with a very high angle of radiation. By 1/2 WL the angle of radiation
> comes way down, and by 3/4 WL its about as low as it gets... above that
> you get lots of weird lobes. My question is this... for the low antenna
> is the RF actually leaving the antenna at a higher angle, or is it that
> the portion which leaves at low angles gets lost into the ground,
> taking it out of the picture?
>
> Why do I ask? I live in a valley with mountains up to about 20-degrees
> above my horizon to Europe. So does this mean that I would get better
> performance with a lower YAGI and a higher angle of radiation? My
> signals tend to get out pretty well, but I hear way fewer stations than
> I did in another QTH.
>
> Has anybody experimented with mounting Yagis in a vertical
> configuration on a non-conductive mast? Some modeling I have done
> suggests that this might be optimum for me. I know that UHF yagis can
> be mounted vertically.
>

6312. Re: [ham-antennas] Optimum Yagi Height in a Valley ???

Yahoo group: ham-antennas (2008)
Date: 2008-10-17 03:44:13 UTC
From: vaclav sal
Topic: 6309 Message: 6312

OM,
I have taken liberty to insert some comments into your message.
I am assuming you are talking about HF antenna.
And my favorite subject of ?tall towers? overkill.
I am not sure if your concerns are necessary, but they are certainly valid.
I have always looked at the issue of side lobes with increasing height of the antenna as " distributing total power into too many directions".
As pointed out by others, the "propagation Gods"?are on the other side of the equation and IMHO are playing the first fiddle.
You can do the?math for each vertical lobe propagation path to come up with theoretical model.
But in practice I would stay at ? wavelength height ? putting all the energy into the main lobe.
You will save some $ on tower sections!
As far as vertical polarization ? on HF is does not matter ? the ionosphere mangles the wave polarization anyway. Of course the ?energy cone? should look different due to changing height of the Yagi elements above the ground reference. Never actually modeled that and will try that soon.
73 Vaclav AA7EJ
?

?

--- On Thu, 10/16/08, ash_lee52 <ashton.lee@sbcglobal.net> wrote:

From: ash_lee52 <ashton.lee@...>
Subject: [ham-antennas] Optimum Yagi Height in a Valley ???
To: ham-antennas@yahoogroups.com
Date: Thursday, October 16, 2008, 7:24 PM

I am pretty familiar with the effect of antenna height
?
ABOVE GROUND REFERENCE
?
on a yagi. At
about 1/4 wl high programs like EZNEC show a YAGI to be directional but
with a very high angle of radiation. By 1/2 WL the angle of radiation
comes way down, and by 3/4 WL its about as low as it gets... above that
you get lots of weird lobes. My question is this... for the low antenna
is the RF actually leaving the antenna at a higher angle
?
YES
?
, or is it that
the portion which leaves at low angles gets lost into the ground,
taking it out of the picture?

NO
?
?

Why do I ask? I live in a valley with mountains up to about 20-degrees above my horizon to Europe. So does this mean that I would get better performance with a lower YAGI and a higher angle of radiation? My signals tend to get out pretty well, but I hear way fewer stations than I did in another QTH.

Has anybody experimented with mounting Yagis in a vertical configuration on a non-conductive mast? Some modeling I have done suggests that this might be optimum for me. I know that UHF yagis can be mounted vertically.

[Non-text portions of this message have been removed]

6313. Re: [ham-antennas] Re: Optimum Yagi Height in a Valley ???

Yahoo group: ham-antennas (2008)
Date: 2008-10-17 04:22:59 UTC
From: jeff
Topic: 6309 Message: 6313

A minimum of 1/2 wave over the lip of the valley :)

6314. Re:80 meter double bazooka from 75 ohm cable

Yahoo group: ham-antennas (2008)
Date: 2008-10-17 10:40:14 UTC
From: STEWART HOWARTH
Topic: 6294 Message: 6314

The impedence of the coax cable doesn't matter, just the velocity factor. Google "double bazooka" & you should find a few calculators that will allow you to enter the coax type or the velocity factor.
I use one on 40 Metres made from RG59 (because we use it at work & often have 20 Metre long off-cuts, lol)

73, Stewart GM0GTU

[Non-text portions of this message have been removed]

6315. Re: [ham-antennas] Using Hrdline

Yahoo group: ham-antennas (2008)
Date: 2008-10-17 13:53:46 UTC
From: danny garvin
Topic: 6303 Message: 6315

Just get some jacketed #14 solid copper wire and cut it in lengths long enough to to go around the tower leg and hard line twice and twist together it's cheep reusable and will last for many many years. They did this on our tower at work and it's been up almost 30 years with no problems.
Danny
   WB9RIM

----- Original Message ----
From: Dave <w8qwdave@...>
To: ham-antennas@yahoogroups.com
Sent: Thursday, October 16, 2008 6:27:56 PM
Subject: [ham-antennas] Using Hrdline

I'm about to string hardline between the antenna (up a 60' tower) and my transceiver. Total run is approximately 275'. My question is how to secure this stuff to the tower. I see micrtowave towers in the area with multiple hardline runs and wonder if there is an metal or pvc type clamp that attaches to the tower, and secures the hardline as well. I could use some heavy duty cable ties, but I'm concerned that the hardline is sufficiently heavy to make them ineffective. Suggestions will be much appreciated.

Thanks in advance

Dave

_____ _____ _____ _____ _
PeoplePC Online
A better way to Internet
http://www.peoplepc .com

[Non-text portions of this message have been removed]

6316. Re: [ham-antennas] Using Hrdline

Yahoo group: ham-antennas (2008)
Date: 2008-10-17 14:08:48 UTC
From: vaclav sal
Topic: 6303 Message: 6316

Hose clamp works for me.
Stainless,easy to adjust and in a variety of sizes in your neighborhood hardware outfit.

73 Vaclav AA7EJ

--- On Fri, 10/17/08, danny garvin <grailknight_2@...> wrote:

From: danny garvin <grailknight_2@...>
Subject: Re: [ham-antennas] Using Hrdline
To: ham-antennas@yahoogroups.com
Date: Friday, October 17, 2008, 6:53 AM

Just get some jacketed #14 solid copper wire and cut it in lengths long enough to to go around the tower leg and hard line twice and twist together it's cheep reusable and will last for many many years. They did this on our tower at work and it's been up almost 30 years with no problems.
Danny
   WB9RIM

----- Original Message ----
From: Dave <w8qwdave@peoplepc. com>
To: ham-antennas@ yahoogroups. com
Sent: Thursday, October 16, 2008 6:27:56 PM
Subject: [ham-antennas] Using Hrdline

I'm about to string hardline between the antenna (up a 60' tower) and my transceiver. Total run is approximately 275'. My question is how to secure this stuff to the tower. I see micrtowave towers in the area with multiple hardline runs and wonder if there is an metal or pvc type clamp that attaches to the tower, and secures the hardline as well. I could use some heavy duty cable ties, but I'm concerned that the hardline is sufficiently heavy to make them ineffective. Suggestions will be much appreciated.

Thanks in advance

Dave

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[Non-text portions of this message have been removed]

_____
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[Non-text portions of this message have been removed]

6317. Re: I'm New Here

Yahoo group: ham-antennas (2008)
Date: 2008-10-17 14:56:32 UTC
From: gadzooks.mike
Topic: 6295 Message: 6317

Hi Scott!

I took a solo trip from Alabama up to Michigan and back last June on my Suzuki - best time I've ever had! Stayed off the highway for the entire trip and went through dozens of small towns. All I can say is what a country!! Then last October, a guy pulled out in front of me and ended my motorcycling days. Humbug.

I was a tail gunner on an IBM selectric for my entire AF career - Accounting and Finance.

Have a good SAFE trip around the lake!

Mike
KI4TWB

--- In ham-antennas@yahoogroups.com, "Scott Laughlin" <n7net@...>
wrote:
>
> Hi Mike,
>
> I didn't get your call. I served a decade in the Air Force--two
> years in a MATS Comm/Nav shop and eight years in a SAC A&E Squadron.
>
> This 706 might be just the ticket for taking on the motorcycle
while
> I explore Lake Michigan next summer.
>
> 72 de Scott/n7net/qrp
>
> --- In ham-antennas@yahoogroups.com, "gadzooks.mike"
> <gadzooks.mike@> wrote:
> >
> > Hi Scott! Welcome aboard from an old retired USAF MSgt!
> >
> >
> > --- In ham-antennas@yahoogroups.com, "Scott Laughlin" <n7net@>
> wrote:
> > >
> > > Hi Everyone,
> > >
> > > I'm glad to a member of this group. Antennas have always been
of
> > > interest to me. Lots of unanswered questions revolve around
them.
> > >

> > > Beginning in 1957 I replaced Zepp antennas on C-121 aircraft.
> There
> > > two on each aircraft, each 67 feet long. I believe the C-54
> antenna
> > > was the same length. I've not been able to learn the length of
> the
> > > antennas on fighters. Does anyone remember?
> > >
> > > When I earned my novice that was my first antenna and the old
> Heath
> > DX-
> > > 20 tuned it like magic.
> > >
> > > 72 de Scott/n7net/qrp
> > >
> >
>

6318. Re: [ham-antennas] Re: I'm New Here

Yahoo group: ham-antennas (2008)
Date: 2008-10-17 15:12:43 UTC
From: Harold Burton
Topic: 6295 Message: 6318

I put 25,000 miles on two small to medium size motorcycles, all in the Dallas metropolitan area.
When I turned 55 I decided I'd tempted fate long enough and sold my Suzuki SP370. I miss the bikes, but the percentages are just too much against us, especially since we olduns run to slow reaction times. BTW, I'm 75 now. All that bike history was way before I got interested in Ham Antennas, I'm not sure my luck would have held if I'da been talking while riding(G).

Harold
KD5SAK

----- Original Message -----
From: "gadzooks.mike" <gadzooks.mike@...>
To: <ham-antennas@yahoogroups.com>
Sent: Friday, October 17, 2008 9:56 AM
Subject: [ham-antennas] Re: I'm New Here

> Hi Scott!
>
> I took a solo trip from Alabama up to Michigan and back last June on
> my Suzuki - best time I've ever had! Stayed off the highway for the
> entire trip and went through dozens of small towns. All I can say is
> what a country!! Then last October, a guy pulled out in front of me
> and ended my motorcycling days. Humbug.
>
> I was a tail gunner on an IBM selectric for my entire AF career -
> Accounting and Finance.
>
> Have a good SAFE trip around the lake!
>
> Mike
> KI4TWB
>
>
> --- In ham-antennas@yahoogroups.com, "Scott Laughlin" <n7net@...>
> wrote:
>>
>> Hi Mike,
>>
>> I didn't get your call. I served a decade in the Air Force--two
>> years in a MATS Comm/Nav shop and eight years in a SAC A&E Squadron.
>>
>> This 706 might be just the ticket for taking on the motorcycle
> while
>> I explore Lake Michigan next summer.
>>

>> 72 de Scott/n7net/qrp
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>> --- In ham-antennas@yahoogroups.com, "gadzooks.mike"
>> <gadzooks.mike@> wrote:
>> >
>> > Hi Scott! Welcome aboard from an old retired USAF MSgt!
>> >
>> >
>> > --- In ham-antennas@yahoogroups.com, "Scott Laughlin" <n7net@>
>> wrote:
>> > >
>> > > Hi Everyone,
>> > >
>> > > I'm glad to a member of this group. Antennas have always been
> of
>> > > interest to me. Lots of unanswered questions revolve around
> them.
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>> > > Beginning in 1957 I replaced Zepp antennas on C-121 aircraft.
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>> > > two on each aircraft, each 67 feet long. I believe the C-54
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>> > > was the same length. I've not been able to learn the length of
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>> > > antennas on fighters. Does anyone remember?
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>> > > When I earned my novice that was my first antenna and the old
>> Heath
>> > DX-
>> > > 20 tuned it like magic.
>> > >
>> > > 72 de Scott/n7net/qrp
>> > >
>> >
>>
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
> to ALL 1446 members (as of 9/26/08, and attachments are NOT permitted.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>

6319. Mobile Antennas

Yahoo group: ham-antennas (2008)
Date: 2008-10-17 17:27:00 UTC
From: Scott Laughlin
Topic: 460 Message: 6319

Hi,

Playing around with 2m mobile antennas has kept me occupied for several years. Buying a magmount for the roof of a car pretty will does the job, but on motorcycles and bicycles it's a different story

I've modified an ancient magmount from which the magnet is lost and mounted it on the luggage rack of my CB-900. I grounded the coax to the motorcycle frame. The SWR reads lower if I use motorcycle battery power than another isolated power source. But I never seem to be able to achieve much better than about 1.25:1.

A half-wave (j-pole) fabricated from tv twin-lead seems to work better. But each antenna seems cranky in its own personal way (I've built a dozen of them). Some will offer a 1:1 SWR while others require monkeying around with a decoupling coil to achieve that result.

The big draw back with the j-pole is having to shove it inside a section of pvc. Though they've waved around behind me for thousands of miles they are distracting in the mirror.

I chat on 2m only while on the bicycle. APRS is my main mobile interest, using n7net-6 with a Radio Shack HandiScratchy and a TT-3. I've had 11 motorcycles in all, but the 900 is the only one I've made radio active.

Has anyone found the perfect solution?

For portable low band I usually haul a SM-20 to my place in New Mexico and use a pruned dipole cut for 14.060. It cuts down on the motorcycle load--no tuner and fewer batteries.

72 de Scott/n7net/qrp

6320. Antenna Grounds

Yahoo group: ham-antennas (2008)
Date: 2008-10-17 20:31:38 UTC
From: kb3oyf
Topic: 6320 Message: 6320

I'm going to be installing several antenna at my QTH. After reading several sources, I am planning to ground each mast using #8 Al wire and a ground rod (NEC requirement). There would be a seperate ground rod for each antenna.

I am also going to place a lightning arrestor at the entry point to my house and connect them to a ground rod at the entry point.

My question is will this cause ground loops?

Is there a differt grounding configuration I should try?

Thanks in advance for your help.

Joe
KB3OYF

6321. What To Use For Poles To Mount Antenna ?

Yahoo group: ham-antennas (2008)
Date: 2008-10-17 20:34:35 UTC
From: kd0fae
Topic: 6321 Message: 6321

I have a 40 ft long parallel dipole which I want to install next to my house and extending into the back yard. I would like to mount it about 23 ft above ground, which would put it about 5 ft above the highest point on the house.

What would make good poles for supporting the ends of the dipole? The trees on my lot are not anywhere near where I can string the dipole due to power lines. Since the poles will be rather near the ends of the dipole (1 foot or so), I would rather have non-conducting poles. I don't know where to get a wooden rod that would meet my needs. PVC pipe is too flexible.

Any suggestions welcome!

Bill
KD0FAE

6322. Re: [ham-antennas] What To Use For Poles To Mount Antenna ?

Yahoo group: ham-antennas (2008)
Date: 2008-10-17 20:39:44 UTC
From: vaclav sal
Topic: 6321 Message: 6322

Here is a link to e-bay for start.

http://cgi.ebay.com/Military-ANTENNA-MAST-Fiberglass-POLES-used_W0QQitemZ270288150592QQcmdZViewItem?hash=item270288150592&_trkparms=72%3A1205%7C39%3A1%7C66%3A2%7C65%3A12%7C240%3A1318&_trksid=p3286.c0.m14

--- On Fri, 10/17/08, kd0fae <kd0fae@yahoo.com> wrote:

From: kd0fae <kd0fae@...>
Subject: [ham-antennas] What To Use For Poles To Mount Antenna ?
To: ham-antennas@yahoogroups.com
Date: Friday, October 17, 2008, 1:34 PM

I have a 40 ft long parallel dipole which I want to install next to my house and extending into the back yard. I would like to mount it about 23 ft above ground, which would put it about 5 ft above the highest point on the house.

What would make good poles for supporting the ends of the dipole? The trees on my lot are not anywhere near where I can string the dipole due to power lines. Since the poles will be rather near the ends of the dipole (1 foot or so), I would rather have non-conducting poles. I don't know where to get a wooden rod that would meet my needs. PVC pipe is too flexible.

Any suggestions welcome!

Bill
KD0FAE

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[Non-text portions of this message have been removed]

6323. Dipole effect height

Yahoo group: ham-antennas (2008)
Date: 2008-10-17 20:37:21 UTC
From: Bill Coulson
Topic: 6320 Message: 6323

Hello group

Can anyone tell me how close to the edge of a mountain bluff a dipole installation needs to be in order to "see" the height above ground

Bill Coulson K7EKO
Colville, WA

[Non-text portions of this message have been removed]

6324. RE: [ham-antennas] What To Use For Poles To Mount Antenna ?

Yahoo group: ham-antennas (2008)
Date: 2008-10-17 20:49:13 UTC
From: James M.(Jim) Geidl
Topic: 6321 Message: 6324

Bill,

This stuff is great. I use it and the same thing in aluminum. The aluminum is a little strong but with the little bit you are going to have sticking up in the air it shouldn't matter.

Jim, K6JMG
www.spinochio.com

//

> [mailto:ham-antennas@yahoogroups.com] On Behalf Of vaclav sal
> Sent: Friday, October 17, 2008 1:40 PM
> To: ham-antennas@yahoogroups.com
> Subject: Re: [ham-antennas] What To Use For Poles To Mount Antenna ?
>
>
> Here is a link to e-bay for start.
>
>
>
> http://cgi.ebay.com/Military-ANTENNA-MAST-Fiberglass-POLES-use
> d_W0QQitemZ270288150592QQcmdZViewItem?hash=item270288150592&_t
> rkparms=72%3A1205%7C39%3A1%7C66%3A2%7C65%3A12%7C240%3A1318&_tr
> ksid=p3286.c0.m14
>
> --- On Fri, 10/17/08, kd0fae <kd0fae@...> wrote:
>
> From: kd0fae <kd0fae@...>
> Subject: [ham-antennas] What To Use For Poles To Mount Antenna ?
> To: ham-antennas@yahoogroups.com
> Date: Friday, October 17, 2008, 1:34 PM
>
>
>
>
>
>
> I have a 40 ft long parallel dipole which I want to install
> next to my house and extending into the back yard. I would
> like to mount it about 23 ft above ground, which would put it
> about 5 ft above the highest point on the house.
>
> What would make good poles for supporting the ends of the
> dipole? The trees on my lot are not anywhere near where I can
> string the dipole due to power lines. Since the poles will be

> rather near the ends of the dipole (1 foot or so), I would
> rather have non-conducting poles.
> I don't know where to get a wooden rod that would meet my
> needs. PVC pipe is too flexible.
>
> Any suggestions welcome!
>
> Bill
> KD0FAE

6325. Re: What To Use For Poles To Mount Antenna ?

Yahoo group: ham-antennas (2008)
Date: 2008-10-17 20:55:06 UTC
From: Scott Laughlin
Topic: 6321 Message: 6325

Your local utility company may have power poles that no longer fill their needs. You can usually buy them by the foot and the price is reasonable.

Getting them home at an affordable cost is another problem.

72 de Scott/n7net/qrp

--- In ham-antennas@yahoogroups.com, "kd0fae" <kd0fae@...> wrote:
>
> I have a 40 ft long parallel dipole which I want to install next to my
> house and extending into the back yard. I would like to mount it
> about 23 ft above ground, which would put it about 5 ft above the
> highest point on the house.
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> What would make good poles for supporting the ends of the dipole? The
> trees on my lot are not anywhere near where I can string the dipole
> due to power lines. Since the poles will be rather near the ends of
> the dipole (1 foot or so), I would rather have non-conducting poles.
> I don't know where to get a wooden rod that would meet my needs. PVC
> pipe is too flexible.
>
> Any suggestions welcome!
>
> Bill
> KD0FAE
>

6326. 4:1 Balum Core Saturation on Windum producing RFI feedback when using 600 watts

Yahoo group: ham-antennas (2008)
Date: 2008-10-17 20:59:53 UTC
From: Pete Mihnovets
Topic: 6326 Message: 6326

I am trying to get my SB220 to load up on a Carolina Windom 135 feet long. 4:1 Balun @ 70 feet elevation suspended by Carolina Pines. My problem is that I can get an input match for a few minutes then the SWR wanders high. I suspect that this is due to the 400T iron powder core heating up.

My question is this caused by the design of the unbalanced antenna? Does any one use one in the group with an amplifier with success?

I have used a line Isolator at 22 feet from the balun plus and 6" air 1:1 balun to reduce the RF skin affect RFI feedback. This has helped but not solved the issue.

I have a LDG 11MP auto tuner that I use to get a 1:1 match on the input side of the Amplifier.

And I also have a MFG 269C 3Kw tuner getting a 1:1 match on the output (Windum) side. After a minute of transmitting at 600 wats the SWR on the input side goes high and the transceiver power reduces due to it's solid state final going into preservation mode.

Any thoughts would be appreciated.

73
Pete
KI4RBD

6327. Re: [ham-antennas] Dipole effect height

Yahoo group: ham-antennas (2008)
Date: 2008-10-17 21:01:55 UTC
From: vaclav sal
Topic: 6320 Message: 6327

I would venture to say that electromagnetic wave being related to plain current flow will "seek" the path of least resistance to the reference ground, therefore your height above ground will always be the direct distance to the edge of the cliff, not to the foot of the cliff.

We could speculate and ask when the dipole above ground becomes dipole in free space.
If free space is defined as infinite distance from reference it does not help in your case..

73 Vaclav AA7EJ

--- On Fri, 10/17/08, Bill Coulson <wcoulson@...> wrote:

From: Bill Coulson <wcoulson@...>
Subject: [ham-antennas] Dipole effect height
To: ham-antennas@yahoogroups.com
Date: Friday, October 17, 2008, 1:37 PM

Hello group

Can anyone tell me how close to the edge of a mountain bluff a dipole installation needs to be in order to "see" the height above ground

Bill Coulson K7EKO
Colville, WA

[Non-text portions of this message have been removed]

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http://mail.yahoo.com

[Non-text portions of this message have been removed]

6328. Re: 4:1 Balum Core Saturation on Windum producing RFI feedback when using 600 watts

Yahoo group: ham-antennas (2008)
Date: 2008-10-17 21:06:27 UTC
From: Scott Laughlin
Topic: 6326 Message: 6328

Pete,

I fought a similar problem with a G5RV. It turned out to be the RF connector on the tuner. It looked okay but it wasn't.

It's hard on radios.

72 de Scott/n7net/qrp

--- In ham-antennas@yahoogroups.com, "Pete Mihnovets" <pmihnovets@...> wrote:
>
> I am trying to get my SB220 to load up on a Carolina Windom 135 feet
> long. 4:1 Balun @ 70 feet elevation suspended by Carolina Pines. My
> problem is that I can get an input match for a few minutes then the
> SWR wanders high. I suspect that this is due to the 400T iron powder
> core heating up.
>
> My question is this caused by the design of the unbalanced antenna?
> Does any one use one in the group with an amplifier with success?
>
> I have used a line Isolator at 22 feet from the balun plus and 6" air
> 1:1 balun to reduce the RF skin affect RFI feedback. This has helped
> but not solved the issue.
>
> I have a LDG 11MP auto tuner that I use to get a 1:1 match on the
> input side of the Amplifier.
>
> And I also have a MFG 269C 3Kw tuner getting a 1:1 match on the
> output (Windum) side. After a minute of transmitting at 600 wats the
> SWR on the input side goes high and the transceiver power reduces due
> to it's solid state final going into preservation mode.
>
> Any thoughts would be appreciated.
>
> 73
> Pete
> KI4RBD

>

6329. Re: [ham-antennas] 4:1 Balum Core Saturation on Windum producing RFI feedback when using 600 watts

Yahoo group: ham-antennas (2008)
Date: 2008-10-17 21:15:46 UTC
From: kc2rgw@gmail.com
Topic: 6326 Message: 6329

Quick thoughts

Your input match at the amp should not be so far off that you need a tuner inline. Figure out that problem sooner than later.

Are you hearing any arcing? Isolate that and replace jumpers or connectors until that stops.

Jumpers and connectors that look and act fine at 100W will not always carry high power.

What type and power rating is your 4:1 at the feed point? You shouldn't need any further isolation than that either.

What type of coax are you using for jumpers and feed line? IMO the high power side should all be 213 sized if it isn't already.

Does this antenna behave properly on its own, direct fed from the rig at 100W?
Sent from my BlackBerry? smartphone with SprintSpeed

-----Original Message-----
From: "Pete Mihnovets" <pmihnovets@...>

Date: Fri, 17 Oct 2008 20:59:53
To: <ham-antennas@yahoogroups.com>
Subject: [ham-antennas] 4:1 Balum Core Saturation on Windum producing RFI feedback when using 600 watts

I am trying to get my SB220 to load up on a Carolina Windom 135 feet long. 4:1 Balun @ 70 feet elevation suspended by Carolina Pines. My problem is that I can get an input match for a few minutes then the SWR wanders high. I suspect that this is due to the 400T iron powder core heating up.

My question is this caused by the design of the unbalanced antenna? Does any one use one in the group with an amplifier with success?

I have used a line Isolator at 22 feet from the balun plus and 6" air 1:1 balun to reduce the RF skin affect RFI feedback. This has helped but not solved the issue.

I have a LDG 11MP auto tuner that I use to get a 1:1 match on the input side of the Amplifier.

And I also have a MFG 269C 3Kw tuner getting a 1:1 match on the output (Windum) side. After a minute of transmitting at 600 wats the SWR on the input side goes high and the transceiver power reduces due to it's solid state final going into preservation mode.

Any thoughts would be appreciated.

73
Pete
KI4RBD

[Non-text portions of this message have been removed]

6330. Re: [ham-antennas] Re: 4:1 Balum Core Saturation on Windum producing RFI feedback when using 600 watts

Yahoo group: ham-antennas (2008)
Date: 2008-10-17 21:32:33 UTC
From: Lee
Topic: 6326 Message: 6330

Scott,
Could you elaborate. I have a OFC 6:1 3K rated at 40 feet up and 130 or so feet long. If I take
too long tuning the SWR creep up.

Been told the SWR creep IS NOT saturation, but a bad connector.

Wonder what is best way to test a jumper?

Lee
KE4VYN

----- Original Message -----
From: Scott Laughlin<mailto:n7net@...>
To: ham-antennas@yahoogroups.com<mailto:ham-antennas@yahoogroups.com>
Sent: Friday, October 17, 2008 4:06 PM
Subject: [ham-antennas] Re: 4:1 Balum Core Saturation on Windum producing RFI feedback when using 600 watts

Pete,

I fought a similar problem with a G5RV. It turned out to be the RF
connector on the tuner. It looked okay but it wasn't.

It's hard on radios.

72 de Scott/n7net/qrp

--- In ham-antennas@yahoogroups.com<mailto:ham-antennas@yahoogroups.com>, "Pete Mihnovets"
<pmihnovets@...> wrote:
>
> I am trying to get my SB220 to load up on a Carolina Windom 135
feet
> long. 4:1 Balun @ 70 feet elevation suspended by Carolina Pines.
My
> problem is that I can get an input match for a few minutes then the
> SWR wanders high. I suspect that this is due to the 400T iron
powder
> core heating up.
>
> My question is this caused by the design of the unbalanced antenna?
> Does any one use one in the group with an amplifier with success?
>
> I have used a line Isolator at 22 feet from the balun plus and 6"
air
> 1:1 balun to reduce the RF skin affect RFI feedback. This has

helped
> but not solved the issue.
>
> I have a LDG 11MP auto tuner that I use to get a 1:1 match on the
> input side of the Amplifier.
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> And I also have a MFG 269C 3Kw tuner getting a 1:1 match on the
> output (Windum) side. After a minute of transmitting at 600 wats
the
> SWR on the input side goes high and the transceiver power reduces
due
> to it's solid state final going into preservation mode.
>
> Any thoughts would be appreciated.
>
> 73
> Pete
> KI4RBD
>

[Non-text portions of this message have been removed]

6331. Re: [ham-antennas] What To Use For Poles To Mount Antenna ?

Yahoo group: ham-antennas (2008)
Date: 2008-10-17 21:06:46 UTC
From: vlincoln
Topic: 6321 Message: 6331

A steel 20' top bar for chain link fencing, and a 6-10' closet wooden hanging
bar for clothes, secured with a hose clamp inside the steel pole,
makes a pretty rigid support abot 25-30' high. Fairly light weight,
and inexpensive.
purchase a little larger 4' pipe, and pound it into the ground for
easy taking out of
the 20' pipe and putting it back up.
wd8aam

At 20:34 10/17/2008, you wrote:

>I have a 40 ft long parallel dipole which I want to install next to my
>house and extending into the back yard. I would like to mount it
>about 23 ft above ground, which would put it about 5 ft above the
>highest point on the house.
>
>What would make good poles for supporting the ends of the dipole? The
>trees on my lot are not anywhere near where I can string the dipole
>due to power lines. Since the poles will be rather near the ends of
>the dipole (1 foot or so), I would rather have non-conducting poles.
>I don't know where to get a wooden rod that would meet my needs. PVC
>pipe is too flexible.
>
>Any suggestions welcome!
>
>Bill
>KD0FAE
>
>

[Non-text portions of this message have been removed]

6332. Re: [ham-antennas] Re: 4:1 Balum Core Saturation on Windum producing RFI feedback when using 600 watts

Yahoo group: ham-antennas (2008)
Date: 2008-10-17 22:06:47 UTC
From: vaclav sal
Topic: 6326 Message: 6332

Don't have exact answer, but some comments.
Your rig has 50 Ohm output impedance, the SB200 has 50 ohm input impedance.Why are you using tuner on the input of the amplifier ?

Your "Isolator" should be at the input of the balun (at the top of the feedline) to stop coax skin effect current and to keep the feed line from radiating. Placing it anywhere else does not fully choke the unbalancing current.

As far as supporting Carolina Windom with Carolina pines - that rocks! Hi Hi

Original Windom was designed to match high output impedance of tube amplifiers - hence feed line was not connected to the center of dipole.

Matching the OCF Carolina Windom to SB220, albeit 50 impedance, seems "long way around the barn".

I would add ladder line, move the balun to the input of it and use G5RV setup.

73 Vaclav AA7EJ

--- On Fri, 10/17/08, Lee <ke4vyn@...> wrote:

From: Lee <ke4vyn@...>
Subject: Re: [ham-antennas] Re: 4:1 Balum Core Saturation on Windum producing RFI feedback when using 600 watts
To: ham-antennas@yahoogroups.com
Date: Friday, October 17, 2008, 2:32 PM

Scott,
Could you elaborate. I have a OFC 6:1 3K rated at 40 feet up and 130 or so feet long. If I take
too long tuning the SWR creep up.

Been told the SWR creep IS NOT saturation, but a bad connector.

Wonder what is best way to test a jumper?

Lee
KE4VYN

----- Original Message -----
From: Scott Laughlin<mailto:n7net@yahoo. com>
To: ham-antennas@ yahoogroups. com<mailto:ham-antennas@ yahoogroups. com>
Sent: Friday, October 17, 2008 4:06 PM
Subject: [ham-antennas] Re: 4:1 Balum Core Saturation on Windum producing RFI feedback when using 600 watts

Pete,

I fought a similar problem with a G5RV. It turned out to be the RF connector on the tuner. It looked okay but it wasn't.

It's hard on radios.

72 de Scott/n7net/ qrp

--- In ham-antennas@ yahoogroups. com<mailto:ham-antennas@ yahoogroups. com>, "Pete Mihnovets"
<pmihnovets@ ...> wrote:
>
> I am trying to get my SB220 to load up on a Carolina Windom 135 feet
> long. 4:1 Balun @ 70 feet elevation suspended by Carolina Pines. My
> problem is that I can get an input match for a few minutes then the
> SWR wanders high. I suspect that this is due to the 400T iron powder
> core heating up.
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> My question is this caused by the design of the unbalanced antenna?
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> I have used a line Isolator at 22 feet from the balun plus and 6" air
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> but not solved the issue.
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> I have a LDG 11MP auto tuner that I use to get a 1:1 match on the
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> output (Windum) side. After a minute of transmitting at 600 wats the
> SWR on the input side goes high and the transceiver power reduces due
> to it's solid state final going into preservation mode.
>
> Any thoughts would be appreciated.
>
> 73
> Pete
> KI4RBD
>

[Non-text portions of this message have been removed]

_____
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http://mail.yahoo.com

[Non-text portions of this message have been removed]

6333. Re: 4:1 Balum Core Saturation on Windum producing RFI feedback when using 600 watts

Yahoo group: ham-antennas (2008)
Date: 2008-10-17 22:19:44 UTC
From: Scott Laughlin
Topic: 6326 Message: 6333

Lee,

I used to run into an occasional problem on aircraft way back when, but the shop had a megger for checking out that sort of problem--bad coax, bad connectors, or some other problem.

My personal problem came on gradual, and I couldn't nail it down, so I reduced my power. I'd worry the SWRs down to 1:1 and after a time it was reading 1:5 or greater. Sometimes it was a spike other times it was slow. I replaced jumpers and pruned a dipole that would work without the tuner. That's when I nailed it down as something inside the match box. The first thing I changed was the antenna input connector on the tuner the problem disappeared. That was two years ago and it's still gone.

You should keep a running log on what you've done and what happened. It's easy to loose your way.

72 de Scott/n7net/qrp

--- In ham-antennas@yahoogroups.com, "Lee" <ke4vyn@...> wrote:
>
> Scott,
> Could you elaborate. I have a OFC 6:1 3K rated at 40 feet up and 130 or so feet long. If I take
> too long tuning the SWR creep up.
>
> Been told the SWR creep IS NOT saturation, but a bad connector.
>
> Wonder what is best way to test a jumper?
>
> Lee
> KE4VYN
>
>
> ----- Original Message -----
> From: Scott Laughlin<mailto:n7net@...>
> To: ham-antennas@yahoogroups.com<mailto:ham-antennas@yahoogroups.com>
> Sent: Friday, October 17, 2008 4:06 PM
> Subject: [ham-antennas] Re: 4:1 Balum Core Saturation on Windum producing RFI feedback when using 600 watts
>
>
> Pete,

>
> I fought a similar problem with a G5RV. It turned out to be the
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> connector on the tuner. It looked okay but it wasn't.
>
> It's hard on radios.
>
> 72 de Scott/n7net/qrp
>
> --- In ham-antennas@yahoogroups.com<mailto:ham-
antennas@yahoogroups.com>, "Pete Mihnovets"
> <pmihnovets@> wrote:
> >
> > I am trying to get my SB220 to load up on a Carolina Windom 135
> feet
> > long. 4:1 Balun @ 70 feet elevation suspended by Carolina
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> My
> > problem is that I can get an input match for a few minutes then
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> > SWR wanders high. I suspect that this is due to the 400T iron
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> > core heating up.
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> > but not solved the issue.
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> > output (Windum) side. After a minute of transmitting at 600
wats
> the
> > SWR on the input side goes high and the transceiver power
reduces
> due
> > to it's solid state final going into preservation mode.
> >
> > Any thoughts would be appreciated.

> >
> > 73
> > Pete
> > KI4RBD
> >
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

6334. Tuner placement

Yahoo group: ham-antennas (2008)
Date: 2008-10-17 23:07:13 UTC
From: barbiekenw
Topic: 6334 Message: 6334

, October 17, 2008 3:42 PMFrom:

I have Steppir vertical I use on several band with a couple of elevated radials in an RV park.

SWR is about 1.8 or less on those freqs that correspond to the radials. I am adding a tuner to add some frequencies. I have in the coax line a LP filter and a balun to decouple the feed line. Currently the set up is: amplifier - LP Filter - decoupling balun - coax exiting shack to vertical.

I was thinking that maybe the LP filter or the decoupling balun might work better at lower SWR. So I could place the tuner between the amp and the LP filter,or between the LP filter and the balun, or between the balun and the feedline exiting the shack.

I have a feeling placement does not matter, but I wondered if anyone has other information.

Ken

6335. angle of descent for G5RV as an inverted V?

Yahoo group: ham-antennas (2008)
Date: 2008-10-17 23:23:28 UTC
From: hochman_97
Topic: 6335 Message: 6335

I have a G5RV-Jr antenna which I want to hang as an inverted V...
what is the max angle the horizontal segments can droop from perfectly
perpendicular to the feedline without degrading performance?

Thanks.

6336. Re: angle of descent for G5RV as an inverted V?

Yahoo group: ham-antennas (2008)
Date: 2008-10-17 23:42:31 UTC
From: Scott Laughlin
Topic: 6335 Message: 6336

I would try 45 degrees on each side of the apex.

I use a larger G5RV at my QTH which is pretty restricted. The Apex is up at 20 feet then down at 45 degrees for about 15 feet. Then the legs take a 45 and follow a wooden fence that hugs a swimming pool. It lacks a great deal from being an ideal situation, but it does well with QRPp. With .075 watts output I'm just shy of my 1,000-miles-per-watt certificate with that configuration.

72 de Scottn7net/qrp

--- In ham-antennas@yahoogroups.com, "hochman_97" <hochman_97@...>
wrote:
>
> I have a G5RV-Jr antenna which I want to hang as an inverted V...
> what is the max angle the horizontal segments can droop from perfectly
> perpendicular to the feedline without degrading performance?
>
> Thanks.
>

6337. RE: [ham-antennas] Re: angle of descent for G5RV as an inverted V?

Yahoo group: ham-antennas (2008)
Date: 2008-10-17 23:55:31 UTC
From: k5prt@arrl.net
Topic: 6335 Message: 6337

The angle between the two legs should be kept close to 120 degrees
according to everything I've read. 45 degrees on each side would only be
90 degrees between the legs. I have a full size G5RV configured that way
with excellent results.
My 2 cents.

Pete
K5PRT

> [Original Message]
> From: Scott Laughlin <n7net@...>
> To: <ham-antennas@yahoogroups.com>
> Date: 10/17/2008 6:42:34 PM
> Subject: [ham-antennas] Re: angle of descent for G5RV as an inverted V?
>
> I would try 45 degrees on each side of the apex.
>
> I use a larger G5RV at my QTH which is pretty restricted. The Apex is
> up at 20 feet then down at 45 degrees for about 15 feet. Then the legs
> take a 45 and follow a wooden fence that hugs a swimming pool. It
> lacks a great deal from being an ideal situation, but it does well with
> QRPp. With .075 watts output I'm just shy of my 1,000-miles-per-watt
> certificate with that configuration.
>
> 72 de Scottn7net/qrp
>
> --- In ham-antennas@yahoogroups.com, "hochman_97" <hochman_97@...>
> wrote:
> >
> > I have a G5RV-Jr antenna which I want to hang as an inverted V...
> > what is the max angle the horizontal segments can droop from perfectly
> > perpendicular to the feedline without degrading performance?
> >
> > Thanks.
> >
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies
go to ALL 1446 members (as of 9/26/08, and attachments are NOT permitted.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com

> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>

6338. Re: [ham-antennas] What To Use For Poles To Mount Antenna ?

Yahoo group: ham-antennas (2008)
Date: 2008-10-18 00:15:19 UTC
From: jerry
Topic: 6321 Message: 6338

I am using the top rail method that was mentioned already but on the other end i used a wooden dowel inside the pvc pipe to make it so the pvc does not bend in the wind and the pvc protects the wood dowel , it has been mounted on the top of a pipe now for 7 years without problems ,,
j

----- Original Message ----
From: vlincoln <vlincoln@...>
To: ham-antennas@yahoogroups.com
Sent: Friday, October 17, 2008 2:06:46 PM
Subject: Re: [ham-antennas] What To Use For Poles To Mount Antenna ?

A steel 20' top bar for chain link fencing, and a 6-10' closet wooden hanging
bar for clothes, secured with a hose clamp inside the steel pole,
makes a pretty rigid support abot 25-30' high. Fairly light weight,
and inexpensive.
purchase a little larger 4' pipe, and pound it into the ground for
easy taking out of
the 20' pipe and putting it back up.
wd8aam

At 20:34 10/17/2008, you wrote:

>I have a 40 ft long parallel dipole which I want to install next to my
>house and extending into the back yard. I would like to mount it
>about 23 ft above ground, which would put it about 5 ft above the
>highest point on the house.
>
>What would make good poles for supporting the ends of the dipole? The
>trees on my lot are not anywhere near where I can string the dipole
>due to power lines. Since the poles will be rather near the ends of
>the dipole (1 foot or so), I would rather have non-conducting poles.
>I don't know where to get a wooden rod that would meet my needs. PVC
>pipe is too flexible.
>
>Any suggestions welcome!
>
>Bill
>KD0FAE
>
>

[Non-text portions of this message have been removed]

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[Non-text portions of this message have been removed]

6339. Re: [ham-antennas] Re: 4:1 Balum Core Saturation on Windum producing RFI feedback when using 600 watts

Yahoo group: ham-antennas (2008)
Date: 2008-10-18 00:18:00 UTC
From: jerry
Topic: 6326 Message: 6339

three weeks ago i had the same problem and it turned out like others mentioned that the angle connector i used at the radio was bad, had two go bad the same day while working on the amp,

----- Original Message ----
From: Scott Laughlin <n7net@...>
To: ham-antennas@yahoogroups.com
Sent: Friday, October 17, 2008 2:06:27 PM
Subject: [ham-antennas] Re: 4:1 Balum Core Saturation on Windum producing RFI feedback when using 600 watts

Pete,

I fought a similar problem with a G5RV. It turned out to be the RF connector on the tuner. It looked okay but it wasn't.

It's hard on radios.

72 de Scott/n7net/ qrp

--- In ham-antennas@ yahoogroups. com, "Pete Mihnovets" <pmihnovets@ ...> wrote:
>
> I am trying to get my SB220 to load up on a Carolina Windom 135 feet
> long. 4:1 Balun @ 70 feet elevation suspended by Carolina Pines. My
> problem is that I can get an input match for a few minutes then the
> SWR wanders high. I suspect that this is due to the 400T iron powder
> core heating up.
>
> My question is this caused by the design of the unbalanced antenna?
> Does any one use one in the group with an amplifier with success?
>
> I have used a line Isolator at 22 feet from the balun plus and 6" air
> 1:1 balun to reduce the RF skin affect RFI feedback. This has helped
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> input side of the Amplifier.
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> And I also have a MFG 269C 3Kw tuner getting a 1:1 match on the

> output (Windum) side. After a minute of transmitting at 600 wats
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> SWR on the input side goes high and the transceiver power reduces
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> to it's solid state final going into preservation mode.
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> Any thoughts would be appreciated.
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> 73
> Pete
> KI4RBD
>

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http://mail.yahoo.com

[Non-text portions of this message have been removed]

6340. Re: angle of descent for G5RV as an inverted V?

Yahoo group: ham-antennas (2008)
Date: 2008-10-18 00:58:30 UTC
From: Scott Laughlin
Topic: 6335 Message: 6340

When we first moved to Texas we rented a house where I wasn't sure what the neighbors would say about an antenna. So I laid a G5RV Jr. on it's side and hid it in a live oak tree. The apex was pretty sharp and pointed directly at 1 country. It worked and kept me on the air with five watts for a year. But it certainly had a back side.

72 de Scott/n7net/qrp

--- In ham-antennas@yahoogroups.com, "hochman_97" <hochman_97@...>
wrote:
>
> I have a G5RV-Jr antenna which I want to hang as an inverted V...
> what is the max angle the horizontal segments can droop from perfectly
> perpendicular to the feedline without degrading performance?
>
> Thanks.
>

6341. RE: [ham-antennas] What To Use For Poles To Mount Antenna ?

Yahoo group: ham-antennas (2008)
Date: 2008-10-18 03:39:40 UTC
From: james
Topic: 6321 Message: 6341

Yes, the military portable masts work great. Be sure to get guy rings. At about 24 feet tall (4 foot sections) using fiberglass you should use a guy ring every 8 feet, plus at the top (that makes 3 rings). Be aware that these fiberglass poles will decay with exposure to the suns UV rays. You'll need to paint the poles if you want a permanent installation.

If you use aluminum you can go 3 sections per guy point. I didn't guy the top of my 40 foot aluminum mast and it's holding fine with just the inverted V wire antenna to steady it.

----- Original Message Follows -----
From: "James M.\(Jim\) Geidl" <jgeidl@...>
To: <ham-antennas@yahoogroups.com>
Subject: RE: [ham-antennas] What To Use For Poles To Mount Antenna ?
Date: Fri, 17 Oct 2008 13:49:13 -0700

> Bill,
>
> This stuff is great. I use it and the same thing in
> aluminum. The aluminum is a little strong but with the
> little bit you are going to have sticking up in the air it
> shouldn't matter.
>
> Jim, K6JMG
> www.spinochio.com
>
> //
>
>
> > [mailto:ham-antennas@yahoogroups.com] On Behalf Of
> > vaclav sal Sent: Friday, October 17, 2008 1:40 PM
> > To: ham-antennas@yahoogroups.com
> > Subject: Re: [ham-antennas] What To Use For Poles To
> > Mount Antenna ?
> >
> > Here is a link to e-bay for start.
> >
> >
> >
> >
>
http://cgi.ebay.com/Military-ANTENNA-MAST-Fiberglass-POLES-use

> >
>
d_W0QQitemZ270288150592QQcmdZViewItem?hash=item27028815059
> > 2&_t
>
rkparms=72%3A1205%7C39%3A1%7C66%3A2%7C65%3A12%7C240%3A1318
> > &_tr ksid=p3286.c0.m14
> >
> > --- On Fri, 10/17/08, kd0fae <kd0fae@...> wrote:
> >
> > From: kd0fae <kd0fae@...>
> > Subject: [ham-antennas] What To Use For Poles To Mount
> > Antenna ? To: ham-antennas@yahoogroups.com
> > Date: Friday, October 17, 2008, 1:34 PM
> >
> >
> >
> >
> >
> >
> > I have a 40 ft long parallel dipole which I want to
> > install next to my house and extending into the back
> > yard. I would like to mount it about 23 ft above ground
> > , which would put it about 5 ft above the highest point
> > on the house.
> > What would make good poles for supporting the ends of
> > the dipole? The trees on my lot are not anywhere near
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> > the poles will be rather near the ends of the dipole (1
> > foot or so), I would rather have non-conducting poles.
> > I don't know where to get a wooden rod that would meet
> > my needs. PVC pipe is too flexible.
> >
> > Any suggestions welcome!
> >
> > Bill
> > KD0FAE
>
>

6342. Dipole effective height

Yahoo group: ham-antennas (2008)
Date: 2008-10-18 16:50:00 UTC
From: Bill Coulson
Topic: 6342 Message: 6342

Hello group

Can anyone tell me how close to the edge of a mountain bluff a dipole installation needs to be in order for the antenna's electric formula to "see" the height above ground of the valley below.

Bill Coulson K7EKO
Colville, WA

[Non-text portions of this message have been removed]

6343. Re: [ham-antennas] Dipole effective height

Yahoo group: ham-antennas (2008)
Date: 2008-10-18 17:08:56 UTC
From: Alan Wilson
Topic: 6342 Message: 6343

I would guess it would have to be over the valley below, but thats just a guess..good luck, Alan

On 10/18/08, Bill Coulson <wcoulson@...> wrote:
>
> Hello group
>
> Can anyone tell me how close to the edge of a mountain bluff a dipole
> installation needs to be in order for the antenna's electric formula to
> "see" the height above ground of the valley below.
>
> Bill Coulson K7EKO
> Colville, WA
>
> [Non-text portions of this message have been removed]
>
>
>

--
Alan Wilson
67 Bullseye Lane
Victor, MT 59875
http://montanaham.tripod.com

[Non-text portions of this message have been removed]

6344. Re: [ham-antennas] Dipole effective height

Yahoo group: ham-antennas (2008)
Date: 2008-10-18 18:08:35 UTC
From: Lee
Topic: 6342 Message: 6344

What great bluffs you have out there too Bill. Yet while you get the 'distance' I'm a'thinking (southern technical term)
that unless your 'view' to the horizon is what is gonna get ya.

Think of it this way, if all you needed for a great antenna was a hole to stretch the wire over, mine shafts
would be great spots.

Make sense?

Lee
KE4VYN

----- Original Message -----
From: Bill Coulson<mailto:wcoulson@...>
To: ham-antennas@yahoogroups.com<mailto:ham-antennas@yahoogroups.com>
Sent: Saturday, October 18, 2008 11:50 AM
Subject: [ham-antennas] Dipole effective height

Hello group

Can anyone tell me how close to the edge of a mountain bluff a dipole installation needs to be in order for the antenna's electric formula to "see" the height above ground of the valley below.

Bill Coulson K7EKO
Colville, WA

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

6345. Re: [ham-antennas] Dipole effective height

Yahoo group: ham-antennas (2008)
Date: 2008-10-18 18:14:36 UTC
From: Lee
Topic: 6342 Message: 6345

I REALLY need to look at things before I hit send! haha

What I ment was, unless the ground is in fact 'ground' not just a valley floor of some chasm, your take off is gonna be blocked by earth.
Or at the least be very directional depending on which way the 'valley' is pointed.

Hence, the reasoning behind not just digging a hole for the extra height.

Works for big radio telescopes but not dipoles.

Lee

----- Original Message -----
From: Lee<mailto:ke4vyn@...>
To: ham-antennas@yahoogroups.com<mailto:ham-antennas@yahoogroups.com>
Sent: Saturday, October 18, 2008 1:08 PM
Subject: Re: [ham-antennas] Dipole effective height

What great bluffs you have out there too Bill. Yet while you get the 'distance' I'm a'thinking (southern technical term)
that unless your 'view' to the horizon is what is gonna get ya.

Think of it this way, if all you needed for a great antenna was a hole to stretch the wire over, mine shafts
would be great spots.

Make sense?

Lee
KE4VYN

----- Original Message -----
From: Bill Coulson<mailto:wcoulson@...<mailto:wcoulson%40gotsky.com>>
To: ham-antennas@yahoogroups.com<mailto:ham-antennas%40yahoogroups.com><mailto:ham-antennas@yahoogroups.com<mailto:ham-antennas%40yahoogroups.com>>
Sent: Saturday, October 18, 2008 11:50 AM
Subject: [ham-antennas] Dipole effective height

Hello group

Can anyone tell me how close to the edge of a mountain bluff a dipole installation needs to be in order for the antenna's electric formula to "see" the height above ground of the valley below.

Bill Coulson K7EKO
Colville, WA

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

6346. Re: [SPAM]Re: [ham-antennas] Dipole effective height

Yahoo group: ham-antennas (2008)
Date: 2008-10-18 18:23:10 UTC
From: Bill Coulson
Topic: 6342 Message: 6346

yes but this is very hard to explain trying to describe geographically my installation.

Everyone talks about getting their dipole as high as it can get to assist the SWR and radiation of signal.

I was wondering if the antenna sees the ground around it or sees basically nothing due to it height above the valley

Bill Coulson

----- Original Message -----
From: Lee
To: ham-antennas@yahoogroups.com
Sent: Saturday, October 18, 2008 11:08 AM
Subject: [SPAM]Re: [ham-antennas] Dipole effective height

What great bluffs you have out there too Bill. Yet while you get the 'distance' I'm a'thinking (southern technical term)
that unless your 'view' to the horizon is what is gonna get ya.

Think of it this way, if all you needed for a great antenna was a hole to stretch the wire over, mine shafts
would be great spots.

Make sense?

Lee
KE4VYN

----- Original Message -----
From: Bill Coulson<mailto:wcoulson@...>
To: ham-antennas@yahoogroups.com<mailto:ham-antennas@yahoogroups.com>
Sent: Saturday, October 18, 2008 11:50 AM
Subject: [ham-antennas] Dipole effective height

Hello group

Can anyone tell me how close to the edge of a mountain bluff a dipole installation needs to be in order for the antenna's electric formula to "see" the height above ground of the valley below.

Bill Coulson K7EKO
Colville, WA

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

6347. Re: [ham-antennas] Dipole effective height

Yahoo group: ham-antennas (2008)
Date: 2008-10-18 19:16:52 UTC
From: Andy
Topic: 6342 Message: 6347

> Can anyone tell me how close to the edge of a mountain bluff a dipole
> installation needs to be in order for the antenna's electric formula to
> "see" the height above ground of the valley below.

If I understand correctly, you have a tall cliff, and you want to hang an antenna off the side of the cliff in order to make it appear as a high antenna, well above ground, using the cliff as a natural support.

Either that, or you want to erect a tower or string a wire between trees, and want to know how far away from the cliff it needs to be.

If the cliff were (say) 50 feet high, and you mounted the antenna 50 feet sideways away from the cliff, then it would see the ground 50 feet below it, but it would also see the cliff 50 feet to its side, which will definitely affect (skew or distort) its radiation pattern.

At less than 50 feet (i.e., the height of the antenna) from the cliff, the effect probably gets worse.

So part of the answer to your question depends on knowing just how much distortion in the radiation pattern from the cliff you can tolerate.

If you want it to behave like a textbook antenna above flat ground, it may need to be several times the longer of (a) the wavelength, and (b) the antenna's height, away from the cliff.

On the other hand, if it's a beam or yagi antenna aimed away from the cliff, maybe it could be a lot closer.

I'd be tempted to want to model this in one of the NEC derivatives or another antenna modeling program, one that is known to handle rocks and real earth ground, to investigate this problem.

So, I can't answer your question. Sorry.

Regards,
Andy

6348. Re: [SPAM]Re: [ham-antennas] Dipole effective height

Yahoo group: ham-antennas (2008)
Date: 2008-10-18 19:51:24 UTC
From: Bill Coulson
Topic: 6342 Message: 6348

Thank you Andy and Lee

----- Original Message -----
From: Andy
To: ham-antennas@yahoogroups.com
Sent: Saturday, October 18, 2008 12:16 PM
Subject: [SPAM]Re: [ham-antennas] Dipole effective height

> Can anyone tell me how close to the edge of a mountain bluff a dipole
> installation needs to be in order for the antenna's electric formula to
> "see" the height above ground of the valley below.

If I understand correctly, you have a tall cliff, and you want to hang an antenna off the side of the cliff in order to make it appear as a high antenna, well above ground, using the cliff as a natural support.

Either that, or you want to erect a tower or string a wire between trees, and want to know how far away from the cliff it needs to be.

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On the other hand, if it's a beam or yagi antenna aimed away from the cliff, maybe it could be a lot closer.

I'd be tempted to want to model this in one of the NEC derivatives or another antenna modeling program, one that is known to handle rocks and real earth ground, to investigate this problem.

So, I can't answer your question. Sorry.

Regards,
Andy

[Non-text portions of this message have been removed]

6349. Re: [ham-antennas] Re: longwire v gr5v

Yahoo group: ham-antennas (2008)
Date: 2008-10-19 01:28:53 UTC
From: Steve Friis
Topic: 6296 Message: 6349

Scott Laughlin wrote:
> Alan,
>
> A Beverage is the best for receiving because it generates the least
> noise of its own.
>
> 72 de Scott
Besides, they taste good.

--
Steve Friis
Amateur Call WM5Z
APRS WM5Z-1 Las Cruces Igate | APRS WM5Z-2 Home | APRS WM5Z-3 RV | APRS WM5Z-15 Weather

These are the humble rantings of an El Viejo Pedoro (old fart) and in no way should they influence the actions of any intelligent and sane person.

6350. Re: [ham-antennas] Using Hrdline

Yahoo group: ham-antennas (2008)
Date: 2008-10-19 01:28:55 UTC
From: Steve Friis
Topic: 6303 Message: 6350

Dave wrote:
> I'm about to string hardline between the antenna (up a 60' tower) and my transceiver. Total run is approximately 275'. My question is how to secure this stuff to the tower. I see micrtowave towers in the area with multiple hardline runs and wonder if there is an metal or pvc type clamp that attaches to the tower, and secures the hardline as well. I could use some heavy duty cable ties, but I'm concerned that the hardline is sufficiently heavy to make them ineffective. Suggestions will be much appreciated.
>
> Thanks in advance
>
> Dave
>
>
In the broadcast industry where the coax is 3, 4 and sometimes 6" in diameter the standard practice is to use stainless steel worm screw clamps, just like hose clamps. They can be had at companies like Andrews. Kind of expensive, but I've seen them last well over 10 years. They don't deteriorate because of UV radiation like plastic wire ties, they don't stretch like plastic ties and can handle high winds and ice loading.

--
Steve Friis
Amateur Call WM5Z
APRS WM5Z-1 Las Cruces Igate | APRS WM5Z-2 Home | APRS WM5Z-3 RV | APRS WM5Z-15 Weather

These are the humble rantings of an El Viejo Pedoro (old fart) and in no way should they influence the actions of any intelligent and sane person.

6351. Re: [ham-antennas] Re: Optimum Yagi Height in a Valley ???

Yahoo group: ham-antennas (2008)
Date: 2008-10-19 01:29:00 UTC
From: Steve Friis
Topic: 6309 Message: 6351

jeff wrote:
> A minimum of 1/2 wave over the lip of the valley :)
>
>
If done right, ;-) you can use freznell refraction for over the horizon communications. ;-)

--
Steve Friis
Amateur Call WM5Z
APRS WM5Z-1 Las Cruces Igate | APRS WM5Z-2 Home | APRS WM5Z-3 RV | APRS WM5Z-15 Weather

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6352. Re: [ham-antennas] What To Use For Poles To Mount Antenna ?

Yahoo group: ham-antennas (2008)
Date: 2008-10-19 01:29:02 UTC
From: Steve Friis
Topic: 6321 Message: 6352

kd0fae wrote:
> I have a 40 ft long parallel dipole which I want to install next to my
> house and extending into the back yard. I would like to mount it
> about 23 ft above ground, which would put it about 5 ft above the
> highest point on the house.
>
> What would make good poles for supporting the ends of the dipole? The
> trees on my lot are not anywhere near where I can string the dipole
> due to power lines. Since the poles will be rather near the ends of
> the dipole (1 foot or so), I would rather have non-conducting poles.
> I don't know where to get a wooden rod that would meet my needs. PVC
> pipe is too flexible.
>
> Any suggestions welcome!
>
> Bill
> KD0FAE
>
If I am reading you right, the "ends" are the antenna ends, and the "poles" are the power company supports? If this is correct, then I would recommend you do anything that keeps you away from the power poles for safety reasons. Do whatever it takes to keep away from those power poles. Fold the antenna to make it fit in a smaller area, use loading coils to shorten the antenna, anything. I would rather call you sparky because you like CW than because it was what got you in the newspaper in the obituary section.

Here are some ideas. I built a couple of antenna using large 1 1/2" PVC pipe sections to wind a couple of 140uh coils. These take about 100 turns of #18 wire. Put these on the ends of 66' long dipoles. Add around 15 feet to the ends, and now you have an 160/80 meter dipole. Make the coils 60uh the legs 33' and the stubs about 10' and now you have 80/40 meters. See where I'm coming from? Reduce the lengths and get extra bands to boot.

Traps are another way to shorten an antenna to fit in a smaller length. Putting 10, 15, 20 and 30 meter traps in the correct places can make a 40 meter dipole fit where it normally wouldn't. Unadilla makes some great traps if you don't want to make your own. They have one model that makes a dipole fit in 60' of space.

What ever you do, don't tempt fate and mess around near the power lines.

--
Steve Friis
Amateur Call WM5Z

APRS WM5Z-1 Las Cruces Igate | APRS WM5Z-2 Home | APRS WM5Z-3 RV | APRS WM5Z-15 Weather

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6353. Re: [ham-antennas] Tuner placement

Yahoo group: ham-antennas (2008)
Date: 2008-10-19 01:29:04 UTC
From: Steve Friis
Topic: 6334 Message: 6353

barbiekenw wrote:
> , October 17, 2008 3:42 PMFrom:
>
> I have Steppir vertical I use on several band with a couple of
> elevated radials in an RV park.
>
> SWR is about 1.8 or less on those freqs that correspond to the
> radials. I am adding a tuner to add some frequencies. I have in the
> coax line a LP filter and a balun to decouple the feed line.
> Currently the set up is: amplifier - LP Filter - decoupling balun -
> coax exiting shack to vertical.
>
> I was thinking that maybe the LP filter or the decoupling balun might
> work better at lower SWR. So I could place the tuner between the amp
> and the LP filter,or between the LP filter and the balun, or between
> the balun and the feedline exiting the shack.
>
> I have a feeling placement does not matter, but I wondered if anyone
> has other information.
>
> Ken
>
>
>
The low pass filter should be after the amp to stop the radiation of spurious signals from all amplifying stages. The tuner should be between the filter and the antenna. The filter works best when terminated at the design impedance.

I would think it would be better to add the proper radials and not use a tuner at all if possible. The radials will increase the radiation efficiency, the tuner will add losses, not contributing to the radiation pattern but making heat in it's little box. If you need to, you can always use loading coils or even traps to make the radials work on more than one band. I know one ham that used a multi-band dipole to make his radials. Works fine for him.

Hope this helps.

--
Steve Friis
Amateur Call WM5Z
APRS WM5Z-1 Las Cruces Igate | APRS WM5Z-2 Home | APRS WM5Z-3 RV | APRS WM5Z-15 Weather

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6354. Re: [ham-antennas] I'm New Here

Yahoo group: ham-antennas (2008)
Date: 2008-10-19 03:21:21 UTC
From: Earl Needham
Topic: 6295 Message: 6354

Scott Laughlin wrote:
> Hi Everyone,
>
> I'm glad to a member of this group. Antennas have always been of
> interest to me. Lots of unanswered questions revolve around them.
>
> Beginning in 1957 I replaced Zepp antennas on C-121 aircraft. There
> two on each aircraft, each 67 feet long. I believe the C-54 antenna
> was the same length. I've not been able to learn the length of the
> antennas on fighters. Does anyone remember?

Not very long at all -- the few I've seen were built into the vertical
stab.

7 3 from a retired T/SGT
Earl

--
KD5XB -- Earl Needham
Clovis, New Mexico DM84jk
http://groups.yahoo.com/group/cw_bugs
Quoting from the Coast Guard: ZUT

6355. Re: [ham-antennas] What To Use For Poles To Mount Antenna ?

Yahoo group: ham-antennas (2008)
Date: 2008-10-19 03:25:02 UTC
From: Earl Needham
Topic: 6321 Message: 6355

kd0fae wrote:
> I have a 40 ft long parallel dipole which I want to install next to my
> house and extending into the back yard. I would like to mount it
> about 23 ft above ground, which would put it about 5 ft above the
> highest point on the house.
>
> What would make good poles for supporting the ends of the dipole? The
> trees on my lot are not anywhere near where I can string the dipole
> due to power lines. Since the poles will be rather near the ends of
> the dipole (1 foot or so), I would rather have non-conducting poles.
> I don't know where to get a wooden rod that would meet my needs. PVC
> pipe is too flexible.

Try 4" or even larger diameter PVC pipe -- it isn't very flexible at
all. I use a piece of 4" diameter with my Icom AH-4 mounted on the top
end of it and braced next to the end of the house. It's been up there
several years and works great.

7 3
Earl
--
KD5XB -- Earl Needham
Clovis, New Mexico DM84jk
http://groups.yahoo.com/group/cw_bugs
Quoting from the Coast Guard: ZUT

6356. Re: [ham-antennas] What To Use For Poles To Mount Antenna ?

Yahoo group: ham-antennas (2008)
Date: 2008-10-19 03:41:21 UTC
From: Harold Burton
Topic: 6321 Message: 6356

I used a 30 foot telescoping mast with an 18" standoff at the top for my center support. I ripped a 10 foot 2x4 in half and hose clamped the 2"x2"x10 foot planks to metal T posts driven in to the ground for my end supports. They put the ends of my dipole at about 12 feet high. There are lengths of nylon cord separating the ends of the dipole and the wood posts. Seems to work OK.

Harold
KD5SAK

----- Original Message -----
From: "Earl Needham" <needhame1@...>
To: <ham-antennas@yahoogroups.com>
Sent: Saturday, October 18, 2008 10:25 PM
Subject: Re: [ham-antennas] What To Use For Poles To Mount Antenna ?

> kd0fae wrote:
>> I have a 40 ft long parallel dipole which I want to install next to my
>> house and extending into the back yard. I would like to mount it
>> about 23 ft above ground, which would put it about 5 ft above the
>> highest point on the house.
>>
>> What would make good poles for supporting the ends of the dipole? The
>> trees on my lot are not anywhere near where I can string the dipole
>> due to power lines. Since the poles will be rather near the ends of
>> the dipole (1 foot or so), I would rather have non-conducting poles.
>> I don't know where to get a wooden rod that would meet my needs. PVC
>> pipe is too flexible.
>
> Try 4" or even larger diameter PVC pipe -- it isn't very flexible at
> all. I use a piece of 4" diameter with my Icom AH-4 mounted on the top
> end of it and braced next to the end of the house. It's been up there
> several years and works great.
>
> 7 3
> Earl
> --
> KD5XB -- Earl Needham
> Clovis, New Mexico DM84jk
> http://groups.yahoo.com/group/cw_bugs
> Quoting from the Coast Guard: ZUT
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
> to ALL 1446 members (as of 9/26/08, and attachments are NOT permitted.

> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>

6357. Re: I'm New Here

Yahoo group: ham-antennas (2008)
Date: 2008-10-19 13:59:31 UTC
From: Scott Laughlin
Topic: 6295 Message: 6357

Hi Earl,

Great to see you here.

I know the antennas grew smaller as the aircraft exceeded speeds too fast for wire antennas. Our Super Connies were approaching that speed. I restrung a bunch of them, especially the #2 antenna that went to the outside vert stab. It always went first. The C-54, C-124 and others were a straight shot in the early '50s.

The fighters of that era had already surpassed those speeds and I was never given the opportunity to work on a P-51 or a P-38.

My first transmitter was a rockbound Heath DX-20. I could tune the hf band (except 160) with a 67 foot Zepp wire with no tuner.

Weren't you and I who both made our first SKCC contact?

72 de Scott/n7net/qrp

--- In ham-antennas@yahoogroups.com, Earl Needham <needhame1@...>
wrote:
>
> Scott Laughlin wrote:
> > Hi Everyone,
> >
> > I'm glad to a member of this group. Antennas have always been of
> > interest to me. Lots of unanswered questions revolve around them.
> >
> > Beginning in 1957 I replaced Zepp antennas on C-121 aircraft.
There
> > two on each aircraft, each 67 feet long. I believe the C-54
antenna
> > was the same length. I've not been able to learn the length of
the
> > antennas on fighters. Does anyone remember?
>
> Not very long at all -- the few I've seen were built into the
vertical
> stab.
>
> 7 3 from a retired T/SGT
> Earl
>
> --
> KD5XB -- Earl Needham
> Clovis, New Mexico DM84jk

> http://groups.yahoo.com/group/cw_bugs
> Quoting from the Coast Guard: ZUT
>

6358. Re: Using Hrdline

Yahoo group: ham-antennas (2008)
Date: 2008-10-19 14:41:34 UTC
From: Al
Topic: 6303 Message: 6358

Dave,

You might check out the unistrut system.

http://www.unistrut.com/

I've used there channel and simple two part clamps for many antenna applications. Once you have a channel mounted to the tower side (horizontally at several levels on the tower), it's easy to clamp and rearange any thing runnig up the side of your tower (crank-up towers might present some limitations!). You can find the channel and clamps at Lowes, Home Depot etc in the electical section. Last time I bought clamps, the best price was from McMaster-Carr. Once you start using this stuff, you'll find all kinds of Ham Radio applications.

73, Al

--- In ham-antennas@yahoogroups.com, Dave <w8qwdave@...> wrote:
>
> I'm about to string hardline between the antenna (up a 60' tower) and my transceiver. Total run is approximately 275'. My question is how to secure this stuff to the tower. I see micrtowave towers in the area with multiple hardline runs and wonder if there is an metal or pvc type clamp that attaches to the tower, and secures the hardline as well. I could use some heavy duty cable ties, but I'm concerned that the hardline is sufficiently heavy to make them ineffective. Suggestions will be much appreciated.
>
> Thanks in advance
>
> Dave
>
> _____
> PeoplePC Online
> A better way to Internet
> http://www.peoplepc.com
>

6359. Re: [ham-antennas] Re: I'm New Here

Yahoo group: ham-antennas (2008)
Date: 2008-10-19 16:15:58 UTC
From: Earl Needham
Topic: 6295 Message: 6359

Scott Laughlin wrote:
> Hi Earl,
>
> Great to see you here.
>
> I know the antennas grew smaller as the aircraft exceeded speeds too
> fast for wire antennas. Our Super Connies were approaching that
> speed.

Boy that's the truth -- the 121/Connie was one fast plane for it's time, and for recips, too! I saw one on the ramp just a couple of weeks ago, BTW -- Salina, Ks I think it was.

<snip>
> The fighters of that era had already surpassed those speeds and I was
> never given the opportunity to work on a P-51 or a P-38.

Most of the fighters I was around didn't have HF, but occasionally I would read the T.O. or talk to others, or even wander through their hanger and take a look. Seems like they had a pretty hefty auto-coupler at the base of the vertical stab and I think they used an HF similar to what the C-141 used -- and on the C-141, it would tune that spike almost anywhere from way below 40 meters all the way up to 30 MHz, maybe more. I only got to use it once, on a transcontinental flight, and I got the pilot a phone patch to his brother, via the Maritime Mobile Service Net. The whole aircrew was sure impressed, and once the phone patch was completed, I had an instant pileup to work!

> My first transmitter was a rockbound Heath DX-20. I could tune the
> hf band (except 160) with a 67 foot Zepp wire with no tuner.
>
> Weren't you and I who both made our first SKCC contact?

I'm not sure -- that sounds familiar, but I'm not finding your call in DXKeeper -- so I'm just not sure.

7 3
Earl

--
KD5XB -- Earl Needham
Clovis, New Mexico DM84jk
http://groups.yahoo.com/group/cw_bugs
Quoting from the Coast Guard: ZUT

6360. test

Yahoo group: ham-antennas (2008)
Date: 2008-10-20 00:39:30 UTC
From: dennisissure
Topic: 890 Message: 6360

tested
Dennis G. Peterson
326 East Jefferson Street
Apt 2
York, SC 29745
803-389-9366

See my URL story below and other -- URLstories

http://www.yananow.net/Mentors/DennisD.htm

http://www.lawyersandsettlements.com/case/veteran_medical_malpractice.html

[Non-text portions of this message have been removed]

6361. efficient, easy to build or install dipole wire antenna that will cover 160-10

Yahoo group: ham-antennas (2008)
Date: 2008-10-20 00:56:45 UTC
From: Dennis G. Peterson
Topic: 6361 Message: 6361

Hello every, I am new to this group. I need some expertise from someone who has built and used efficiently a dipole antenna.

I want to put up a dipole that will cover 160 meters thru 10 meters. I have limited space but do have two pine trees about 120 feet apart and a elm or maple that is off set but kind of centered between the pine trees. In the back yard, the yard is short but the trees and woods go back about a block or even more.

The problem I am having is getting the antenna up at least 30 feet or more. Prostate cancer and other medical issues are preventing me from throwing like I used to. I seem to be able to only throw about 20 feet up if that much.

I was absent from ham radio for almost 3 years and am just getting back on. My station consists of an ICOM 735 transceiver, an Astron RS20A power supply, an MFJ 949E Delux Versa Tuner II. I will be running only 100 watts.

MY FAVORITE BAND IS 160 METERS. I want to be able to use all bands and I have been looking at several manufactured antennas, but I have limited financial resources due to the medical issues.

I have enough 14 gauge insulated stranded wire and nylon cord to pull the antenna up and tie it off. I don't seem to be able to locate the 300 ohm twin lead as no one locally has heard of it. I think I would also need a balun at the bottom of the 300 ohm twin lead. Need to know who makes the best and most efficient one. I already have the coax cable from inside the shack to outside which is RG8x. However if I need to run the twin lead directly to the tuner I will have to modify somewhat which isn't a problem.

Sorry for the lengthy post

In Advance Thank You and 73s
de K0CKDennis

I can provide a photo of the limited space and would send the same if you correspond to my email address of dennisissure@...

6362. Re: [ham-antennas] efficient, easy to build or install dipole wire antenna that will cover 160-10

Yahoo group: ham-antennas (2008)
Date: 2008-10-20 00:59:51 UTC
From: Dan Schaaf
Topic: 6361 Message: 6362

Dennis

Have a look at the Alpha-Delta DX-LB Plus.

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com "In the Beginning, there was Spark Gap"

----- Original Message -----
From: Dennis G. Peterson
To: ham-antennas@yahoogroups.com
Sent: Sunday, October 19, 2008 8:56 PM
Subject: [ham-antennas] efficient, easy to build or install dipole wire antenna that will cover 160-10

Hello every, I am new to this group. I need some expertise from someone who has built and used efficiently a dipole antenna.

I want to put up a dipole that will cover 160 meters thru 10 meters. I have limited space but do have two pine trees about 120 feet apart and a elm or maple that is off set but kind of centered between the pine trees. In the back yard, the yard is short but the trees and woods go back about a block or even more.

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Sorry for the lengthy post

In Advance Thank You and 73s
de K0CKDennis

I can provide a photo of the limited space and would send the same if you correspond to my email address of dennisissure@...

[Non-text portions of this message have been removed]

6363. RE: [ham-antennas] efficient, easy to build or install dipole wire antenna that will cover 160-10

Yahoo group: ham-antennas (2008)
Date: 2008-10-20 02:40:56 UTC
From: Richard Schmuke
Topic: 6361 Message: 6363

Dennis , don□t worry you are not the only one who can□t throw very well any more , two back operations , fused vertebras, and then my cancer messed up my neck and shoulder when they took parts and muscle out , but enough about the fun things let□s get back to antennas. I use a fishing pole , throw it over the tree then , pull a string back through, then hoist up one end of the antenna. I also made some tilt over poles that make a good supports. There are pictures in the kd0zz group picture file. If a cripple like me can make them any one can do it

Rich , KDØZZ

Disclaimer: Any errors in spelling or facts are transmission errors.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Dennis G. Peterson
Sent: Sunday, October 19, 2008 7:57 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] efficient, easy to build or install dipole wire antenna that will cover 160-10

Hello every, I am new to this group. I need some expertise from someone who has built and used efficiently a dipole antenna.

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<mailto:dennisissure%40comporium.net>

[Non-text portions of this message have been removed]

6364. Re: [ham-antennas] efficient, easy to build or install dipole wire antenna that will cover 160-10

Yahoo group: ham-antennas (2008)
Date: 2008-10-20 02:52:43 UTC
From: Lee
Topic: 6361 Message: 6364

Need a spud cannon.

Click here: The Spudgun Technology Center - Your Source for Spudgun Parts, information, and more!<http://www.spudtech.com/>

Lee
KE4VYN
WWW.3905CCN.COM

----- Original Message -----
From: Richard Schmuke<mailto:rdj@...>
To: ham-antennas@yahoogroups.com<mailto:ham-antennas@yahoogroups.com>
Sent: Sunday, October 19, 2008 9:40 PM
Subject: RE: [ham-antennas] efficient, easy to build or install dipole wire antenna that will cover 160-10

Dennis , don't worry you are not the only one who can't throw very well any more , two back operations , fused vertebras, and then my cancer messed up my neck and shoulder when they took parts and muscle out , but enough about the fun things let's get back to antennas. I use a fishing pole , throw it over the tree then , pull a string back through, then hoist up one end of the antenna. I also made some tilt over poles that make a good supports. There are pictures in the kd0zz group picture file. If a cripple like me can make them any one can do it

Rich , KDØZZ

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From: ham-antennas@yahoogroups.com<mailto:ham-antennas%40yahoogroups.com> [mailto:ham-antennas@yahoogroups.com<mailto:ham-antennas%40yahoogroups.com>] On Behalf Of Dennis G. Peterson
Sent: Sunday, October 19, 2008 7:57 PM
To: ham-antennas@yahoogroups.com<mailto:ham-antennas%40yahoogroups.com>
Subject: [ham-antennas] efficient, easy to build or install dipole wire antenna that will cover 160-10

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dennisissure@...<mailto:dennisissure%40comporium.net>
<mailto:dennisissure%40comporium.net>

[Non-text portions of this message have been removed]

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6365. Re: [ham-antennas] efficient, easy to build or install dipole wire antenna that will cover 160-10

Yahoo group: ham-antennas (2008)
Date: 2008-10-20 03:24:10 UTC
From: vaclav sal
Topic: 6361 Message: 6365

The native American way - bow and arrow "harpoon style".

_____
Do You Yahoo!?
Tired of spam? Yahoo! Mail has the best spam protection around
http://mail.yahoo.com

[Non-text portions of this message have been removed]

6366. Re: [ham-antennas] efficient, easy to build or install dipole wire antenna that will cover 160-10

Yahoo group: ham-antennas (2008)
Date: 2008-10-20 04:21:26 UTC
From: John P.
Topic: 6361 Message: 6366

Dennis,

I used a 25 pound bow, a target arrow and 25 pound test fishing line to get over the trees that were about 50 feet up. I used the fishing line to pull up mason line and the mason line to pull up 1/8 inch nylon rope. I pulled up 3/8 rope with that. Takes about 15 minutes total to get to the 1/8 inch nylon rope.

BTW, I drilled a small hole at the back of the arrow. Also, lay the fishing line spool flat and let the line spook off the side. If you let the spool spin it will put too much drag on the line and arrow.

Good Luck

--- On Sun, 10/19/08, Dennis G. Peterson <dennisissure@...> wrote:

From: Dennis G. Peterson <dennisissure@...>
Subject: [ham-antennas] efficient, easy to build or install dipole wire antenna that will cover 160-10
To: ham-antennas@yahoogroups.com
Date: Sunday, October 19, 2008, 8:56 PM

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Sorry for the lengthy post

In Advance Thank You and 73s
de K0CKDennis

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---
Do You Yahoo!?
Tired of spam? Yahoo! Mail has the best spam protection around
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[Non-text portions of this message have been removed]

6367. G5RV-Jr ...how badly can performance be degraded if setup wrong?

Yahoo group: ham-antennas (2008)
Date: 2008-10-20 06:37:10 UTC
From: hochman_97
Topic: 6367 Message: 6367

I have a G5RV-Jr antenna and due to restrictions in my backyard I'm having some trouble getting the most from it. The problems I have are that the radials slope down at sharp angles (i.e. greater than the optimal 120 deg that I've read about). I have the center feed of the antenna up about 30' but I've noticed I typically get contacts from stations which are a few hundred miles away, but anything further is fairly garbled (typically on 20M/40M).
What I'm wondering is if it's possible to improve the performance of the antenna, or if it's very sensitive to height/radial angle, etc. I have heard good things about them in general, but I know some people have them up much higher than I do. I'm also considering switching to a vertical to see if that improves my situation.

6368. Re: [ham-antennas] efficient, easy to build or install dipole wire antenna that will cover 160-10

Yahoo group: ham-antennas (2008)
Date: 2008-10-20 14:27:22 UTC
From: Pat Turner
Topic: 6361 Message: 6368

Dennis, i Have an Alpha Delta LB + I purchased (after Dan's and others recomendation). I am talking about anywhere on several bands. I do have a Palstar tuner to get the lowest SWR but the antenna is really good. It is up (at feedpoint) about 30 feet. My elevation is 1400 feet so this helps also.
thanks
Pat Turner, K3PB

--- On Mon, 10/20/08, Dan Schaaf <dan-schaaf@...> wrote:

From: Dan Schaaf <dan-schaaf@...>
Subject: Re: [ham-antennas] efficient, easy to build or install dipole wire antenna that will cover 160-10
To: ham-antennas@yahoogroups.com
Date: Monday, October 20, 2008, 12:59 AM

Dennis

Have a look at the Alpha-Delta DX-LB Plus.

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com "In the Beginning, there was Spark Gap"

----- Original Message -----
From: Dennis G. Peterson
To: ham-antennas@yahoogroups.com
Sent: Sunday, October 19, 2008 8:56 PM
Subject: [ham-antennas] efficient, easy to build or install dipole wire antenna that will cover 160-10

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In Advance Thank You and 73s
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[Non-text portions of this message have been removed]

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 1446 members (as of 9/26/08, and attachments are NOT permitted.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

_____
Do You Yahoo!?
Tired of spam? Yahoo! Mail has the best spam protection around
http://mail.yahoo.com

[Non-text portions of this message have been removed]

6369. Re: efficient, easy to build or install dipole wire antenna that will cover 160-10

Yahoo group: ham-antennas (2008)
Date: 2008-10-20 15:26:17 UTC
From: Mark Blanton
Topic: 6361 Message: 6369

Dennis,

300 ohm TV twin lead is almost impossible to find these days. Last fall I put up a 160 meter dipole fed with 450 ohm ladder line 50 feet high in the trees. Each leg is 130 feet. With my tuner I can work 160 thru 10. Because of available trees I was only able to put the antenna up in an "L" shape instead of a straight dipole. Last winter I worked 65 countries on 160 meters with that setup. In my case the ladder line feeds directly to my tuner, but a friend put up a similar antenna in which the ladder line transitioned to coax thru a 9:1 balun with good results. You can get ladder line from The Wireman. If you can't get 130 feet on each leg then put up as much as you can as high as you can and use that tuner to match it. I went to Walmart and bought a slingshot and some 1 ounce fishing weights to hang the wires. If all else fails, You can always ask the local ham club for help installing that antenna. Most of them would be glad to help.

Mark WC5M

--- In ham-antennas@yahoogroups.com, "Dennis G. Peterson" <dennisissure@...> wrote:
>
> Hello every, I am new to this group. I need some expertise from
> someone who has built and used efficiently a dipole antenna.
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> I want to put up a dipole that will cover 160 meters thru 10 meters.
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6370. inexpensive, safe way (for radio) to check optimal SWR on a band?

Yahoo group: ham-antennas (2008)
Date: 2008-10-20 15:43:24 UTC
From: hochman_97
Topic: 6370 Message: 6370

So, from what I understand (and sorry if this is a "beginner" question there is usually an optimal freq range within a band where the SWR of the antenna is lowest. Short of connecting the antenna directly to the radio (and possibly damaging the radio) is there an inexpensive way to tell where this range is for a particular antenna/setup? I know that an antenna tuner will always try to minimize the SWR the radio sees for the antenna, but this doesn't necessarily mean that the signal beyond the tuner sees an optimal antenna SWR. I know the indirect way is just to see who can be contacted, what the signal reports are on a particular freq, but I was wondering if there's another (possibly not too expensive) way? I'd imagine you could buy a fairly expensive antenna analyzer, but short of this is there a way to do this? Thanks.

6371. RE: [ham-antennas] inexpensive, safe way (for radio) to check optimal SWR on a band?

Yahoo group: ham-antennas (2008)
Date: 2008-10-20 16:24:13 UTC
From: Joe Ivey
Topic: 6370 Message: 6371

How about a good old fashion SWR meter? Just reduce the power of the transmitter.

Most modern radios have built in protection from high SWR and will automatically reduce
the power if the SWR is too high.

Joe

W4JSI

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of hochman_97
Sent: Monday, October 20, 2008 10:43 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] inexpensive, safe way (for radio) to check optimal SWR on a band?

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[Non-text portions of this message have been removed]

6372. Rookie Antenna builder Question

Yahoo group: ham-antennas (2008)
Date: 2008-10-20 18:27:28 UTC
From: amschler_clan
Topic: 6372 Message: 6372

I admit I just passed my Tech exam and am waiting for my call sign but that doesn't stop my from learning and building and hence this letter/question.

When building an antenna what is the difference between using brass and copper? Both are great conductors, both are used in antennas and both take solder well and resonate equal as far as I can find in my limited reading...

HOW FAR off in left field am I? The antennas will be 95% indoors 2, and 10 meter units.

73's

Paul

6373. RE: [ham-antennas] Rookie Antenna builder Question

Yahoo group: ham-antennas (2008)
Date: 2008-10-20 19:15:00 UTC
From: Richard Schmuke
Topic: 6372 Message: 6373

Paul , you will always get the □audio purists□ type people who say it has to be gold or silver plated. In the real word the only thing to you need to consider is if the antenna is going to be outdoors and in bad weather then you need to make sure you don□t get two dissimilar metals in contact and get corrosion in the joints. Brass and copper or a mix of both will work. They both solder very well. My j-pole is made out of galvanized steel because of the price of copper pipe. I have another with a stainless steel whip as the top element. The people on the receiving radio could not tell the difference. Most commercial 2m ¼ & 5/8 wave mag mounts are stainless steel because it holds up well and takes a nice heat-treat so if hit it will spring back. Copper wire or brass rod would conduct a little better but not hold up in use they would bend and look like a twisted coat hanger. Look at a ¼ wave vert made from a std coax fitting and some wire at my picture file with this group under Kd0zz. Any questions???? , feel free to ask what ever.

Rich , KDØZZ

Disclaimer: Any errors in spelling or facts are transmission errors.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of amschler_clan
Sent: Monday, October 20, 2008 1:27 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Rookie Antenna builder Question

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73's

Paul

[Non-text portions of this message have been removed]

6374. RE: [ham-antennas] inexpensive, safe way (for radio) to check optimal SWR on a band?

Yahoo group: ham-antennas (2008)
Date: 2008-10-20 19:20:49 UTC
From: Richard Schmuke
Topic: 6370 Message: 6374

I would start with a cheap ☐CB☐ type SWR meter , I have a Swan Brand and a Radio Shack one the work for me with a range of 3Mhz to 150 Mhz. You can reduce power , check the antenna at several spots in the band and you can tell right where the sweet spot is and adjust if needed.

Rich , KDØZZ

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From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of hochman_97
Sent: Monday, October 20, 2008 10:43 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] inexpensive, safe way (for radio) to check optimal SWR on a band?

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[Non-text portions of this message have been removed]

6375. RE: [ham-antennas] Rookie Antenna builder Question

Yahoo group: ham-antennas (2008)
Date: 2008-10-20 19:44:35 UTC
From: Richard Schmuke
Topic: 6372 Message: 6375

Paul , I will make another statement and I am sure some □experts□ will say I am wrong but you can solder almost any metal when you are making your antenna. They only thing I had a problem with was titanium rod. Try to used lead and/or silver based solder and a flux for stainless if you are going to try SS. The only secret is to wash it after to remove the excess flux. You can stop by your local welding shop and they will sell you a couple □heli-arc□ rods for next to nothing , ask for rods to weld 17-7. The come in 1/8 ,3/32 , 1/16 and 1/32 dia and are 36□ in length. The regular 321 316 type rods are soft and bend easy. 17-7 or even 17-4 rods have a good spring rate in the stock form so heat treat is not needed.

Rich , KDØZZ

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From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of amschler_clan
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To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Rookie Antenna builder Question

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73's

Paul

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6376. Re: [ham-antennas] inexpensive, safe way (for radio) to check optimal SWR on a band?

Yahoo group: ham-antennas (2008)
Date: 2008-10-20 19:57:13 UTC
From: Randy Morton
Topic: 6370 Message: 6376

An antenna analyzer is basically a high tech grid dip meter. Grid dip meters are inexpensive (a lot of old time hams will give you one if you'll use it) and they're a great learning tool since you can find the resonant point on any circuit in just a few minutes. You can also use it to find the value of unknown inductors and capacitors. Look it up online or contact one of your local, old time hams.

KE5EOT

On Mon, Oct 20, 2008 at 10:43 AM, hochman_97 <hochman_97@...> wrote:

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[Non-text portions of this message have been removed]

6377. HF vertical antenna safety @ 100W

Yahoo group: ham-antennas (2008)
Date: 2008-10-20 23:54:35 UTC
From: hochman_97
Topic: 6377 Message: 6377

I am planning on purchasing a multi-band vertical antenna within the next week or so, but I want to make sure that I place it in a location that is safe. I've read that ~20' from buildings is a good rule of thumb. Is that an absolute minimum? I'll probably be running no more than 100W/SSB on the HF bands....just wondering how far away people need to be from the antenna to avoid getting too much RF. I know there are docs someplace on estimating this, but I'm not sure where to look yet. Thanks.

6378. Re: HF vertical antenna safety @ 100W

Yahoo group: ham-antennas (2008)
Date: 2008-10-21 00:06:14 UTC
From: Mike C
Topic: 6377 Message: 6378

Here's a good site to use: http://n5xu.ece.utexas.edu/rfsafety/

--- In ham-antennas@yahoogroups.com, "hochman_97" <hochman_97@...> wrote:
>
>
> I am planning on purchasing a multi-band vertical antenna within the
> next week or so, but I want to make sure that I place it in a location
> that is safe. I've read that ~20' from buildings is a good rule of
> thumb. Is that an absolute minimum? I'll probably be running no more
> than 100W/SSB on the HF bands....just wondering how far away people
> need to be from the antenna to avoid getting too much RF. I know there
> are docs someplace on estimating this, but I'm not sure where to look
> yet. Thanks.
>

6379. RE: [ham-antennas] efficient, easy to build or install dipole wire antenna that will cover 160-10

Yahoo group: ham-antennas (2008)
Date: 2008-10-21 13:26:24 UTC
From: Callum M0MCX
Topic: 6361 Message: 6379

Throwing a line over a tree: Use my trick, see http://www.m0mcx.co.uk/?p=139

Want a all-band antenna? Use a loop- with a 4:1 balun.

Cheers,

Callum McCormick
http://www.m0mcx.co.uk/

I don't have a sig anymore

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Dennis G. Peterson
Sent: 20 October 2008 01:57
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] efficient, easy to build or install dipole wire antenna that will cover 160-10

Hello every, I am new to this group. I need some expertise from someone who has built and used efficiently a dipole antenna.

I want to put up a dipole that will cover 160 meters thru 10 meters. I have limited space but do have two pine trees about 120 feet apart and a elm or maple that is off set but kind of centered between the pine trees. In the back yard, the yard is short but the trees and woods go back about a block or even more.

The problem I am having is getting the antenna up at least 30 feet or more. Prostate cancer and other medical issues are preventing me from throwing like I used to. I seem to be able to only throw about 20 feet up if that much.

I was absent from ham radio for almost 3 years and am just getting back on. My station consists of an ICOM 735 transceiver, an Astron RS20A power supply, an MFJ 949E Delux Versa Tuner II. I will be running only 100 watts.

MY FAVORITE BAND IS 160 METERS. I want to be able to use all bands and I have been looking at several manufactured antennas, but I have limited financial resources due to the medical issues.

I have enough 14 gauge insulated stranded wire and nylon cord to pull the antenna up and tie it off. I don't seem to be able to locate the 300 ohm twin lead as no one locally has heard of it. I think I would also need a balun at the bottom of the 300 ohm twin lead. Need to know who makes the best and most efficient one. I already have the

coax cable from inside the shack to outside which is RG8x. However if I need to run the twin lead directly to the tuner I will have to modify somewhat which isn't a problem.

Sorry for the lengthy post

In Advance Thank You and 73s
de K0CKDennis

I can provide a photo of the limited space and would send the same if you correspond to my email address of dennisissure@...

6380. Re: efficient, easy to build or install dipole wire antenna that will cover 160-10

Yahoo group: ham-antennas (2008)
Date: 2008-10-21 13:40:37 UTC
From: gadzooks.mike
Topic: 6361 Message: 6380

Speaking of throwing a line over a tree - I've been lusting after one of these for awhile now...

http://www.antennalaunchers.com/antlaunching.html

--- In ham-antennas@yahoogroups.com, "Callum M0MCX" <callum@...> wrote:
>
> Throwing a line over a tree: Use my trick, see
http://www.m0mcx.co.uk/?p=139
>
> Callum McCormick

6381. Re: [ham-antennas] Re: efficient, easy to build or install dipole wire antenna that will cover 160-10

Yahoo group: ham-antennas (2008)
Date: 2008-10-21 14:01:57 UTC
From: danny garvin
Topic: 6361 Message: 6381

I built one of these this year and took it to field day with the local club and it was a great hit we was able to get our dipoles up around 50 to 60 ft with ease.
Danny
  WB9RIM

----- Original Message ----
From: gadzooks.mike <gadzooks.mike@...>
To: ham-antennas@yahoogroups.com
Sent: Tuesday, October 21, 2008 8:40:37 AM
Subject: [ham-antennas] Re: efficient, easy to build or install dipole wire antenna that will cover 160-10

Speaking of throwing a line over a tree - I've been lusting after one
of these for awhile now...

http://www.antennal aunchers. com/antlaunching .html

--- In ham-antennas@ yahoogroups. com, "Callum M0MCX" <callum@...> wrote:
>
> Throwing a line over a tree: Use my trick, see
http://www.m0mcx. co.uk/?p= 139
>
> Callum McCormick

[Non-text portions of this message have been removed]

6382. RE: [ham-antennas] efficient, easy to build or install dipole wire antenna that will cover 160-10

Yahoo group: ham-antennas (2008)
Date: 2008-10-21 14:26:33 UTC
From: vaclav sal
Topic: 6361 Message: 6382

Callum,
Just curious - what kind of trees do you have in your back yard?
?
My experience with following trees - in random order:
Hemlock - the line should?be close to trunk, line in branches can get stuck in pitch.
Western cedar - no matter where the line is (next to the trunk best) it will slide down with ease.
Cottonwood - use only when all the leaves are gone (...and the sky is gray). This tree eats the line with leaves pitch! Also if the?lane is left few years it will grow in! Branches break with ease and loud noise.
Texas oaks - most cooperative but the width of the crown is deceiving. The antenna ends up in the branches (Filed Day experience) - measure twice and cut once!
Alder - best to use in winter, too many little branches. Line grows in very early.
?
I found that combining cheap child?s bow with wooden arrows "harpoon" style is more accurate than sling shot. I use fishing pole stuck in the ground?next to me or helper holding it.
No additional or special hardware is required!
?
The brightly painted (easy to find when they get lost!) wooden arrows are weighted on the tip with 2-inch carriage bolt to get them down over the tree. Metal arrows are better, more expensive and?do not pick moisture.
?
My process is usually three steps - I shoot light fishing line first (10 pound or less), than this line pulls heavier fishing line over and the heavy line pulls?the real antenna support.
I use black Dacron rope (I think 200 pounds pull strength) - it may be more expensive but more common than real parachute line. It is absolutely weather resistant - I had my loop up for over 15 years in rainy Washington whiteout any problems.
?
My most memorable event - Field Day in public park where we installed 80 meter dipole over 150 foot hemlocks in less than half an hour. We?I had plenty of Scouts helping to pull 1/4 inch yellow poly ropes.
We got lots of looks and comments using fishing pole in vertical direction "Indian style". (Politically incorrect but still used in folklore and government!)
?
The only drawback is that you have to balance the first line strength with the power required to get the line over the tree and sometime the line breaks and than it is ? heads up!!!? to all present!
Loose arrow comes down with vengeance!
?
?
?
73 Vaclav AA7EJ

[Non-text portions of this message have been removed]

6383. Re: longwire v gr5v

Yahoo group: ham-antennas (2008)
Date: 2008-10-21 14:36:58 UTC
From: alan
Topic: 6296 Message: 6383

--- In ham-antennas@yahoogroups.com, Steve Friis <wm5z@...> wrote:
>
> Scott Laughlin wrote:
> > Alan,
> >
> > A Beverage is the best for receiving because it generates the
least
> > noise of its own.
> >
> > 72 de Scott
> Besides, they taste good.
>
> --
> Steve Friis
> Amateur Call WM5Z
> APRS WM5Z-1 Las Cruces Igate | APRS WM5Z-2 Home | APRS WM5Z-3 RV |
APRS WM5Z-15 Weather
>
> These are the humble rantings of an El Viejo Pedoro (old fart) and
in no way should they influence the actions of any intelligent and
sane person.
>hi all
id like to thank everyone who helped me in this antenna situation i
have run a 20 mtr insulated wire round my loft now to get listening
lol thanks.....alan

6384. New Member

Yahoo group: ham-antennas (2008)
Date: 2008-10-21 16:43:30 UTC
From: Ken K6KAW
Topic: 103 Message: 6384

Greetings to one and all...

Hello I'm Ken K6KAW / AG. I just passed my general at the ARRL Pacific Div convention on Sat 10-18.
The rig I used to make my first 3 contacts was a borrowed 817 with a Super Antenna MP-1. I just love the radio.

I live in an apartment so the antenna need to be fairly small but still effective. I've been thinking about the S/A MP-2.

What better way to hone my skills than QRP!

73
You cannot simultaneously prevent and prepare for war.

Albert Einstein, (attributed)
Ken Wise
K6kaw
cm87xx

[Non-text portions of this message have been removed]

6385. Vertical Yagi for HF ?

Yahoo group: ham-antennas (2008)
Date: 2008-10-21 17:04:48 UTC
From: ash_lee52
Topic: 6385 Message: 6385

Does anyone have experience using a HF Yagi in a vertical position, rather than as the traditional horizontal. I can't elevate a yagi much but modeling shows I'd get pretty decent angles of radiation using a low vertical orientation with a non conductive mast. I know vertical dipoles can work well... this seems to be a version of that with a bit more directional gain. A vertical dipole actually likes being close to the ground.

6386. Re: Vertical Yagi for HF ?

Yahoo group: ham-antennas (2008)
Date: 2008-10-21 17:18:32 UTC
From: Scott Laughlin
Topic: 6385 Message: 6386

I don't think HF frequencies are very much polarized.

Scott

--- In ham-antennas@yahoogroups.com, "ash_lee52" <ashton.lee@...> wrote:
>
> Does anyone have experience using a HF Yagi in a vertical position,
> rather than as the traditional horizontal. I can't elevate a yagi
much
> but modeling shows I'd get pretty decent angles of radiation using a
> low vertical orientation with a non conductive mast. I know vertical
> dipoles can work well... this seems to be a version of that with a
bit
> more directional gain. A vertical dipole actually likes being close
to
> the ground.
>

6387. Re: [ham-antennas] Vertical Yagi for HF ?

Yahoo group: ham-antennas (2008)
Date: 2008-10-21 17:38:37 UTC
From: Lee
Topic: 6385 Message: 6387

Ashton,
The issues will be if you usE a yagi vertically, this is assuming its on a 50-100 foot tower and your just turning it
on it axis then you will effectively have a vertical with no ground radials.
Unless your tower has a wide field of copper wire runs.

Yes, HF likes verticals and there is MUCH debate about what is better so we aint going there.
Yet, with interference from the tower and lack of ground plane (radials) a yagi on it side is not
going to give you what your looking for.

A vertical need to be close to the ground, abet on top of it with a large radial ground plane to work,
or it becomes a 'cloud warmer', good for 300-500 miles.
A above ground vertical, what your thinking of need tunes redials to work or back to be a cloud warmer.

Remember, as you get lower and lower in the 'AM DIAL', bigger and better antennas start to look like the AM stations
you drive past in the country. Big and tall with a field FILLED with copper wire.

Now of course if money is no problem, then there is a Japanese station that has a full size 80M beam you should
look at. He shunt feeds the boom for 160M. Yes, it is huge!

Hope this helps.

73,
Lee
KE4VYN

----- Original Message -----
From: ash_lee52<mailto:ashton.lee@...>
To: ham-antennas@yahoogroups.com<mailto:ham-antennas@yahoogroups.com>
Sent: Tuesday, October 21, 2008 12:04 PM
Subject: [ham-antennas] Vertical Yagi for HF ?

Does anyone have experience using a HF Yagi in a vertical position,
rather than as the traditional horizontal. I can't elevate a yagi much
but modeling shows I'd get pretty decent angles of radiation using a
low vertical orientation with a non conductive mast. I know vertical
dipoles can work well... this seems to be a version of that with a bit
more directional gain. A vertical dipole actually likes being close to
the ground.

[Non-text portions of this message have been removed]

6388. Re: Vertical Yagi for HF ?

Yahoo group: ham-antennas (2008)
Date: 2008-10-21 17:39:38 UTC
From: gadzooks.mike
Topic: 6385 Message: 6388

Do a quick google search for "Phased array".

--- In ham-antennas@yahoogroups.com, "ash_lee52" <ashton.lee@...> wrote:
>
> Does anyone have experience using a HF Yagi in a vertical position,
> rather than as the traditional horizontal. I can't elevate a yagi
much
> but modeling shows I'd get pretty decent angles of radiation using a
> low vertical orientation with a non conductive mast. I know vertical
> dipoles can work well... this seems to be a version of that with a
bit
> more directional gain. A vertical dipole actually likes being close
to
> the ground.
>

6389. Re: Vertical Yagi for HF ?

Yahoo group: ham-antennas (2008)
Date: 2008-10-21 17:49:32 UTC
From: ash_lee52
Topic: 6385 Message: 6389

A low vertical dipole doesn't need radials, so why would a low vertical yagi?

EZNEC predicts a low vertical yagi (like 5 feet off the ground for the lowest part) should work pretty well.

--- In ham-antennas@yahoogroups.com, "Lee" <ke4vyn@...> wrote:
>
> Ashton,
> The issues will be if you usE a yagi vertically, this is assuming its on a 50-100 foot tower and your just turning it
> on it axis then you will effectively have a vertical with no ground radials.
> Unless your tower has a wide field of copper wire runs.
>
> Yes, HF likes verticals and there is MUCH debate about what is better so we aint going there.
> Yet, with interference from the tower and lack of ground plane (radials) a yagi on it side is not
> going to give you what your looking for.
>
> A vertical need to be close to the ground, abet on top of it with a large radial ground plane to work,
> or it becomes a 'cloud warmer', good for 300-500 miles.
> A above ground vertical, what your thinking of need tunes redials to work or back to be a cloud warmer.
>
> Remember, as you get lower and lower in the 'AM DIAL', bigger and better antennas start to look like the AM stations
> you drive past in the country. Big and tall with a field FILLED with copper wire.
>
> Now of course if money is no problem, then there is a Japanese station that has a full size 80M beam you should
> look at. He shunt feeds the boom for 160M. Yes, it is huge!
>
> Hope this helps.
>
> 73,
> Lee
> KE4VYN
>
>
> ----- Original Message -----
> From: ash_lee52<mailto:ashton.lee@...>

> To: ham-antennas@yahoogroups.com<mailto:ham-antennas@yahoogroups.com>
> Sent: Tuesday, October 21, 2008 12:04 PM
> Subject: [ham-antennas] Vertical Yagi for HF ?
>
>
> Does anyone have experience using a HF Yagi in a vertical position,
> rather than as the traditional horizontal. I can't elevate a yagi much
> but modeling shows I'd get pretty decent angles of radiation using a
> low vertical orientation with a non conductive mast. I know vertical
> dipoles can work well... this seems to be a version of that with a bit
> more directional gain. A vertical dipole actually likes being close to
> the ground.
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

6390. next time I rent...this is what I want ;-}

Yahoo group: ham-antennas (2008)
Date: 2008-10-21 18:05:30 UTC
From: hochman_97
Topic: 6390 Message: 6390

A backyard, clear of all trees and two 100' high flagpoles conveniently positioned about 200' apart =) Like that will ever happen..but hey, I can dream.

6391. Re: [ham-antennas] next time I rent...this is what I want ;-}

Yahoo group: ham-antennas (2008)
Date: 2008-10-21 18:11:22 UTC
From: ktnjoepark@aol.com
Topic: 6390 Message: 6391

Better yet, a property with an antenna farm already planted.

Joe WB6AGR

In a message dated 10/21/2008 11:06:20 A.M. Pacific Daylight Time,
hochman_97@... writes:

A backyard, clear of all trees and two 100' high flagpoles conveniently
positioned about 200' apart =) Like that will ever happen..but hey, I
can dream.

**********New MapQuest Local shows what's happening at your destination.
Dining, Movies, Events, News & more. Try it out
(http://local.mapquest.com/?ncid=emlcntnew00000002)

[Non-text portions of this message have been removed]

6392. Re: next time I rent...this is what I want ;-}

Yahoo group: ham-antennas (2008)
Date: 2008-10-21 18:15:19 UTC
From: hochman_97
Topic: 6390 Message: 6392

Good point...that would even be better =)

--- In ham-antennas@yahoogroups.com, ktnjoepark@... wrote:
>
> Better yet, a property with an antenna farm already planted.
>
> Joe WB6AGR
>
>
> In a message dated 10/21/2008 11:06:20 A.M. Pacific Daylight Time,
> hochman_97@... writes:
>
>
>
>
> A backyard, clear of all trees and two 100' high flagpoles
conveniently
> positioned about 200' apart =) Like that will ever happen..but hey,
I
> can dream.
>
>
>
>
> **********New MapQuest Local shows what's happening at your
destination.
> Dining, Movies, Events, News & more. Try it out
> (http://local.mapquest.com/?ncid=emlcntnew00000002)
>
>
> [Non-text portions of this message have been removed]
>

6393. Re: next time I rent...this is what I want ;-}

Yahoo group: ham-antennas (2008)
Date: 2008-10-21 20:00:07 UTC
From: gadzooks.mike
Topic: 6390 Message: 6393

Now that wouldn't be any fun at all! I like to plant those little insulators and watch the coax spring forth, finally growing tall enough to flower into bouquets of 1/2 wavedipoles and 1/4 wave verticals, trimmed with abundant j-poles and yagis....

--- In ham-antennas@yahoogroups.com, "hochman_97" <hochman_97@...> wrote:
>
> Good point...that would even be better =)
>
> --- In ham-antennas@yahoogroups.com, ktnjoepark@ wrote:
> >
> > Better yet, a property with an antenna farm already planted.
> >
> > Joe WB6AGR

6394. Re: [ham-antennas] Re: Vertical Yagi for HF ?

Yahoo group: ham-antennas (2008)
Date: 2008-10-21 18:14:15 UTC
From: Lee
Topic: 6385 Message: 6394

A low (5') vertical dipole on HF will not give you any performance.

As far as a high (5') vertical you will not have much take off angle, in fact none.

They sell 'no radial verticals' all day long, but do you see any big contest stations using them?

Do your test and see for yourself, that is the only way you will be convinced.

You should realize though, EZNEC is theoretical and free space. So in practice your mileage may vary.

----- Original Message -----
From: ash_lee52<mailto:ashton.lee@...>
To: ham-antennas@yahoogroups.com<mailto:ham-antennas@yahoogroups.com>
Sent: Tuesday, October 21, 2008 12:49 PM
Subject: [ham-antennas] Re: Vertical Yagi for HF ?

A low vertical dipole doesn't need radials, so why would a low
vertical yagi?

EZNEC predicts a low vertical yagi (like 5 feet off the ground for
the lowest part) should work pretty well.

--- In ham-antennas@yahoogroups.com<mailto:ham-antennas@yahoogroups.com>, "Lee"
<ke4vyn@...> wrote:
>
> Ashton,
> The issues will be if you usE a yagi vertically, this is assuming
its on a 50-100 foot tower and your just turning it
> on it axis then you will effectively have a vertical with no ground
radials.
> Unless your tower has a wide field of copper wire runs.
>
> Yes, HF likes verticals and there is MUCH debate about what is
better so we aint going there.
> Yet, with interference from the tower and lack of ground plane
(radials) a yagi on it side is not
> going to give you what your looking for.
>
> A vertical need to be close to the ground, abet on top of it with a
large radial ground plane to work,
> or it becomes a 'cloud warmer', good for 300-500 miles.
> A above ground vertical, what your thinking of need tunes redials
to work or back to be a cloud warmer.
>
> Remember, as you get lower and lower in the 'AM DIAL', bigger and

better antennas start to look like the AM stations
> you drive past in the country. Big and tall with a field FILLED
with copper wire.
>
> Now of course if money is no problem, then there is a Japanese
station that has a full size 80M beam you should
> look at. He shunt feeds the boom for 160M. Yes, it is huge!
>
> Hope this helps.
>
> 73,
> Lee
> KE4VYN
>
>
> ----- Original Message -----
> From: ash_lee52<mailto:ashton.lee@...>
> To: ham-antennas@yahoogroups.com<mailto:ham-antennas%40yahoogroups.com><mailto:ham-
antennas@yahoogroups.com<mailto:antennas%40yahoogroups.com>>
> Sent: Tuesday, October 21, 2008 12:04 PM
> Subject: [ham-antennas] Vertical Yagi for HF ?
>
>
> Does anyone have experience using a HF Yagi in a vertical
position,
> rather than as the traditional horizontal. I can't elevate a yagi
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> but modeling shows I'd get pretty decent angles of radiation
using a
> low vertical orientation with a non conductive mast. I know
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a bit
> more directional gain. A vertical dipole actually likes being
close to
> the ground.
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

[Non-text portions of this message have been removed]

6395. Re: [ham-antennas] Re: Vertical Yagi for HF ?

Yahoo group: ham-antennas (2008)
Date: 2008-10-21 20:59:26 UTC
From: Kevin Morgan
Topic: 6385 Message: 6395

ash_lee52 wrote:

> A low vertical dipole doesn't need radials, so why would a low
> vertical yagi?
>
> EZNEC predicts a low vertical yagi (like 5 feet off the ground for
> the lowest part) should work pretty well.

Hi, I built a 2m vertical Yagi by converting an FM antenna. According to my modeling in EZNEC, I get pretty much the same radiation pattern vertical or horizontal, but with a little less gain in the vertical orientation.

Want to trade EZNEC files so we can compare them?

73, Kevin AB2ZI

--
Kevin J. Morgan AB2ZI <kmorgan6@...>

My Webshots Photos http://community.webshots.com/user/kmorgan631

[Non-text portions of this message have been removed]

6396. Re: Vertical Yagi for HF ?

Yahoo group: ham-antennas (2008)
Date: 2008-10-21 21:00:54 UTC
From: ash_lee52
Topic: 6385 Message: 6396

Actually a lot of DX and Contest stations use low vertical dipoles. Remember "Team Vertical"?

I have over 150 countries confirmed within the last 2 years primarily using various vertical dipoles.

People generally find that the Sigma antennas (Force 12) the TW-Antennas (see reviews for TW2010 in the portable antenna area of eham.com) and the Par End-Fedz all work very well as low vertical dipoles.

I did put a small Mosley yagi up vertically this afternoon... I'll test it in CQWW, but the first contact is from Western Colorado to the Azores. And it has a 1-2 s-unit advantage over a half square and 2 different Buckmaster OCFs (set at different angles becasue this antenna has lots of lobes) on receive.

--- In ham-antennas@yahoogroups.com, "Lee" <ke4vyn@...> wrote:
>
> A low (5') vertical dipole on HF will not give you any performance.
>
> As far as a high (5') vertical you will not have much take off angle, in fact none.
>
> They sell 'no radial verticals' all day long, but do you see any big contest stations using them?
>
> Do your test and see for yourself, that is the only way you will be convinced.
>
> You should realize though, EZNEC is theoretical and free space. So in practice your mileage may vary.
>
>
>
>
> ----- Original Message -----
> From: ash_lee52<mailto:ashton.lee@...>
> To: ham-antennas@yahoogroups.com<mailto:ham-antennas@yahoogroups.com>
> Sent: Tuesday, October 21, 2008 12:49 PM
> Subject: [ham-antennas] Re: Vertical Yagi for HF ?
>
>
> A low vertical dipole doesn't need radials, so why would a low
> vertical yagi?

>
> EZNEC predicts a low vertical yagi (like 5 feet off the ground
for
> the lowest part) should work pretty well.
>
> --- In ham-antennas@yahoogroups.com<mailto:ham-
antennas@yahoogroups.com>, "Lee" <ke4vyn@> wrote:
> >
> > Ashton,
> > The issues will be if you usE a yagi vertically, this is
assuming
> its on a 50-100 foot tower and your just turning it
> > on it axis then you will effectively have a vertical with no
ground
> radials.
> > Unless your tower has a wide field of copper wire runs.
> >
> > Yes, HF likes verticals and there is MUCH debate about what is
> better so we aint going there.
> > Yet, with interference from the tower and lack of ground plane
> (radials) a yagi on it side is not
> > going to give you what your looking for.
> >
> > A vertical need to be close to the ground, abet on top of it
with a
> large radial ground plane to work,
> > or it becomes a 'cloud warmer', good for 300-500 miles.
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> to work or back to be a cloud warmer.
> >
> > Remember, as you get lower and lower in the 'AM DIAL', bigger
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> better antennas start to look like the AM stations
> > you drive past in the country. Big and tall with a field FILLED
> with copper wire.
> >
> > Now of course if money is no problem, then there is a Japanese
> station that has a full size 80M beam you should
> > look at. He shunt feeds the boom for 160M. Yes, it is huge!
> >
> > Hope this helps.
> >
> > 73,
> > Lee
> > KE4VYN
> >
> >
> > ----- Original Message -----
> > From: ash_lee52<mailto:ashton.lee@>

> > To: ham-antennas@yahoogroups.com<mailto:ham-antennas%
40yahoogroups.com><mailto:ham-
> antennas@yahoogroups.com<mailto:antennas%40yahoogroups.com>>
> > Sent: Tuesday, October 21, 2008 12:04 PM
> > Subject: [ham-antennas] Vertical Yagi for HF ?
> >
> >
> > Does anyone have experience using a HF Yagi in a vertical
> position,
> > rather than as the traditional horizontal. I can't elevate a
yagi
> much
> > but modeling shows I'd get pretty decent angles of radiation
> using a
> > low vertical orientation with a non conductive mast. I know
> vertical
> > dipoles can work well... this seems to be a version of that
with
> a bit
> > more directional gain. A vertical dipole actually likes being
> close to
> > the ground.
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> > [Non-text portions of this message have been removed]
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> [Non-text portions of this message have been removed]
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6397. RE: [ham-antennas] Vertical Yagi for HF ?

Yahoo group: ham-antennas (2008)
Date: 2008-10-21 21:51:10 UTC
From: Joe Ivey
Topic: 6385 Message: 6397

Lee,

When you use a yagi antenna, one side IS the radial and the other is the driven side. When you use a vertical ground mounted the ground and/or radials becomes the other half of the antenna. As for contesting, DXing and DXpeditions there are a lot of verticals use. I have worked many DX countries on a Butternut HF-6 with 4 25 ft. radials. So they do work.

Joe, W4JSI

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Lee
Sent: Tuesday, October 21, 2008 12:39 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Vertical Yagi for HF ?

Ashton,
The issues will be if you usE a yagi vertically, this is assuming its on a 50-100 foot tower and your just turning it
on it axis then you will effectively have a vertical with no ground radials. Unless your tower has a wide field of copper wire runs.

Yes, HF likes verticals and there is MUCH debate about what is better so we aint going there.
Yet, with interference from the tower and lack of ground plane (radials) a yagi on it side is not
going to give you what your looking for.

A vertical need to be close to the ground, abet on top of it with a large radial ground plane to work,
or it becomes a 'cloud warmer', good for 300-500 miles.
A above ground vertical, what your thinking of need tunes redials to work or back to be a cloud warmer.

Remember, as you get lower and lower in the 'AM DIAL', bigger and better antennas start to look like the AM stations
you drive past in the country. Big and tall with a field FILLED with copper wire.

Now of course if money is no problem, then there is a Japanese station that has a full size 80M beam you should
look at. He shunt feeds the boom for 160M. Yes, it is huge!

Hope this helps.

73,
Lee

KE4VYN

----- Original Message -----
From: ash_lee52<mailto:ashton.lee@...
<mailto:ashton.lee%40sbcglobal.net> >
To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
<mailto:ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
>
Sent: Tuesday, October 21, 2008 12:04 PM
Subject: [ham-antennas] Vertical Yagi for HF ?

Does anyone have experience using a HF Yagi in a vertical position, rather than as the traditional horizontal. I can't elevate a yagi much but modeling shows I'd get pretty decent angles of radiation using a low vertical orientation with a non conductive mast. I know vertical dipoles can work well... this seems to be a version of that with a bit more directional gain. A vertical dipole actually likes being close to the ground.

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

6398. Re: [ham-antennas] Re: Vertical Yagi for HF ?

Yahoo group: ham-antennas (2008)
Date: 2008-10-21 22:25:12 UTC
From: Joe
Topic: 6385 Message: 6398

how wrong you are,

that have polarity just as much as any other transmitted signal, it's
just after passing through and off the ionosphere they can be any
polarity when coming back down.
Joe

Scott Laughlin wrote:

>I don't think HF frequencies are very much polarized.
>
>Scott
>
>--- In ham-antennas@yahoogroups.com, "ash_lee52" <ashton.lee@...> wrote:
>
>
>>Does anyone have experience using a HF Yagi in a vertical position,
>>rather than as the traditional horizontal. I can't elevate a yagi
>>
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>much
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>>but modeling shows I'd get pretty decent angles of radiation using a
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>bit
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>>more directional gain. A vertical dipole actually likes being close
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>to
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>
>>the ground.
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>HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 1446 members (as of 9/26/08, and attachments are NOT permitted.
>Post message: ham-antennas@yahoogroups.com
>Subscribe: ham-antennas-subscribe@yahoogroups.com
>Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
>List owner: ham-antennas-owner@yahoogroups.com
>Yahoo! Groups Links
>
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[Non-text portions of this message have been removed]

6399. balum

Yahoo group: ham-antennas (2008)
Date: 2008-10-22 00:33:25 UTC
From: phil
Topic: 6399 Message: 6399

hi .i have a buxcom ocf wire its 260 foot long and it has the 4;1 balum did i get the right balum .i was told that i should have got the 1;1 balum. i do run power at times 1000watts out . but i ame starting to have rf in the house its not bad.its more on the tv my xyl tells me that it dose not affect the sound of the tv just the pix.it shows 1/4 inch horiz lines ..she tells me on a scale of 1-5 (5 being the worst) it a 2.if that makes any sense to you.and no i notice that when my 2 meter fm is on and when i sping the big knob on my rig one certain freq it will stop my 2m rig from scaning and it sounds like its some one is keying up simplex.i use rg8 coax and i do have 4-8 foot ground 10 foot from the shack or i should say from the radio.. the shack is in the basement and the rods are just out side.. any ways is it something that i am doing wrong or could it by the balum . i have never had any problem with the wire befor .. thanks ..and 73 w1acc...phil

6400. RE: [ham-antennas] balum

Yahoo group: ham-antennas (2008)
Date: 2008-10-22 00:58:09 UTC
From: Joe Ivey
Topic: 6399 Message: 6400

Phil,

You have the right balun according to Buxcom. I tried on here with 100 watts and completely wiped out every tv in the house.

The antenna is know also by a windom and that is one thing bad about it, tvi. You may want to try some ferret beads on the coax at the balun.

Joe

W4JSI

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of phil
Sent: Tuesday, October 21, 2008 7:33 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] balum

hi .i have a buxcom ocf wire its 260 foot long and it has the 4;1 balum did i get the right balum .i was told that i should have got the 1;1 balum. i do run power at times 1000watts out . but i ame starting to have rf in the house its not bad.its more on the tv my xyl tells me that it dose not affect the sound of the tv just the pix.it shows 1/4 inch horiz lines ..she tells me on a scale of 1-5 (5 being the worst) it a 2.if that makes any sense to you.and no i notice that when my 2 meter fm is on and when i sping the big knob on my rig one certain freq it will stop my 2m rig from scaning and it sounds like its some one is keying up simplex.i use rg8 coax and i do have 4-8 foot ground 10 foot from the shack or i should say from the radio.. the shack is in the basement and the rods are just out side.. any ways is it something that i am doing wrong or could it by the balum . i have never had any problem with the wire befor .. thanks ..and 73 w1acc...phil

[Non-text portions of this message have been removed]

6401. how does dipole "height" work?

Yahoo group: ham-antennas (2008)
Date: 2008-10-22 01:02:23 UTC
From: hochman_97
Topic: 6401 Message: 6401

Suppose you have a dipole hung as an inverted V....what is
the "effective" height of the antenna when used to calculate the RF
radiation patterns?

6402. Re: [ham-antennas] balum

Yahoo group: ham-antennas (2008)
Date: 2008-10-22 03:22:06 UTC
From: kc2rgw@gmail.com
Topic: 6399 Message: 6402

How far is either end of that wire from your operating position? It wouldn't be the fault of an efficient antenna radiating a kilowatt to interfere with your house if it was anywhere close to it.
Sent from my BlackBerry® smartphone with SprintSpeed

6403. Re: [ham-antennas] balum

Yahoo group: ham-antennas (2008)
Date: 2008-10-22 11:20:30 UTC
From: vtex477@comcast.net
Topic: 6399 Message: 6403

the longest end is around 150 foot orso and the shorter end is 25-40..like i said the shack is in the basement now right above the shack is the tv and the balum is above that(out side) so the rig- tv and balum is all in line together .and i am in a small lot i cant move the balum the xyl wants the tv to stay put and if i move the shack i will haft to buy more coax and redo the hole thing .witch would be ok to move but it will be a hassel. but it can be done

---------- Original message ----------
From: kc2rgw@gmail.com

> How far is either end of that wire from your operating position? It wouldn't be
> the fault of an efficient antenna radiating a kilowatt to interfere with your
> house if it was anywhere close to it.
> Sent from my BlackBerry? smartphone with SprintSpeed
> ---
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to
> ALL 1446 members (as of 9/26/08, and attachments are NOT permitted.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
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> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>

[Non-text portions of this message have been removed]

6404. RE: [ham-antennas] balum

Yahoo group: ham-antennas (2008)
Date: 2008-10-22 11:23:38 UTC
From: vtex477@comcast.net
Topic: 6399 Message: 6404

i will try that ..thanks joe. we have 3 tvs one is in the shack ..but it only messes up just one .and its the one right above the shack and the xyl is telling me not to move the tv. :(.....phil

---------- Original message ----------
From: "Joe Ivey" <jivey0218@...>
Phil,

You have the right balun according to Buxcom. I tried on here with 100 watts and completely wiped out every tv in the house.

The antenna is know also by a windom and that is one thing bad about it, tvi. You may want to try some ferret beads on the coax at the balun.

Joe

W4JSI

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of phil
Sent: Tuesday, October 21, 2008 7:33 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] balum

hi .i have a buxcom ocf wire its 260 foot long and it has the 4;1 balum did i get the right balum .i was told that i should have got the 1;1 balum. i do run power at times 1000watts out . but i ame starting to have rf in the house its not bad.its more on the tv my xyl tells me that it dose not affect the sound of the tv just the pix.it shows 1/4 inch horiz lines ..she tells me on a scale of 1-5 (5 being the worst) it a 2.if that makes any sense to you.and no i notice that when my 2 meter fm is on and when i sping the big knob on my rig one certain freq it will stop my 2m rig from scaning and it sounds like its some one is keying up simplex.i use rg8 coax and i do have 4-8 foot ground 10 foot from the shack or i should say from the radio.. the shack is in the basement and the rods are just out side.. any ways is it something that i am doing wrong or could it by the balum . i have never had any problem with the wire befor .. thanks ..and 73 w1acc...phil

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

6405. Re: balum

Yahoo group: ham-antennas (2008)
Date: 2008-10-22 14:03:42 UTC
From: gadzooks.mike
Topic: 6399 Message: 6405

You need both a 4:1 and a 1:1. For the 1:1 you can use a toroid balun, beads over the coax, or an ugly balun. In any case, you need the 1:1 to get rid of the RF in the shack and the 4:1 to convert the impedance from 300-75 (or 200-50).

--- In ham-antennas@yahoogroups.com, "phil" <vtex477@...> wrote:
>
> hi .i have a buxcom ocf wire its 260 foot long and it has the 4;1 balum
> did i get the right balum .i was told that i should have got the 1;1
> balum. i do run power at times 1000watts out . but i ame starting to
> have rf in the house its not bad.its more on the tv my xyl tells me
> that it dose not affect the sound of the tv just the pix.it shows 1/4
> inch horiz lines ..she tells me on a scale of 1-5 (5 being the worst)
> it a 2.if that makes any sense to you.and no i notice that when my 2
> meter fm is on and when i sping the big knob on my rig one certain freq
> it will stop my 2m rig from scaning and it sounds like its some one is
> keying up simplex.i use rg8 coax and i do have 4-8 foot ground 10 foot
> from the shack or i should say from the radio.. the shack is in the
> basement and the rods are just out side.. any ways is it something that
> i am doing wrong or could it by the balum . i have never had any
> problem with the wire befor .. thanks ..and 73 w1acc...phil
>

6406. Re: balum

Yahoo group: ham-antennas (2008)
Date: 2008-10-22 14:31:03 UTC
From: Bill
Topic: 6399 Message: 6406

Hi Phil, as Mike mentioned you do need both. I made an OCF and although I didn't get any tvi that I noticed, I was setting off the CO monitor in the house when tx'ing 100w ssb. I opted for the "ugly balun", I coiled the last 10ft of the coax rope fashion and then connected to the 4:1 balun. I've read that the choke is better if you lay the wire side by side on a round form, but this worked for me, no further problems.

Bill
KC2SUO

--- In ham-antennas@yahoogroups.com, "phil" <vtex477@...> wrote:
>
> hi .i have a buxcom ocf wire its 260 foot long and it has the 4;1 balum
> did i get the right balum .i was told that i should have got the 1;1
> balum.

6407. Re: Vertical Yagi for HF ?

Yahoo group: ham-antennas (2008)
Date: 2008-10-22 16:17:35 UTC
From: Paul
Topic: 6385 Message: 6407

Antenna polarization is just as important on HF as on VHF/UHF.

Most of the QSB experienced on HF is caused by the "Faraday Rotation" where the polarization of the signal is rotated when it passes through the ionosphere. As the amount of rotation changes, the signal lever rises and falls.

Paul

--- In ham-antennas@yahoogroups.com, "Scott Laughlin" <n7net@...> wrote:
>
> I don't think HF frequencies are very much polarized.
>
> Scott
>
> --- In ham-antennas@yahoogroups.com, "ash_lee52" <ashton.lee@> wrote:
> >
> > Does anyone have experience using a HF Yagi in a vertical position,
> > rather than as the traditional horizontal. I can't elevate a yagi
> much
> > but modeling shows I'd get pretty decent angles of radiation using a
> > low vertical orientation with a non conductive mast. I know vertical
> > dipoles can work well... this seems to be a version of that with a
> bit
> > more directional gain. A vertical dipole actually likes being close
> to
> > the ground.
> >
>

6408. Re: Vertical Yagi for HF ?

Yahoo group: ham-antennas (2008)
Date: 2008-10-22 16:33:26 UTC
From: Scott Laughlin
Topic: 6385 Message: 6408

Paul,

I think you're wrong. That's why hf flat top dipoles and verticals
are interchangable. Try horizontal polarization with a vhf and watch
the signals disappear.

72 de Scott/n7net/qrp

--- In ham-antennas@yahoogroups.com, "Paul" <paul_c_g@...> wrote:
>
> Antenna polarization is just as important on HF as on VHF/UHF.
>
> Most of the QSB experienced on HF is caused by the "Faraday
Rotation"
> where the polarization of the signal is rotated when it passes
> through the ionosphere. As the amount of rotation changes, the
signal
> lever rises and falls.
>
> Paul
>

6409. Re: Vertical Yagi for HF ?

Yahoo group: ham-antennas (2008)
Date: 2008-10-22 17:07:51 UTC
From: ash_lee52
Topic: 6385 Message: 6409

While it doesn't prove anything, my little experiment with a Mosley Mini 32 on its side (vertically oriented) with the lower elements about 3 feet off the ground has gotten me to the Azores and Japan on my first two attempts at DX... and this is from the bottom af a fairly steep mountain valley in Western Colorado.

Of importance, I am using a mast of fibreglass sections since I think a conductive mast would be an issue. I know I should lead the feedline away from the plane of the antenna, but I haven't yet been doing this.

The benefits of this set up are I believe the antenna will provide a low angle takeoff without needing to be on a high tower, and there is much less twisting moment in the wind etc so a very small unguyed mast seems adequate. Finally its a lot less visible, which is the primary motivation.

I know people successfully use vertical moxons... this is really just a derivation of that concept.

--- In ham-antennas@yahoogroups.com, "ash_lee52" <ashton.lee@...> wrote:
>
> Does anyone have experience using a HF Yagi in a vertical position,
> rather than as the traditional horizontal. I can't elevate a yagi
much
> but modeling shows I'd get pretty decent angles of radiation using a
> low vertical orientation with a non conductive mast. I know vertical
> dipoles can work well... this seems to be a version of that with a
bit
> more directional gain. A vertical dipole actually likes being close
to
> the ground.
>

6410. Re: [ham-antennas] balum

Yahoo group: ham-antennas (2008)
Date: 2008-10-22 17:37:35 UTC
From: kc2rgw@gmail.com
Topic: 6399 Message: 6410

My OCF is 20 or so from my shack on one end too and above 40m I have RF issues. It's not my antenna, cabling, or feedpoint, it is the RF my antenna is radiating.

Save yourself a lot of trouble and simply re-orient the antenna.

Mine is where it is because it was a quickie repair job. When it was oriented parallel and much (>50 feet) farther away, no issues.

You are getting suggestions that will waste your time and money as they are fixes for things much less likely to be your problem.

A carolina windom shouldn't need another balun at all unless something else is wrong.
Sent from my BlackBerry® smartphone with SprintSpeed

-----Original Message-----
From: vtex477@comcast.net

Date: Wed, 22 Oct 2008 11:20:30
To: <ham-antennas@yahoogroups.com>
Subject: Re: [ham-antennas] balum

the longest end is around 150 foot orso and the shorter end is 25-40..like i said the shack is in the basement now right above the shack is the tv and the balum is above that(out side) so the rig- tv and balum is all in line together .and i am in a small lot i cant move the balum the xyl wants the tv to stay put and if i move the shack i will haft to buy more coax and redo the hole thing .witch would be ok to move but it will be a hassel. but it can be done
---------- Original message ----------
From: kc2rgw@gmail.com

> How far is either end of that wire from your operating position? It wouldn't be
> the fault of an efficient antenna radiating a kilowatt to interfere with your
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> Yahoo! Groups Links
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[Non-text portions of this message have been removed]

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List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

6411. Re: Vertical Yagi for HF ?

Yahoo group: ham-antennas (2008)
Date: 2008-10-22 18:04:16 UTC
From: Scott Laughlin
Topic: 6385 Message: 6411

I think success while one person is making contacts while other folks watch and wonder is the location. For lack of something better I've wondered about "Hot Spots," better soil.

I've done some portable qrp and in spite of hanging the antenna in the same situation the results were always different with each location.

A late friend, kc7hcw (sk), used a homebrew 19 inch vertical for vhf when we were both technicians. He made contacts on simplex I could only dream about.

72 de Scott/n7net/qrp

--- In ham-antennas@yahoogroups.com, "ash_lee52" <ashton.lee@...> wrote:
>
> While it doesn't prove anything, my little experiment with a Mosley
> Mini 32 on its side (vertically oriented) with the lower elements about
> 3 feet off the ground has gotten me to the Azores and Japan on my first
> two attempts at DX... and this is from the bottom af a fairly steep
> mountain valley in Western Colorado.
>
> Of importance, I am using a mast of fibreglass sections since I think a
> conductive mast would be an issue. I know I should lead the feedline
> away from the plane of the antenna, but I haven't yet been doing this.
>
> The benefits of this set up are I believe the antenna will provide a
> low angle takeoff without needing to be on a high tower, and there is
> much less twisting moment in the wind etc so a very small unguyed mast
> seems adequate. Finally its a lot less visible, which is the primary
> motivation.
>
> I know people successfully use vertical moxons... this is really just a
> derivation of that concept.
>

> --- In ham-antennas@yahoogroups.com, "ash_lee52" <ashton.lee@>
wrote:
> >
> > Does anyone have experience using a HF Yagi in a vertical
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> > more directional gain. A vertical dipole actually likes being
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> > the ground.
> >
>

6412. looking for good links on T2FD dipoles

Yahoo group: ham-antennas (2008)
Date: 2008-10-22 18:14:02 UTC
From: hochman_97
Topic: 6412 Message: 6412

I'm looking for good links on "tilted terminated folded dipoles"....it looks like this might be my first home-brew project =) Does anyone have any experience with them? Do they perform in real applications as well as some online docs suggest?

6413. RE: [ham-antennas] Re: Vertical Yogi for HF ?

Yahoo group: ham-antennas (2008)
Date: 2008-10-22 18:41:24 UTC
From: Joe Ivey
Topic: 6385 Message: 6413

Scott,

There are several thing that come into play here.

1. Most VHF/UHF FM is vertical.

2. The terrain comes into play. Usually line of sight + 10%

3. Amount of power of the transmitting.

4. The height of both antennas.

5. A lot of mobile communications are done mobile. Vertical antennas are easier to mount that horizontal one.

For VHF/UHF DX most use horizontal. In this case they are getting signals bounced from the E layer. Then the signals act much like HF bounced off the F layers. The E layer come in around June and last until around August. (Here in North America)

Joe

W4JSI

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Scott Laughlin
Sent: Wednesday, October 22, 2008 1:04 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: Vertical Yagi for HF ?

I think success while one person is making contacts while other folks watch and wonder is the location. For lack of something better I've wondered about "Hot Spots," better soil.

I've done some portable qrp and in spite of hanging the antenna in the same situation the results were always different with each location.

A late friend, kc7hcw (sk), used a homebrew 19 inch vertical for vhf when we were both technicians. He made contacts on simplex I could only dream about.

72 de Scott/n7net/qrp

--- In ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
, "ash_lee52" <ashton.lee@...>
wrote:
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> While it doesn't prove anything, my little experiment with a Mosley

> Mini 32 on its side (vertically oriented) with the lower elements
about
> 3 feet off the ground has gotten me to the Azores and Japan on my
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> Of importance, I am using a mast of fibreglass sections since I
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> conductive mast would be an issue. I know I should lead the
feedline
> away from the plane of the antenna, but I haven't yet been doing
this.
>
> The benefits of this set up are I believe the antenna will provide
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> low angle takeoff without needing to be on a high tower, and there
is
> much less twisting moment in the wind etc so a very small unguyed
mast
> seems adequate. Finally its a lot less visible, which is the
primary
> motivation.
>
> I know people successfully use vertical moxons... this is really
just a
> derivation of that concept.
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> --- In ham-antennas@yahoogroups.com
<mailto:ham-antennas%40yahoogroups.com> , "ash_lee52" <ashton.lee@>
wrote:
> >
> > Does anyone have experience using a HF Yagi in a vertical
position,
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using a
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vertical
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a
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> > more directional gain. A vertical dipole actually likes being
close
> to
> > the ground.
> >
>

[Non-text portions of this message have been removed]

6414. Re: Vertical Yogi for HF ?

Yahoo group: ham-antennas (2008)
Date: 2008-10-22 18:54:10 UTC
From: Scott Laughlin
Topic: 6385 Message: 6414

Okay

--- In ham-antennas@yahoogroups.com, "Joe Ivey" <jivey0218@...> wrote:
>
> Scott,
>
>
>
> There are several thing that come into play here.
>
> 1. Most VHF/UHF FM is vertical.
>
> 2. The terrain comes into play. Usually line of sight + 10%
>
> 3. Amount of power of the transmitting.
>
> 4. The height of both antennas.
>
> 5. A lot of mobile communications are done mobile. Vertical
antennas are
> easier to mount that horizontal one.
>
>
>
> For VHF/UHF DX most use horizontal. In this case they are getting
signals
> bounced from the E layer. Then the signals act much like HF bounced
off the
> F layers. The E layer come in around June and last until around
August.
> (Here in North America)
>
>
>
> Joe
>
> W4JSI

6415. Re: looking for good links on T2FD dipoles

Yahoo group: ham-antennas (2008)
Date: 2008-10-22 19:24:02 UTC
From: gadzooks.mike
Topic: 6412 Message: 6415

I built and used one several years ago, but only as a listening antenna - I wasn't yet licensed. It did a GREAT job. I understand, however, that they aren't very good at transmitting, but I have no experience with that.

--- In ham-antennas@yahoogroups.com, "hochman_97" <hochman_97@...> wrote:
>
> I'm looking for good links on "tilted terminated folded dipoles"....it
> looks like this might be my first home-brew project =) Does anyone
> have any experience with them? Do they perform in real applications as
> well as some online docs suggest?
>

6416. Re: balum

Yahoo group: ham-antennas (2008)
Date: 2008-10-22 19:29:03 UTC
From: gadzooks.mike
Topic: 6399 Message: 6416

I ran into this a few days ago - clever idea. Wonder how well it
works?
http://www.balundesigns.com/servlet/the-75/OCF-balun-4-cln-1/Detail

--- In ham-antennas@yahoogroups.com, "Bill" <wild_bill_yonder@...>
wrote:
>
> Hi Phil, as Mike mentioned you do need both. I made an OCF and
although
> I didn't get any tvi that I noticed, I was setting off the CO
monitor
> in the house when tx'ing 100w ssb. I opted for the "ugly balun", I
> coiled the last 10ft of the coax rope fashion and then connected to
the
> 4:1 balun. I've read that the choke is better if you lay the wire
side
> by side on a round form, but this worked for me, no further
problems.
>
> Bill
> KC2SUO
>
> --- In ham-antennas@yahoogroups.com, "phil" <vtex477@> wrote:
> >
> > hi .i have a buxcom ocf wire its 260 foot long and it has the 4;1
> balum
> > did i get the right balum .i was told that i should have got the
1;1
> > balum.
>

6417. Re: balum

Yahoo group: ham-antennas (2008)
Date: 2008-10-22 19:33:03 UTC
From: Bill
Topic: 6399 Message: 6417

With all due respect, and I know each configuration has its own characteristics, but I think coiling up some coax into an ugly balun is easier to try than finding a new instalation for the antenna. My shack is on the second floor, about 15ft below and 10ft east of the feedpoint. If what I experienced was rf from the antenna, I doubt it would have disappeared by adding the choke, which I did at the suggestion of some experienced hams. If I understand it right, this type of antenna is prone to feedline radiation. The "Carolina Windom" version actually uses a portion of the coax shield for radiation, with a choke installed about 22ft down from the feedpoint, IIRC. I mean no disrespect, I just think that an ugly balun would be an easy thing to try before moving the antenna.

Bill KC2SUO

--- In ham-antennas@yahoogroups.com, kc2rgw@... wrote:
>
> My OCF is 20 or so from my shack on one end too and above 40m I have RF issues. It's not my antenna, cabling, or feedpoint, it is the RF my antenna is radiating.
>
> Save yourself a lot of trouble and simply re-orient the antenna.
>
> Mine is where it is because it was a quickie repair job. When it was oriented parallel and much (>50 feet) farther away, no issues.
>
> You are getting suggestions that will waste your time and money as they are fixes for things much less likely to be your problem.
>
> A carolina windom shouldn't need another balun at all unless something else is wrong.
> Sent from my BlackBerry® smartphone with SprintSpeed
>
> -----Original Message-----
> From: vtex477@...
>
> Date: Wed, 22 Oct 2008 11:20:30
> To: <ham-antennas@yahoogroups.com>
> Subject: Re: [ham-antennas] balum
>
>
> the longest end is around 150 foot orso and the shorter end is 25-40..like i said the shack is in the basement now right above the shack is the tv and the balum is above that(out side) so the rig- tv and balum is all in line together .and i am in a small lot i cant

move the balum the xyl wants the tv to stay put and if i move the shack i will haft to buy more coax and redo the hole thing .witch would be ok to move but it will be a hassel. but it can be done

> ---------- Original message ----------

6418. Re: [ham-antennas] looking for good links on T2FD dipoles

Yahoo group: ham-antennas (2008)
Date: 2008-10-22 19:45:39 UTC
From: Andy
Topic: 6412 Message: 6418

T2FDs are one subject about which you will hear a lot of conflicting information. Some like them; others say they are as bad as dummy loads.

Not that it is necessarily meaningful, but I will note that the FEMA seems to like them; I'm pretty sure they use them even at their fixed locations where they could put up something "better" (though they often have large collections of antennas in addition to the T2FDs). They have the advantage of not requiring matching to get reasonable performance (i.e., SWR of 2:1 or maybe 3:1 or better) over a very wide range of non-harmonically related frequencies. I *think* that the signal loss when transmitting may not be as great as some would lead you to believe; except perhaps at the bottom octave or so where losses do increase significantly.

Mr. L. B. Cebik (www.cebik.com) has a page about T2FDs, which is some of the only analytical data I recall seeing about them on the web. I don't remember it being very complete, though.

Radio amateurs have the advantage of HF frequency bands that are harmonically related, making it easier to construct multi-band antennas without the losses of T2FDs or other antennas with resistive loads in them.

Andy

6419. Re: [ham-antennas] looking for good links on T2FD dipoles

Yahoo group: ham-antennas (2008)
Date: 2008-10-22 20:16:08 UTC
From: W5CPT
Topic: 6412 Message: 6419

We used the T2FD in the military very often. The good news is that they are flat across a very wide bandwidth. The bad news is that they are air-cooled dummy loads. At ONE frequency only the antenna is balanced and the Resistor (yes resistor - that is why they call them Terminated) absorbs very little energy and on all other frequencies it dissipates MOST of the energy you put into it. I never thought I would say this but you would be far better off with a Fan Dipole.

Clint - W5CPT

----- Original Message -----
From: hochman_97
To: ham-antennas@yahoogroups.com
Sent: Wednesday, October 22, 2008 1:14 PM
Subject: [ham-antennas] looking for good links on T2FD dipoles

I'm looking for good links on "tilted terminated folded dipoles"....it looks like this might be my first home-brew project =) Does anyone have any experience with them? Do they perform in real applications as well as some online docs suggest?

[Non-text portions of this message have been removed]

6420. Re: looking for good links on T2FD dipoles

Yahoo group: ham-antennas (2008)
Date: 2008-10-22 20:25:04 UTC
From: hochman_97
Topic: 6412 Message: 6420

Hmm, that doesn't sound too promising. However, can't the resistor be tuned based on the freq/band you want to operate on? I would imagine it wouldn't be too difficult to arrange a setup where the resistor could be in a socket and quickly swapped out for another. Maybe not...just kinda thinking aloud on this one.

Thanks.
-Jeff.

--- In ham-antennas@yahoogroups.com, "W5CPT" <w5cpt@...> wrote:
>
> We used the T2FD in the military very often. The good news is that they are flat across a very wide bandwidth. The bad news is that they are air-cooled dummy loads. At ONE frequency only the antenna is balanced and the Resistor (yes resistor - that is why they call them Terminated) absorbs very little energy and on all other frequencies it dissipates MOST of the energy you put into it. I never thought I would say this but you would be far better off with a Fan Dipole.
>
> Clint - W5CPT
>
>
>
> ----- Original Message -----
> From: hochman_97
> To: ham-antennas@yahoogroups.com
> Sent: Wednesday, October 22, 2008 1:14 PM
> Subject: [ham-antennas] looking for good links on T2FD dipoles
>
>
> I'm looking for good links on "tilted terminated folded dipoles"....it
> looks like this might be my first home-brew project =) Does anyone
> have any experience with them? Do they perform in real applications as
> well as some online docs suggest?
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

6421. I thought I had a crazy idea, but judging from the internet it looks like it's

Yahoo group: ham-antennas (2008)
Date: 2008-10-22 20:28:41 UTC
From: hochman_97
Topic: 6421 Message: 6421

been done. I was just walking around at lunchtime wondering if anyone has every used helium balloons (or something similar) to temporarily lift up a dipole for better performance. I thought it was probably a crazy/impractical idea, but my quick search of the internet seems to have picked up some similar sorts of references (i.e. for instance, one case where a repeater was carried aloft with such an arrangement). Not that I recommend trying it, but I'd be interested in finding out if anyone knows of any cases were this was attempted.

6422. Re: [ham-antennas] Re: looking for good links on T2FD dipoles

Yahoo group: ham-antennas (2008)
Date: 2008-10-22 20:33:39 UTC
From: W5CPT
Topic: 6412 Message: 6422

Nope - It is the antenna which operates on one frequency better than others. The resistor provides the constant load when the antenna is not resonant***.

***Disclaimer - The antenna is never really resonant - The length of the elements dictate on which frequencies the antenna is most efficient - I say "frequencies" because you can get two or more if they are multiples of each other such as 40M & 15M.

Clint - W5CPT

----- Original Message -----
From: hochman_97
To: ham-antennas@yahoogroups.com
Sent: Wednesday, October 22, 2008 3:25 PM
Subject: [ham-antennas] Re: looking for good links on T2FD dipoles

Hmm, that doesn't sound too promising. However, can't the resistor be tuned based on the freq/band you want to operate on? I would imagine it wouldn't be too difficult to arrange a setup where the resistor could be in a socket and quickly swapped out for another. Maybe not...just kinda thinking aloud on this one.

Thanks.
-Jeff.

--- In ham-antennas@yahoogroups.com, "W5CPT" <w5cpt@...> wrote:
>
> We used the T2FD in the military very often. The good news is that they are flat across a very wide bandwidth. The bad news is that they are air-cooled dummy loads. At ONE frequency only the antenna is balanced and the Resistor (yes resistor - that is why they call them Terminated) absorbs very little energy and on all other frequencies it dissipates MOST of the energy you put into it. I never thought I would say this but you would be far better off with a Fan Dipole.
>
> Clint - W5CPT
>
>
>
> ----- Original Message -----
> From: hochman_97
> To: ham-antennas@yahoogroups.com
> Sent: Wednesday, October 22, 2008 1:14 PM
> Subject: [ham-antennas] looking for good links on T2FD dipoles
>
>
> I'm looking for good links on "tilted terminated folded

dipoles"....it
> looks like this might be my first home-brew project =) Does
anyone
> have any experience with them? Do they perform in real
applications as
> well as some online docs suggest?
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

[Non-text portions of this message have been removed]

6423. Re: [ham-antennas] I thought I had a crazy idea, but judging from the internet it looks like it's

Yahoo group: ham-antennas (2008)
Date: 2008-10-22 20:48:44 UTC
From: Andy
Topic: 6421 Message: 6423

I'm sure it's been done, going back at least as far as WWII, and probably a lot earlier.

There's a bunch of ham radio operators who use kite-lifted HF antennas. One of them who does this periodically is Dave Hatch N9ZRT, moderator of the Live-Wire Yahoogroup (http://groups.yahoo.com/group/Live-Wire/).

Andy

6424. Re: [ham-antennas] looking for good links on T2FD dipoles

Yahoo group: ham-antennas (2008)
Date: 2008-10-22 21:04:29 UTC
From: BILL
Topic: 6412 Message: 6424

I'm looking for good links on "tilted terminated folded dipoles"....it looks like this might be my first home-brew project =) Does anyone have any experience with them? Do they perform in real applications as well as some online docs suggest?
- -

hochman_97

By all accounts, T2FDs are extremely good for receiving, but not so good for transmitted signal.

A full size T2FD is around 100 ' + , and as I understand it, are the best performers.

Angle of tilt is apparently critical, otherwise it's just another bit of wire in the air - not a T2FD.

If I remember correctly, no less than 40 degrees is about right.

Google T2FD for more info

(now putting on flack jacket, 'cos I expect to get shot down // flamed by the pros and cons alike !)

(HI HI)

" ALWAYS LOOK FOR THE PLAW IN THE FLAN "

BILL

GM6RGY

[Non-text portions of this message have been removed]

6425. Re: [ham-antennas] looking for good links on T2FD dipoles

Yahoo group: ham-antennas (2008)
Date: 2008-10-22 21:16:18 UTC
From: BILL
Topic: 6412 Message: 6425

We used the T2FD in the military very often. The good news is that they are flat across a very wide bandwidth. The bad news is that they are air-cooled dummy loads. At ONE frequency only the antenna is balanced and the Resistor (yes resistor - that is why they call them Terminated) absorbs very little energy and on all other frequencies it dissipates MOST of the energy you put into it. I never thought I would say this but you would be far better off with a Fan Dipole.
Clint - W5CPT

Clint

I always wondered if anyone had tried switching the terminating resistor out for tx, and back in for rx.
Because it does reduce the noise on rx, and must (surely) dissipate power on tx.
If so did it make a difference ?
Just curious.
ps
Agree about fan dipole being better, although I take it you're not to fond of them.
Why ?

" ALWAYS LOOK FOR THE PLAW IN THE FLAN "

BILL

GM6RGY

[Non-text portions of this message have been removed]

6426. Re: [ham-antennas] looking for good links on T2FD dipoles

Yahoo group: ham-antennas (2008)
Date: 2008-10-22 21:28:54 UTC
From: W5CPT
Topic: 6412 Message: 6426

We never switched the resistor in or out. It was a "fixed - take it out of the canvas bag and put it up antenna" - They do work but not as well as a resonant dipole at the same height. The dipole however is a "one frequency" antenna and not what the plans called for.

As far as Fan Dipoles go they also work fine but I have always had a heck of time tuning one. If I get it to work on one band the others go to he#&. I like separate antennas for separate bands but not many have the real estate that I do to hang them far enough to not effect one an other. My preference for Multi-Band Dipoles is a trapped item. You lose some in the traps but not much if it is a good trap. I have a 160/80/40M hung from my tower (not really high enough) that does well close in (NVIS) but stinks for DX..

Clint - W5CPT

----- Original Message -----
From: BILL
To: ham-antennas@yahoogroups.com
Sent: Wednesday, October 22, 2008 4:16 PM
Subject: Re: [ham-antennas] looking for good links on T2FD dipoles

We used the T2FD in the military very often. The good news is that they are flat across a very wide bandwidth. The bad news is that they are air-cooled dummy loads. At ONE frequency only the antenna is balanced and the Resistor (yes resistor - that is why they call them Terminated) absorbs very little energy and on all other frequencies it dissipates MOST of the energy you put into it. I never thought I would say this but you would be far better off with a Fan Dipole.
Clint - W5CPT

Clint

I always wondered if anyone had tried switching the terminating resistor out for tx,
and back in for rx.
Because it does reduce the noise on rx, and must (surely) dissipate power on tx.
If so did it make a difference ?
Just curious.
ps
Agree about fan dipole being better, although I take it you're not to fond of them.
Why ?

" ALWAYS LOOK FOR THE PLAW IN THE FLAN "

BILL

GM6RGY

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

6427. Re: [ham-antennas] Re: Vertical Yagi for HF ?

Yahoo group: ham-antennas (2008)
Date: 2008-10-22 22:15:52 UTC
From: Joe
Topic: 6385 Message: 6427

He's Got It PERFECT!

Paul wrote:

>Antenna polarization is just as important on HF as on VHF/UHF.
>
>Most of the QSB experienced on HF is caused by the "Faraday Rotation"
>where the polarization of the signal is rotated when it passes
>through the ionosphere. As the amount of rotation changes, the signal
>lever rises and falls.
>
>Paul
>
>--- In ham-antennas@yahoogroups.com, "Scott Laughlin" <n7net@...>
>wrote:
>
>
>>I don't think HF frequencies are very much polarized.
>>
>>Scott
>>
>>--- In ham-antennas@yahoogroups.com, "ash_lee52" <ashton.lee@>
>>
>>
>wrote:
>
>
>>>Does anyone have experience using a HF Yagi in a vertical
>>>
>>>
>position,
>
>
>>>rather than as the traditional horizontal. I can't elevate a yagi
>>>
>>>
>>much
>>
>>
>>>but modeling shows I'd get pretty decent angles of radiation
>>>
>>>
>using a
>
>

>>>low vertical orientation with a non conductive mast. I know
>>>
>>>
>vertical
>
>
>>>dipoles can work well... this seems to be a version of that with
>>>
>>>
>a
>
>
>>bit
>>
>>
>>>more directional gain. A vertical dipole actually likes being
>>>
>>>
>close
>
>
>>to
>>
>>
>>>the ground.
>>>
>>>
>>>
>
>
>
>----------
>
>HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 1446 members (as of 9/26/08, and attachments are NOT permitted.
>Post message: ham-antennas@yahoogroups.com
>Subscribe: ham-antennas-subscribe@yahoogroups.com
>Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
>List owner: ham-antennas-owner@yahoogroups.com
>Yahoo! Groups Links
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>

[Non-text portions of this message have been removed]

6428. Re: [ham-antennas] Re: Vertical Yagi for HF ?

Yahoo group: ham-antennas (2008)
Date: 2008-10-22 22:16:37 UTC
From: Joe
Topic: 6385 Message: 6428

duh,,

Scott Laughlin wrote:

>Paul,
>
>I think you're wrong. That's why hf flat top dipoles and verticals
>are interchangable. Try horizontal polarization with a vhf and watch
>the signals disappear.
>
>72 de Scott/n7net/qrp
>
>--- In ham-antennas@yahoogroups.com, "Paul" <paul_c_g@...> wrote:
>
>
>>Antenna polarization is just as important on HF as on VHF/UHF.
>>
>>Most of the QSB experienced on HF is caused by the "Faraday
>>
>>
>Rotation"
>
>
>>where the polarization of the signal is rotated when it passes
>>through the ionosphere. As the amount of rotation changes, the
>>
>>
>signal
>
>
>>lever rises and falls.
>>
>>Paul
>>
>>
>>
>
>
>
>----------
>
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>

[Non-text portions of this message have been removed]

6429. Re: [ham-antennas] I T2FD

Yahoo group: ham-antennas (2008)
Date: 2008-10-22 22:28:02 UTC
From: BILL
Topic: 6429 Message: 6429

We never switched the resistor in or out. It was a "fixed - take it out of the canvas bag and put it up antenna" - They do work but not as well as a resonant dipole at the same height. The dipole however is a "one frequency" antenna and not what the plans called for. As far as Fan Dipoles go they also work fine but I have always had a heck of time tuning one. If I get it to work on one band the others go to he#&. I like separate antennas for separate bands but not many have the real estate that I do to hang them far enough to not effect one an other. My preference for Multi-Band Dipoles is a trapped item. You lose some in the traps but not much if it is a good trap. I have a 160/80/40M hung from my tower (not really high enough) that does well close in (NVIS) but stinks for DX..
Clint - W5CPT

Many tnx for quick reply, CLINT, maybe someday I'll try it and see, although fitting a full size

T2FD into my garden would be - interesting - to say the least. I call my full size 80m dipole

a ' double z ' because it winds back and forward, over the garden, so much, and my

inverted L goes round three sides of my drying green, but gives me 160m to 6m using

the internal tuner on ft 920. It's a Practical Wireless design from a few years back.

(Feb 2004, and Jan 2005) REAL ESTATE - I wish !

The reason I asked abt the fan dipole is that I have a 40m, 20m, 15m, and 10m multiband,

single feed, fan dipole in the attic, (again, they're wound round to fit in) and it works very well,

despite the proximity of cold water tanks, 2m, 4m and 70 cms aerials etc.

Maybe just lucky, I guess.

Although I did have one guy, from the local radio club, standing out in the garden

shaking his head and saying "That shouldn't work ! " Part of the fun, I suppose.

Anyway, tnx for the info.

" ALWAYS LOOK FOR THE PLAW IN THE FLAN "

BILL

GM6RGY

[Non-text portions of this message have been removed]

6430. Re: [ham-antennas] Re: Vertical Yagi for HF ?

Yahoo group: ham-antennas (2008)
Date: 2008-10-22 22:32:18 UTC
From: Leonard K. Pennock
Topic: 6385 Message: 6430

Actually Paul and Scott are both correct.

In line of sight communication Polarization of the transmit and receive antenna need to match as there is nothing causing polarization shift. If you cross polarize you should in theory have infinite loss; however, in reality you only see about 28db. Since most VHF/UHF communication is line of sight you will run into this cross polarization issue and the signal will drop as Scott stated.

Now when you bounce off the ionosphere there is a polarization rotation as Paul stated and it varies with time. This is why sometimes a horizontal antenna is better at times and a Vertical is better at times for receiving the same signal. (Note this is assuming a dipole for the horizontal which has as much or more gain at the desired take off angle and direction as the vertical but that is subject for another discussion).

If you work local line of sight HF you will get the same polarization issues that you get with VHF/UHF.

Scott Laughlin wrote:
> Paul,
>
> I think you're wrong. That's why hf flat top dipoles and verticals
> are interchangable. Try horizontal polarization with a vhf and watch
> the signals disappear.
>
> 72 de Scott/n7net/qrp
>
> --- In ham-antennas@yahoogroups.com, "Paul" <paul_c_g@...> wrote:
>> Antenna polarization is just as important on HF as on VHF/UHF.
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> Rotation"
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>> through the ionosphere. As the amount of rotation changes, the
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>> Paul
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>
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> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
--
Leonard K. Pennock
AD7AS

Those who walk bravely through life, unafraid of loss or failure,
find that they very rarely lose or fail.

6431. Re: [ham-antennas] Re: balum

Yahoo group: ham-antennas (2008)
Date: 2008-10-22 23:27:31 UTC
From: vtex477@comcast.net
Topic: 6399 Message: 6431

copy that bill i have a ugly one all ready to go .73 phil
---------- Original message ----------
From: "Bill" <wild_bill_yonder@...>
With all due respect, and I know each configuration has its own characteristics, but I think coiling up some coax into an ugly balun is easier to try than finding a new instalation for the antenna. My shack is on the second floor, about 15ft below and 10ft east of the feedpoint. If what I experienced was rf from the antenna, I doubt it would have disappeared by adding the choke, which I did at the suggestion of some experienced hams. If I understand it right, this type of antenna is prone to feedline radiation. The "Carolina Windom" version actually uses a portion of the coax shield for radiation, with a choke installed about 22ft down from the feedpoint, IIRC. I mean no disrespect, I just think that an ugly balun would be an easy thing to try before moving the antenna.

Bill KC2SUO

--- In ham-antennas@yahoogroups.com, kc2rgw@... wrote:
>
> My OCF is 20 or so from my shack on one end too and above 40m I have RF issues. It's not my antenna, cabling, or feedpoint, it is the RF my antenna is radiating.
>
> Save yourself a lot of trouble and simply re-orient the antenna.
>
> Mine is where it is because it was a quickie repair job. When it was oriented parallel and much (>50 feet) farther away, no issues.
>
> You are getting suggestions that will waste your time and money as they are fixes for things much less likely to be your problem.
>
> A carolina windom shouldn't need another balun at all unless something else is wrong.
> Sent from my BlackBerry? smartphone with SprintSpeed
>
> -----Original Message-----
> From: vtex477@...
>
> Date: Wed, 22 Oct 2008 11:20:30
> To: <ham-antennas@yahoogroups.com>
> Subject: Re: [ham-antennas] balum
>
>
> the longest end is around 150 foot orso and the shorter end is 25-

40..like i said the shack is in the basement now right above the shack is the tv and the balum is above that(out side) so the rig- tv and balum is all in line together .and i am in a small lot i cant move the balum the xyl wants the tv to stay put and if i move the shack i will haft to buy more coax and redo the hole thing .witch would be ok to move but it will be a hassel. but it can be done

> ---------- Original message ----------

[Non-text portions of this message have been removed]

6432. Install question

Yahoo group: ham-antennas (2008)
Date: 2008-10-23 00:09:10 UTC
From: Ken K6KAW
Topic: 6432 Message: 6432

Greetings to the group. Having just passed my general I still have lots of questions.

I know that for good performance that a dipole should be 1/4 - 1/2 above the ground.
Does that also mean that it should be that height above the top of my building?
Just a little background I live in a 2 story apartment building. I do have permission
to put up an antenna, I just think I should keep it low profile.

73 K6KAW
Ken W.

A freind of " Bill W. "

[Non-text portions of this message have been removed]

6433. Re: [ham-antennas] how does dipole "height" work?

Yahoo group: ham-antennas (2008)
Date: 2008-10-23 01:29:37 UTC
From: John P.
Topic: 6401 Message: 6433

There are some good discussions in the ARRL antenna handbook. Also, if you search via Google, for the 3 key words - dipole radiation pattern - there are some really fantastic diagrams and information out there.

--- On Tue, 10/21/08, hochman_97 <hochman_97@...> wrote:

From: hochman_97 <hochman_97@...>
Subject: [ham-antennas] how does dipole "height" work?
To: ham-antennas@yahoogroups.com
Date: Tuesday, October 21, 2008, 9:02 PM

Suppose you have a dipole hung as an inverted V....what is
the "effective" height of the antenna when used to calculate the RF
radiation patterns?

[Non-text portions of this message have been removed]

6434. Re: [ham-antennas] Re: balum

Yahoo group: ham-antennas (2008)
Date: 2008-10-23 01:51:07 UTC
From: vtex477@comcast.net
Topic: 6399 Message: 6434

well i feel embarassed .all this time i was thinking that i got a bad balum or i did something wrong...but not at all..it was the coax cable for the tv in the shack.when we moved in a few months ago we had cable hooked up the cable out sode from the pole to house is all under ground going in to the base ment ..15 foot away i had them put a 3 way spliter in so i can run cabel to my tv in the shack and the shack tv coax ran right next to the 50 ohm to my windom..i un hook the coax from the spliter transmited on 20-40-and 80 wile the xyl was watching the tv up stairs .. went up ask if any thing happen well lets just say she had all good words to say this time .. ez fix .. but i think i will still put a ugly one in just to see what happens ..73 all and thanks .. phil w1acc

---------- Original message ----------
From: vtex477@...

>
> copy that bill i have a ugly one all ready to go .73 phil
> ---------- Original message ----------
> From: "Bill"
> With all due respect, and I know each configuration has its own
> characteristics, but I think coiling up some coax into an ugly balun
> is easier to try than finding a new instalation for the antenna. My
> shack is on the second floor, about 15ft below and 10ft east of the
> feedpoint. If what I experienced was rf from the antenna, I doubt it
> would have disappeared by adding the choke, which I did at the
> suggestion of some experienced hams. If I understand it right, this
> type of antenna is prone to feedline radiation. The "Carolina Windom"
> version actually uses a portion of the coax shield for radiation,
> with a choke installed about 22ft down from the feedpoint, IIRC. I
> mean no disrespect, I just think that an ugly balun would be an easy
> thing to try before moving the antenna.
>
> Bill KC2SUO
>
> --- In ham-antennas@yahoogroups.com, kc2rgw@... wrote:
> >
> > My OCF is 20 or so from my shack on one end too and above 40m I
> have RF issues. It's not my antenna, cabling, or feedpoint, it is
> the RF my antenna is radiating.
> >
> > Save yourself a lot of trouble and simply re-orient the antenna.
> >
> > Mine is where it is because it was a quickie repair job. When it
> was oriented parallel and much (>50 feet) farther away, no issues.
> >
> > You are getting suggestions that will waste your time and money as
> they are fixes for things much less likely to be your problem.

> >
> > A carolina windom shouldn't need another balun at all unless
> something else is wrong.
> > Sent from my BlackBerry? smartphone with SprintSpeed
> >
> > -----Original Message-----
> > From: vtex477@...
> >
> > Date: Wed, 22 Oct 2008 11:20:30
> > To:
> > Subject: Re: [ham-antennas] balum
> >
> >
> > the longest end is around 150 foot orso and the shorter end is 25-
> 40..like i said the shack is in the basement now right above the
> shack is the tv and the balum is above that(out side) so the rig- tv
> and balum is all in line together .and i am in a small lot i cant
> move the balum the xyl wants the tv to stay put and if i move the
> shack i will haft to buy more coax and redo the hole thing .witch
> would be ok to move but it will be a hassel. but it can be done
> > -------------- Original message --------------
>
>
>
>
> [Non-text portions of this message have been removed]
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to
> ALL 1446 members (as of 9/26/08, and attachments are NOT permitted.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>

[Non-text portions of this message have been removed]

6435. Re: Install question

Yahoo group: ham-antennas (2008)
Date: 2008-10-23 03:55:43 UTC
From: hochman_97
Topic: 6432 Message: 6435

Hi Ken,

I'm sort of new at this myself, but the way I understand it is this....the "height" relates to where you choose to put the ground plane below the antenna. When the vertical is above an "ideal" ground the resonating charges in the real vertical causes "mirror virtual charges" in the ideal ground plane. Essentially the ground looks like a mirror with an "effective" reflected 1/4 vertical resonator in it. This might sound weird but it's how my professors explained it to me back in "the day".

-Jeff

--- In ham-antennas@yahoogroups.com, "Ken K6KAW" <ken.k6kaw@...> wrote:
>
>
> Greetings to the group. Having just passed my general I still have lots of
> questions.
>
> I know that for good performance that a dipole should be 1/4 - 1/2 above the
> ground.
> Does that also mean that it should be that height above the top of my
> building?
> Just a little background I live in a 2 story apartment building. I do have
> permission
> to put up an antenna, I just think I should keep it low profile.
>
>
>
> 73 K6KAW
> Ken W.
>
> A freind of " Bill W. "
>
>
> [Non-text portions of this message have been removed]
>

6436. Re: [ham-antennas] Re: Using Hrdline

Yahoo group: ham-antennas (2008)
Date: 2008-10-23 12:18:56 UTC
From: Dean L.
Topic: 6303 Message: 6436

We put up a Lot of hardline in the cellular
systems. A simple way is to double rap the
hardline to the tower legs with #12 cu wire.
It is cheep and easy to use. Cut a number of
pieces about 12 to 18 inches long .. bend them
in half and hook them to your belt then go
up the tower and rep the hardline from the
top down.

73 □Dean W5GXL□

W5GXL@...

On Oct 16, 2008, at 6:57 PM, ke4vyn wrote:

> They dont call it hard line for nothing!
>
> --- In ham-antennas@yahoogroups.com, Dave <w8qwdave@...> wrote:
> >
> > I'm about to string hardline between the antenna (up a 60' tower)
> and my transceiver. Total run is approximately 275'. My question is
> how to secure this stuff to the tower. I see micrtowave towers in
> the area with multiple hardline runs and wonder if there is an metal
> or pvc type clamp that attaches to the tower, and secures the
> hardline as well. I could use some heavy duty cable ties, but I'm
> concerned that the hardline is sufficiently heavy to make them
> ineffective. Suggestions will be much appreciated.
> >
> > Thanks in advance
> >
> > Dave
> >
> > _____
> > PeoplePC Online
> > A better way to Internet
> > http://www.peoplepc.com
> >
>
>
>

[Non-text portions of this message have been removed]

6437. Re: balum

Yahoo group: ham-antennas (2008)
Date: 2008-10-23 13:24:23 UTC
From: Bill
Topic: 6399 Message: 6437

Glad you found the problem, Phil. That's always a good feeling. Now here's the next thing...

Some of the stuff I've read says that the choke is more effective if the coil is wound flat around a form instead of bunched up. I think 18' to 20' around a 4" dia piece of pvc is supposed to be good from 160m to 10m, but do some research, I might be off in my recollection. There is definitely plenty on the subject online.

I actually took down my OCF and put up a 135' dipole in its place, fed with 300 ohm twinlead. Great reports so far, but I'm limited to pretty much a N-S orientation. I think I'm sending more signal toward africa instead of europe. I'm sure working africa would be great, but haven't heard much out of there. The OCF, when modeled, has some real funny lobes getting some of the power toward europe, and with that antenna I've worked 26 countries since Feb, with only a couple outside of europe. I think my next experiment would be to put up the OCF and feed with twinlead just to see how it works. The 4:1 would then be at the shack, instead of at the feedpoint. I just looked up online to see if anyone has tried that. Between that and some thinking on the subject (it is actually feeding an "unbalanced" antenna with a balanced transmission line) I'm pretty skeptical of the results, but I will probably try it anyway. I'll try and post results.

Have fun!

Bill KC2SUO

--- In ham-antennas@yahoogroups.com, vtex477@... wrote:
>
> well i feel embarassed .all this time i was thinking that i got a bad balum or i did something wrong...but not at all..it was the coax cable for the tv in the shack.when we moved in a few months ago we had cable hooked up the cable out sode from the pole to house is all under ground going in to the base ment ..15 foot away i had them put a 3 way spliter in so i can run cabel to my tv in the shack and the shack tv coax ran right next to the 50 ohm to my windom..i un hook the coax from the spliter transmited on 20-40-and 80 wile the xyl was watching the tv up stairs .. went up ask if any thing happen well lets just say she had all good words to say this time .. ez fix .. but i think i will still put a ugly one in just to see what happens ..73 all and thanks .. phil w1acc
>

6438. Re: [ham-antennas] Re: balum

Yahoo group: ham-antennas (2008)
Date: 2008-10-23 14:37:35 UTC
From: vtex477@comcast.net
Topic: 6399 Message: 6438

thanks bill i might try that...73 phil w1acc

---------- Original message ----------
From: "Bill" <wild_bill_yonder@...>
Glad you found the problem, Phil. That's always a good feeling. Now here's the next thing...

Some of the stuff I've read says that the choke is more effective if the coil is wound flat around a form instead of bunched up. I think 18' to 20' around a 4" dia piece of pvc is supposed to be good from 160m to 10m, but do some research, I might be off in my recollection. There is definitely plenty on the subject online.

I actually took down my OCF and put up a 135' dipole in its place, fed with 300 ohm twinlead. Great reports so far, but I'm limited to pretty much a N-S orientation. I think I'm sending more signal toward africa instead of europe. I'm sure working africa would be great, but haven't heard much out of there. The OCF, when modeled, has some real funny lobes getting some of the power toward europe, and with that antenna I've worked 26 countries since Feb, with only a couple outside of europe. I think my next experiment would be to put up the OCF and feed with twinlead just to see how it works. The 4:1 would then be at the shack, instead of at the feedpoint. I just looked up online to see if anyone has tried that. Between that and some thinking on the subject (it is actually feeding an "unbalanced" antenna with a balanced transmission line) I'm pretty skeptical of the results, but I will probably try it anyway. I'll try and post results.

Have fun!

Bill KC2SUO

--- In ham-antennas@yahoogroups.com, vtex477@... wrote:
>
> well i feel embarassed .all this time i was thinking that i got a bad balum or i did something wrong...but not at all..it was the coax cable for the tv in the shack.when we moved in a few months ago we had cable hooked up the cable out sode from the pole to house is all under ground going in to the base ment ..15 foot away i had them put a 3 way spliter in so i can run cabel to my tv in the shack and the shack tv coax ran right next to the 50 ohm to my windom..i un hook the coax from the spliter transmited on 20-40-and 80 wile the xyl was watching the tv up stairs .. went up ask if any thing happen well lets just say she had all good words to say this time .. ez fix .. but i think i will still put a ugly one in just to see what

happens ..73 all and thanks .. phil w1acc
>

[Non-text portions of this message have been removed]

6439. Re: I thought I had a crazy idea, but judging from the internet it looks like it's

Yahoo group: ham-antennas (2008)
Date: 2008-10-23 14:59:49 UTC
From: Al
Topic: 6421 Message: 6439

There is a QST article by K4ZA from the May 1997 QST magazine titled
"A Skyhook for the '90s". This article also has a Bibliography for
several other related articles on ballons. I saw it in the ARRL
book "More Wire Antennas Vol II".
Also you could do a search of QST magazine on the ARRL website.
73, Al, N6TEZ

--- In ham-antennas@yahoogroups.com, "hochman_97" <hochman_97@...>
wrote:
>
> been done. I was just walking around at lunchtime wondering if
anyone
> has every used helium balloons (or something similar) to temporarily
> lift up a dipole for better performance. I thought it was probably a
> crazy/impractical idea, but my quick search of the internet seems to
> have picked up some similar sorts of references (i.e. for instance,
one
> case where a repeater was carried aloft with such an arrangement).
Not
> that I recommend trying it, but I'd be interested in finding out if
> anyone knows of any cases were this was attempted.
>

6440. Re: [ham-antennas] Re: Using Hrdline

Yahoo group: ham-antennas (2008)
Date: 2008-10-23 15:07:00 UTC
From: jeff
Topic: 6303 Message: 6440

That stuff must be *lovely* when run through the house :)
My wife, bless her, was really nice about the LMR400 that I have running here and there.

Of course I don't say anything about the collection of Eeyores either....

6441. lower height requirements for long wave (160M) bands?

Yahoo group: ham-antennas (2008)
Date: 2008-10-23 17:39:15 UTC
From: hochman_97
Topic: 6441 Message: 6441

I've been researching antenna configurations for 160M TX/RX and it looks like most require mounting the antenna pretty high up. I'm somewhat restricted in my ability to get a dipole (or other configs) up higher than ~30' or so. I realize that this is nowhere near 1/4 wavelength of height at 160M, but I'm wondering if there's a way to setup the antenna to operate at a more "humble" height? I guess I could try a horizontal longwire configuration, but I'm not sure what the downside of a horizontal polarization to my signals would be...likely signal degradation I'm guessing. Although, I'm guessing a long dipole with radiators hung at 90deg to the feedline...up as high as possible might work if the radiator elements are 1/4 wavelength long, but I don't know how well that would work out. Has anyone heard of a usable/efficient lower band antenna that doesn't require hanging some element ~100' up in the air?

6442. Re: [ham-antennas] lower height requirements for long wave (160M) bands?

Yahoo group: ham-antennas (2008)
Date: 2008-10-23 17:43:46 UTC
From: Dan Schaaf
Topic: 6441 Message: 6442

Try inverted V at 30 ft. Somewhat omni-directional. But you will work some DX with it. If you can install a Beverage antenna at 8 ft high for receive you will do even better since it is a low noise on receive. If you can hear them, you can work them.

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com "In the Beginning, there was Spark Gap"

----- Original Message -----
From: hochman_97
To: ham-antennas@yahoogroups.com
Sent: Thursday, October 23, 2008 1:39 PM
Subject: [ham-antennas] lower height requirements for long wave (160M) bands?

I've been researching antenna configurations for 160M TX/RX and it looks like most require mounting the antenna pretty high up. I'm somewhat restricted in my ability to get a dipole (or other configs) up higher than ~30' or so. I realize that this is nowhere near 1/4 wavelength of height at 160M, but I'm wondering if there's a way to setup the antenna to operate at a more "humble" height? I guess I could try a horizontal longwire configuration, but I'm not sure what the downside of a horizontal polarization to my signals would be...likely signal degradation I'm guessing. Although, I'm guessing a long dipole with radiators hung at 90deg to the feedline...up as high as possible might work if the radiator elements are 1/4 wavelength long, but I don't know how well that would work out. Has anyone heard of a usable/efficient lower band antenna that doesn't require hanging some element ~100' up in the air?

[Non-text portions of this message have been removed]

6443. Re: [ham-antennas] Re: Vertical Yagi for HF ?

Yahoo group: ham-antennas (2008)
Date: 2008-10-23 18:39:24 UTC
From: Steve
Topic: 6385 Message: 6443

Lee wrote:
> A low (5') vertical dipole on HF will not give you any performance.
>
> As far as a high (5') vertical you will not have much take off angle, in fact none.
>
> They sell 'no radial verticals' all day long, but do you see any big contest stations using them?
>
> Do your test and see for yourself, that is the only way you will be convinced.
>
> You should realize though, EZNEC is theoretical and free space. So in practice your mileage may vary.
>
>
>
>
> ----- Original Message -----
> From: ash_lee52<mailto:ashton.lee@...>
> To: ham-antennas@yahoogroups.com<mailto:ham-antennas@yahoogroups.com>
> Sent: Tuesday, October 21, 2008 12:49 PM
> Subject: [ham-antennas] Re: Vertical Yagi for HF ?
>
>
> A low vertical dipole doesn't need radials, so why would a low
> vertical yagi?
>
> EZNEC predicts a low vertical yagi (like 5 feet off the ground for
> the lowest part) should work pretty well.
>
> --- In ham-antennas@yahoogroups.com<mailto:ham-antennas@yahoogroups.com>, "Lee" <ke4vyn@...> wrote:
> >
> > Ashton,
> > The issues will be if you usE a yagi vertically, this is assuming
> its on a 50-100 foot tower and your just turning it
> > on it axis then you will effectively have a vertical with no ground
> radials.
> > Unless your tower has a wide field of copper wire runs.
> >
> > Yes, HF likes verticals and there is MUCH debate about what is
> better so we aint going there.
> > Yet, with interference from the tower and lack of ground plane
> (radials) a yagi on it side is not
> > going to give you what your looking for.
> >

> > A vertical need to be close to the ground, abet on top of it with a
> large radial ground plane to work,
> > or it becomes a 'cloud warmer', good for 300-500 miles.
> > A above ground vertical, what your thinking of need tunes redials
> to work or back to be a cloud warmer.
> >
> > Remember, as you get lower and lower in the 'AM DIAL', bigger and
> better antennas start to look like the AM stations
> > you drive past in the country. Big and tall with a field FILLED
> with copper wire.
> >
> > Now of course if money is no problem, then there is a Japanese
> station that has a full size 80M beam you should
> > look at. He shunt feeds the boom for 160M. Yes, it is huge!
> >
> > Hope this helps.
> >
> > 73,
> > Lee
> > KE4VYN
> >
> >
> > ----- Original Message -----
> > From: ash_lee52<mailto:ashton.lee@...>
> > To: ham-antennas@yahoogroups.com<mailto:ham-antennas%40yahoogroups.com><mailto:ham-
> antennas@yahoogroups.com<mailto:antennas%40yahoogroups.com>>
> > Sent: Tuesday, October 21, 2008 12:04 PM
> > Subject: [ham-antennas] Vertical Yagi for HF ?
> >
> >
> > Does anyone have experience using a HF Yagi in a vertical
> position,
> > rather than as the traditional horizontal. I can't elevate a yagi
> much
> > but modeling shows I'd get pretty decent angles of radiation
> using a
> > low vertical orientation with a non conductive mast. I know
> vertical
> > dipoles can work well... this seems to be a version of that with
> a bit
> > more directional gain. A vertical dipole actually likes being
> close to
> > the ground.
> >
> >
> >
> >
> >
> > [Non-text portions of this message have been removed]
> >

>
>
>
>
>
> [Non-text portions of this message have been removed]
>
>
> ----------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 1446 members (as of 9/26/08, and attachments are NOT permitted.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
>
>
EZnec does indeed have a theoretical lossy ground, as well as a perfect ground. Although I haven't used EZ for a number of years, since I now run Linux, but I remember using it, and it performed pretty close to actual for my QTH. In fact, it was more realistic than the Linux version I am now using.

Steve/WM5Z

6444. Re: [ham-antennas] Re: balum

Yahoo group: ham-antennas (2008)
Date: 2008-10-23 21:15:03 UTC
From: w8okn@charter.net
Topic: 6399 Message: 6444

What is a balum?
--
From the desk of W8OKN, northern Michigan

---- vtex477@... wrote:
> thanks bill i might try that...73 phil w1acc
>
> -------------- Original message --------------
> From: "Bill" <wild_bill_yonder@...>
> Glad you found the problem, Phil. That's always a good feeling. Now
> here's the next thing...
>
> Some of the stuff I've read says that the choke is more effective if
> the coil is wound flat around a form instead of bunched up. I think
> 18' to 20' around a 4" dia piece of pvc is supposed to be good from
> 160m to 10m, but do some research, I might be off in my recollection.
> There is definitely plenty on the subject online.
>
> I actually took down my OCF and put up a 135' dipole in its place,
> fed with 300 ohm twinlead. Great reports so far, but I'm limited to
> pretty much a N-S orientation. I think I'm sending more signal toward
> africa instead of europe. I'm sure working africa would be great, but
> haven't heard much out of there. The OCF, when modeled, has some real
> funny lobes getting some of the power toward europe, and with that
> antenna I've worked 26 countries since Feb, with only a couple
> outside of europe. I think my next experiment would be to put up the
> OCF and feed with twinlead just to see how it works. The 4:1 would
> then be at the shack, instead of at the feedpoint. I just looked up
> online to see if anyone has tried that. Between that and some
> thinking on the subject (it is actually feeding an "unbalanced"
> antenna with a balanced transmission line) I'm pretty skeptical of
> the results, but I will probably try it anyway. I'll try and post
> results.
>
> Have fun!
>
> Bill KC2SUO
>
> --- In ham-antennas@yahoogroups.com, vtex477@... wrote:
> >
> > well i feel embarassed .all this time i was thinking that i got a
> bad balum or i did something wrong...but not at all..it was the coax
> cable for the tv in the shack.when we moved in a few months ago we
> had cable hooked up the cable out sode from the pole to house is all
> under ground going in to the base ment ..15 foot away i had them put

> a 3 way spliter in so i can run cabel to my tv in the shack and the
> shack tv coax ran right next to the 50 ohm to my windom..i un hook
> the coax from the spliter transmited on 20-40-and 80 wile the xyl was
> watching the tv up stairs .. went up ask if any thing happen well
> lets just say she had all good words to say this time .. ez fix ..
> but i think i will still put a ugly one in just to see what
> happens ..73 all and thanks .. phil w1acc
> >
>
>
>
>
> [Non-text portions of this message have been removed]
>

6445. RE: [ham-antennas] Re: balum

Yahoo group: ham-antennas (2008)
Date: 2008-10-23 21:19:40 UTC
From: Mike Besemer (WM4B)
Topic: 6399 Message: 6445

Ha! I’ve been wondering that ever since this thread started!

WM4B

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of w8okn@...
Sent: Thursday, October 23, 2008 5:15 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: balum

What is a balum?
--
From the desk of W8OKN, northern Michigan

---- vtex477@... <mailto:vtex477%40comcast.net> wrote:
> thanks bill i might try that...73 phil w1acc
>
> -------------- Original message --------------
> From: "Bill" <wild_bill_yonder@... <mailto:wild_bill_yonder%40yahoo.com> >
> Glad you found the problem, Phil. That's always a good feeling. Now
> here's the next thing...
>
> Some of the stuff I've read says that the choke is more effective if
> the coil is wound flat around a form instead of bunched up. I think
> 18' to 20' around a 4" dia piece of pvc is supposed to be good from
> 160m to 10m, but do some research, I might be off in my recollection.
> There is definitely plenty on the subject online.
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> I actually took down my OCF and put up a 135' dipole in its place,
> fed with 300 ohm twinlead. Great reports so far, but I'm limited to
> pretty much a N-S orientation. I think I'm sending more signal toward
> africa instead of europe. I'm sure working africa would be great, but
> haven't heard much out of there. The OCF, when modeled, has some real
> funny lobes getting some of the power toward europe, and with that
> antenna I've worked 26 countries since Feb, with only a couple
> outside of europe. I think my next experiment would be to put up the
> OCF and feed with twinlead just to see how it works. The 4:1 would
> then be at the shack, instead of at the feedpoint. I just looked up
> online to see if anyone has tried that. Between that and some
> thinking on the subject (it is actually feeding an "unbalanced"
> antenna with a balanced transmission line) I'm pretty skeptical of
> the results, but I will probably try it anyway. I'll try and post
> results.
>
> Have fun!
>

> Bill KC2SUO
>
> --- In ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com> ,
vtex477@... wrote:
> >
> > well i feel embarassed .all this time i was thinking that i got a
> bad balum or i did something wrong...but not at all..it was the coax
> cable for the tv in the shack.when we moved in a few months ago we
> had cable hooked up the cable out sode from the pole to house is all
> under ground going in to the base ment ..15 foot away i had them put
> a 3 way spliter in so i can run cabel to my tv in the shack and the
> shack tv coax ran right next to the 50 ohm to my windom..i un hook
> the coax from the spliter transmited on 20-40-and 80 wile the xyl was
> watching the tv up stairs .. went up ask if any thing happen well
> lets just say she had all good words to say this time .. ez fix ..
> but i think i will still put a ugly one in just to see what
> happens ..73 all and thanks .. phil w1acc
> >
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> [Non-text portions of this message have been removed]
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[Non-text portions of this message have been removed]

6446. noise help

Yahoo group: ham-antennas (2008)
Date: 2008-10-23 22:02:59 UTC
From: Its from KE4VYN
Topic: 6446 Message: 6446

Hi guys,

Apologies if you cant see pics.

If you have a second for me to run a issue past ya.

I know noise is always a problem, but what I have done to get get a 'ground zero' like we used to do in tv stations
is run a piece of #6 copper from the battery to the antenna ground.

Like this. That way I have a direct run.

Then along the way I attach parts to 'Ground zero', like cab, frame, and tailpipes.

Then another attach at the frame/cab factory ground.

I read 2.3 ohms from this point to the inside of cab at radio chassis ground/antenna shield.

Now here is the weird part. going from battery to first point I get 9 ohms!!!!

I mean this first point is only 2 feet from the battery! Right behind the wheel.

Any ideas???
Got S7 noise with engine running and 0 with it off. Sounds like hash noise, not whine.

Lee

[Non-text portions of this message have been removed]

6447. Re: [ham-antennas] Re: balum

Yahoo group: ham-antennas (2008)
Date: 2008-10-23 22:20:41 UTC
From: vtex477@comcast.net
Topic: 6399 Message: 6447

---------- Original message ----------
From: <w8okn@...>
What is a balum?
--
From the desk of W8OKN, northern Michigan

---- vtex477@... wrote:
> thanks bill i might try that...73 phil w1acc
>
> ---------- Original message ----------
> From: "Bill" <wild_bill_yonder@...>
> Glad you found the problem, Phil. That's always a good feeling. Now
> here's the next thing...
>
> Some of the stuff I've read says that the choke is more effective if
> the coil is wound flat around a form instead of bunched up. I think
> 18' to 20' around a 4" dia piece of pvc is supposed to be good from
> 160m to 10m, but do some research, I might be off in my recollection.
> There is definitely plenty on the subject online.
>
> I actually took down my OCF and put up a 135' dipole in its place,
> fed with 300 ohm twinlead. Great reports so far, but I'm limited to
> pretty much a N-S orientation. I think I'm sending more signal toward
> africa instead of europe. I'm sure working africa would be great, but
> haven't heard much out of there. The OCF, when modeled, has some real
> funny lobes getting some of the power toward europe, and with that
> antenna I've worked 26 countries since Feb, with only a couple
> outside of europe. I think my next experiment would be to put up the
> OCF and feed with twinlead just to see how it works. The 4:1 would
> then be at the shack, instead of at the feedpoint. I just looked up
> online to see if anyone has tried that. Between that and some
> thinking on the subject (it is actually feeding an "unbalanced"
> antenna with a balanced transmission line) I'm pretty skeptical of
> the results, but I will probably try it anyway. I'll try and post
> results.
>
> Have fun!
>
> Bill KC2SUO
>
> --- In ham-antennas@yahoogroups.com, vtex477@... wrote:
> >
> > well i feel embarassed .all this time i was thinking that i got a
> bad balum or i did something wrong...but not at all..it was the coax
> cable for the tv in the shack.when we moved in a few months ago we

> had cable hooked up the cable out sode from the pole to house is all
> under ground going in to the base ment ..15 foot away i had them put
> a 3 way spliter in so i can run cabel to my tv in the shack and the
> shack tv coax ran right next to the 50 ohm to my windom..i un hook
> the coax from the spliter transmited on 20-40-and 80 wile the xyl was
> watching the tv up stairs .. went up ask if any thing happen well
> lets just say she had all good words to say this time .. ez fix ..
> but i think i will still put a ugly one in just to see what
> happens ..73 all and thanks .. phil w1acc
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[Non-text portions of this message have been removed]

6448. Re: [ham-antennas] Re: balum

Yahoo group: ham-antennas (2008)
Date: 2008-10-23 22:21:12 UTC
From: vtex477@comcast.net
Topic: 6399 Message: 6448

sorry spelled it wrong

---------- Original message ----------
From: <w8okn@...>
What is a balum?
--
From the desk of W8OKN, northern Michigan

---- vtex477@... wrote:
> thanks bill i might try that...73 phil w1acc
>
> ---------- Original message ----------
> From: "Bill" <wild_bill_yonder@...>
> Glad you found the problem, Phil. That's always a good feeling. Now
> here's the next thing...
>
> Some of the stuff I've read says that the choke is more effective if
> the coil is wound flat around a form instead of bunched up. I think
> 18' to 20' around a 4" dia piece of pvc is supposed to be good from
> 160m to 10m, but do some research, I might be off in my recollection.
> There is definitely plenty on the subject online.
>
> I actually took down my OCF and put up a 135' dipole in its place,
> fed with 300 ohm twinlead. Great reports so far, but I'm limited to
> pretty much a N-S orientation. I think I'm sending more signal toward
> africa instead of europe. I'm sure working africa would be great, but
> haven't heard much out of there. The OCF, when modeled, has some real
> funny lobes getting some of the power toward europe, and with that
> antenna I've worked 26 countries since Feb, with only a couple
> outside of europe. I think my next experiment would be to put up the
> OCF and feed with twinlead just to see how it works. The 4:1 would
> then be at the shack, instead of at the feedpoint. I just looked up
> online to see if anyone has tried that. Between that and some
> thinking on the subject (it is actually feeding an "unbalanced"
> antenna with a balanced transmission line) I'm pretty skeptical of
> the results, but I will probably try it anyway. I'll try and post
> results.
>
> Have fun!
>
> Bill KC2SUO
>
> --- In ham-antennas@yahoogroups.com, vtex477@... wrote:
> >
> > well i feel embarassed .all this time i was thinking that i got a

> bad balum or i did something wrong...but not at all..it was the coax
> cable for the tv in the shack.when we moved in a few months ago we
> had cable hooked up the cable out sode from the pole to house is all
> under ground going in to the base ment ..15 foot away i had them put
> a 3 way spliter in so i can run cabel to my tv in the shack and the
> shack tv coax ran right next to the 50 ohm to my windom..i un hook
> the coax from the spliter transmited on 20-40-and 80 wile the xyl was
> watching the tv up stairs .. went up ask if any thing happen well
> lets just say she had all good words to say this time .. ez fix ..
> but i think i will still put a ugly one in just to see what
> happens ..73 all and thanks .. phil w1acc
> >
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> [Non-text portions of this message have been removed]
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[Non-text portions of this message have been removed]

6449. PVC plastic pipe strength and stability...

Yahoo group: ham-antennas (2008)
Date: 2008-10-23 22:28:32 UTC
From: hochman_97
Topic: 6449 Message: 6449

I was thinking about making an antenna with a long section of PVC pipe mounted on it's end (on the ground) pointing up to some height. The question I have is, does anyone have any experience with this stuff and know how tall such an arrangement can get before the top section becomes fairly "bendy" and wobbly/unstable? I experimented with some narrow diameter PVC pipe and it looked pretty unacceptable for any height above about 10'. I'm guessing bigger diameter pipes would work better, or possibly be just as bad...not sure.

6450. RE: [ham-antennas] Re: balum

Yahoo group: ham-antennas (2008)
Date: 2008-10-23 22:29:57 UTC
From: Mike Besemer (WM4B)
Topic: 6399 Message: 6450

We can use a little levity from time to time!

de WM4B

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of vtex477@...
Sent: Thursday, October 23, 2008 6:21 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: balum

sorry spelled it wrong

---------- Original message ----------
From: <w8okn@... <mailto:w8okn%40charter.net> >
What is a balum?
--
From the desk of W8OKN, northern Michigan

---- vtex477@... <mailto:vtex477%40comcast.net> wrote:
> thanks bill i might try that...73 phil w1acc
>
> ---------- Original message ----------
> From: "Bill" <wild_bill_yonder@...
<mailto:wild_bill_yonder%40yahoo.com> >
> Glad you found the problem, Phil. That's always a good feeling. Now
> here's the next thing...
>
> Some of the stuff I've read says that the choke is more effective if
> the coil is wound flat around a form instead of bunched up. I think
> 18' to 20' around a 4" dia piece of pvc is supposed to be good from
> 160m to 10m, but do some research, I might be off in my recollection.
> There is definitely plenty on the subject online.
>
> I actually took down my OCF and put up a 135' dipole in its place,
> fed with 300 ohm twinlead. Great reports so far, but I'm limited to
> pretty much a N-S orientation. I think I'm sending more signal toward
> africa instead of europe. I'm sure working africa would be great, but
> haven't heard much out of there. The OCF, when modeled, has some real
> funny lobes getting some of the power toward europe, and with that
> antenna I've worked 26 countries since Feb, with only a couple
> outside of europe. I think my next experiment would be to put up the
> OCF and feed with twinlead just to see how it works. The 4:1 would
> then be at the shack, instead of at the feedpoint. I just looked up
> online to see if anyone has tried that. Between that and some
> thinking on the subject (it is actually feeding an "unbalanced"
> antenna with a balanced transmission line) I'm pretty skeptical of

> the results, but I will probably try it anyway. I'll try and post
> results.
>
> Have fun!
>
> Bill KC2SUO
>
> --- In ham-antennas@yahoogroups.com
<mailto:ham-antennas%40yahoogroups.com> , vtex477@... wrote:
> >
> > well i feel embarassed .all this time i was thinking that i got a
> bad balum or i did something wrong...but not at all..it was the coax
> cable for the tv in the shack.when we moved in a few months ago we
> had cable hooked up the cable out sode from the pole to house is all
> under ground going in to the base ment ..15 foot away i had them put
> a 3 way spliter in so i can run cabel to my tv in the shack and the
> shack tv coax ran right next to the 50 ohm to my windom..i un hook
> the coax from the spliter transmited on 20-40-and 80 wile the xyl was
> watching the tv up stairs .. went up ask if any thing happen well
> lets just say she had all good words to say this time .. ez fix ..
> but i think i will still put a ugly one in just to see what
> happens ..73 all and thanks .. phil w1acc
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> [Non-text portions of this message have been removed]
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[Non-text portions of this message have been removed]

6451. Re: [ham-antennas] PVC plastic pipe strength and stability...

Yahoo group: ham-antennas (2008)
Date: 2008-10-23 22:39:10 UTC
From: vaclav sal
Topic: 6449 Message: 6451

Your are pretty close - 10 to 15 feet max with two PVC pipes telescoping.
The problem is that you have to use guy ropes in the middle of it to keep it from bowing.
I use surplus fiberglass cammo net poles available on e-bay and elsewhere.
Much stronger than PVC.
About 4 feet a section and six of them together are pretty self-supporting and with little luck will go higher.
AA7EJ Vaclav

--- On Thu, 10/23/08, hochman_97 <hochman_97@yahoo.com> wrote:

From: hochman_97 <hochman_97@...>
Subject: [ham-antennas] PVC plastic pipe strength and stability...
To: ham-antennas@yahoogroups.com
Date: Thursday, October 23, 2008, 3:28 PM

I was thinking about making an antenna with a long section of PVC pipe mounted on it's end (on the ground) pointing up to some height. The question I have is, does anyone have any experience with this stuff and know how tall such an arrangement can get before the top section becomes fairly "bendy" and wobbly/unstable? I experimented with some narrow diameter PVC pipe and it looked pretty unacceptable for any height above about 10'. I'm guessing bigger diameter pipes would work better, or possibly be just as bad...not sure.

[Non-text portions of this message have been removed]

6452. RE: [ham-antennas] Re: balum

Yahoo group: ham-antennas (2008)
Date: 2008-10-23 22:42:02 UTC
From: vtex477@comcast.net
Topic: 6399 Message: 6452

let me do the right thing A BALUN..now is that better?? lol

---------- Original message ----------
From: "Mike Besemer (WM4B)" <mwbesemer@...>
We can use a little levity from time to time!

de WM4B

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of vtex477@...
Sent: Thursday, October 23, 2008 6:21 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: balum

sorry spelled it wrong

---------- Original message ----------
From: <w8okn@... <mailto:w8okn%40charter.net> >
What is a balum?
--
From the desk of W8OKN, northern Michigan

---- vtex477@... <mailto:vtex477%40comcast.net> wrote:
> thanks bill i might try that...73 phil w1acc
>
> ---------- Original message ----------
> From: "Bill" <wild_bill_yonder@...
<mailto:wild_bill_yonder%40yahoo.com> >
> Glad you found the problem, Phil. That's always a good feeling. Now
> here's the next thing...
>
> Some of the stuff I've read says that the choke is more effective if
> the coil is wound flat around a form instead of bunched up. I think
> 18' to 20' around a 4" dia piece of pvc is supposed to be good from
> 160m to 10m, but do some research, I might be off in my recollection.
> There is definitely plenty on the subject online.
>
> I actually took down my OCF and put up a 135' dipole in its place,
> fed with 300 ohm twinlead. Great reports so far, but I'm limited to
> pretty much a N-S orientation. I think I'm sending more signal toward
> africa instead of europe. I'm sure working africa would be great, but
> haven't heard much out of there. The OCF, when modeled, has some real
> funny lobes getting some of the power toward europe, and with that
> antenna I've worked 26 countries since Feb, with only a couple
> outside of europe. I think my next experiment would be to put up the
> OCF and feed with twinlead just to see how it works. The 4:1 would

> then be at the shack, instead of at the feedpoint. I just looked up
> online to see if anyone has tried that. Between that and some
> thinking on the subject (it is actually feeding an "unbalanced"
> antenna with a balanced transmission line) I'm pretty skeptical of
> the results, but I will probably try it anyway. I'll try and post
> results.
>
> Have fun!
>
> Bill KC2SUO
>
> --- In ham-antennas@yahoogroups.com
<mailto:ham-antennas%40yahoogroups.com> , vtex477@... wrote:
> >
> > well i feel embarassed .all this time i was thinking that i got a
> bad balum or i did something wrong...but not at all..it was the coax
> cable for the tv in the shack.when we moved in a few months ago we
> had cable hooked up the cable out sode from the pole to house is all
> under ground going in to the base ment ..15 foot away i had them put
> a 3 way spliter in so i can run cabel to my tv in the shack and the
> shack tv coax ran right next to the 50 ohm to my windom..i un hook
> the coax from the spliter transmited on 20-40-and 80 wile the xyl was
> watching the tv up stairs .. went up ask if any thing happen well
> lets just say she had all good words to say this time .. ez fix ..
> but i think i will still put a ugly one in just to see what
> happens ..73 all and thanks .. phil w1acc
> >
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> [Non-text portions of this message have been removed]
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[Non-text portions of this message have been removed]

6453. Re: PVC plastic pipe strength and stability...

Yahoo group: ham-antennas (2008)
Date: 2008-10-23 22:52:30 UTC
From: hochman_97
Topic: 6449 Message: 6453

Ahh..I thought as much. I am currently using a "kite pole" which can extend up ~30', but I'm looking for a solution to get me a bit higher for the lower freq bands...

Oh well.

--- In ham-antennas@yahoogroups.com, vaclav sal <vaclav_sal@...> wrote:
>
> Your are pretty close - 10 to 15 feet max with two PVC pipes telescoping.
> The problem is that you have to use guy ropes in the middle of it to keep it from bowing.
> I use surplus fiberglass cammo net poles available on e-bay and elsewhere.
> Much stronger than PVC.
> About 4 feet a section and six of them together are pretty self-supporting and with little luck will go higher.
> AA7EJ Vaclav
>
>
>
> --- On Thu, 10/23/08, hochman_97 <hochman_97@...> wrote:
>
> From: hochman_97 <hochman_97@...>
> Subject: [ham-antennas] PVC plastic pipe strength and stability...
> To: ham-antennas@yahoogroups.com
> Date: Thursday, October 23, 2008, 3:28 PM
>
>
>
>
>
>
> I was thinking about making an antenna with a long section of PVC pipe
> mounted on it's end (on the ground) pointing up to some height. The
> question I have is, does anyone have any experience with this stuff and
> know how tall such an arrangement can get before the top section
> becomes fairly "bendy" and wobbly/unstable? I experimented with some
> narrow diameter PVC pipe and it looked pretty unacceptable for any
> height above about 10'. I'm guessing bigger diameter pipes would work

> better, or possibly be just as bad...not sure.
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> [Non-text portions of this message have been removed]
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6454. Re: [ham-antennas] PVC plastic pipe strength and stability...

Yahoo group: ham-antennas (2008)
Date: 2008-10-23 23:11:53 UTC
From: Alan Wilson
Topic: 6449 Message: 6454

You might try sliding smaller sizes into larger sizes and use schedule 40. I heard of people getting 30 ft using this method. I've never tried it my self..good luck, Alan

On 10/23/08, hochman_97 <hochman_97@...> wrote:
>
> I was thinking about making an antenna with a long section of PVC pipe
> mounted on it's end (on the ground) pointing up to some height. The
> question I have is, does anyone have any experience with this stuff and
> know how tall such an arrangement can get before the top section
> becomes fairly "bendy" and wobbly/unstable? I experimented with some
> narrow diameter PVC pipe and it looked pretty unacceptable for any
> height above about 10'. I'm guessing bigger diameter pipes would work
> better, or possibly be just as bad...not sure.
>
>
>

--
Alan Wilson
67 Bullseye Lane
Victor, MT 59875
http://montanaham.tripod.com

[Non-text portions of this message have been removed]

6455. RE: [ham-antennas] Re: balum

Yahoo group: ham-antennas (2008)
Date: 2008-10-23 23:40:15 UTC
From: w8okn@charter.net
Topic: 6399 Message: 6455

I feel much better.

Thanks!
--
From the desk of W8OKN, northern Michigan

---- vtex477@... wrote:
> let me do the right thing A BALUN..now is that better?? lol
>
> ---------- Original message ----------
> From: "Mike Besemer (WM4B)" <mwbesemer@...>
> We can use a little levity from time to time!
>
> de WM4B
>
> From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On
> Behalf Of vtex477@...
> Sent: Thursday, October 23, 2008 6:21 PM
> To: ham-antennas@yahoogroups.com
> Subject: Re: [ham-antennas] Re: balum
>
> sorry spelled it wrong
>
> ---------- Original message ----------
> From: <w8okn@... <mailto:w8okn%40charter.net> >
> What is a balum?
> --
> From the desk of W8OKN, northern Michigan
>
> ---- vtex477@... <mailto:vtex477%40comcast.net> wrote:
> > thanks bill i might try that...73 phil w1acc
> >
> > ---------- Original message ----------
> > From: "Bill" <wild_bill_yonder@...
> <mailto:wild_bill_yonder%40yahoo.com> >
> > Glad you found the problem, Phil. That's always a good feeling. Now
> > here's the next thing...
> >
> > Some of the stuff I've read says that the choke is more effective if
> > the coil is wound flat around a form instead of bunched up. I think
> > 18' to 20' around a 4" dia piece of pvc is supposed to be good from
> > 160m to 10m, but do some research, I might be off in my recollection.
> > There is definitely plenty on the subject online.
> >
> > I actually took down my OCF and put up a 135' dipole in its place,

> > fed with 300 ohm twinlead. Great reports so far, but I'm limited to
> > pretty much a N-S orientation. I think I'm sending more signal toward
> > africa instead of europe. I'm sure working africa would be great, but
> > haven't heard much out of there. The OCF, when modeled, has some real
> > funny lobes getting some of the power toward europe, and with that
> > antenna I've worked 26 countries since Feb, with only a couple
> > outside of europe. I think my next experiment would be to put up the
> > OCF and feed with twinlead just to see how it works. The 4:1 would
> > then be at the shack, instead of at the feedpoint. I just looked up
> > online to see if anyone has tried that. Between that and some
> > thinking on the subject (it is actually feeding an "unbalanced"
> > antenna with a balanced transmission line) I'm pretty skeptical of
> > the results, but I will probably try it anyway. I'll try and post
> > results.
> >
> > Have fun!
> >
> > Bill KC2SUO
> >
> > --- In ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com> , vtex477@... wrote:
> > >
> > > well i feel embarassed .all this time i was thinking that i got a
> > bad balum or i did something wrong...but not at all..it was the coax
> > cable for the tv in the shack.when we moved in a few months ago we
> > had cable hooked up the cable out sode from the pole to house is all
> > under ground going in to the base ment ..15 foot away i had them put
> > a 3 way spliter in so i can run cabel to my tv in the shack and the
> > shack tv coax ran right next to the 50 ohm to my windom..i un hook
> > the coax from the spliter transmited on 20-40-and 80 wile the xyl was
> > watching the tv up stairs .. went up ask if any thing happen well
> > lets just say she had all good words to say this time .. ez fix ..
> > but i think i will still put a ugly one in just to see what
> > happens ..73 all and thanks .. phil w1acc
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6456. RE: [ham-antennas] Re: balum

Yahoo group: ham-antennas (2008)
Date: 2008-10-23 23:46:37 UTC
From: Mike Besemer (WM4B)
Topic: 6399 Message: 6456

Me too!

WM4B

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of w8okn@...
Sent: Thursday, October 23, 2008 7:40 PM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Re: balum

I feel much better.

Thanks!
--
From the desk of W8OKN, northern Michigan

---- vtex477@... <mailto:vtex477%40comcast.net> wrote:
> let me do the right thing A BALUN..now is that better?? lol
>
> ---------- Original message ----------
> From: "Mike Besemer (WM4B)" <mwbesemer@... <mailto:mwbesemer%40cox.net> >
> We can use a little levity from time to time!
>
> de WM4B
>
> From: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
[mailto:ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>] On
> Behalf Of vtex477@comcast.net <mailto:vtex477%40comcast.net>
> Sent: Thursday, October 23, 2008 6:21 PM
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Subject: Re: [ham-antennas] Re: balum
>
> sorry spelled it wrong
>
> ---------- Original message ----------
> From: <w8okn@charter.net <mailto:w8okn%40charter.net> <mailto:w8okn%40charter.net> >
> What is a balum?
> --
> From the desk of W8OKN, northern Michigan
>
> ---- vtex477@... <mailto:vtex477%40comcast.net> <mailto:vtex477%40comcast.net> wrote:
> > thanks bill i might try that...73 phil w1acc
> >
> > ---------- Original message ----------
> > From: "Bill" <wild_bill_yonder@... <mailto:wild_bill_yonder%40yahoo.com>
> <mailto:wild_bill_yonder%40yahoo.com> >

> > Glad you found the problem, Phil. That's always a good feeling. Now
> > here's the next thing...
> >
> > Some of the stuff I've read says that the choke is more effective if
> > the coil is wound flat around a form instead of bunched up. I think
> > 18' to 20' around a 4" dia piece of pvc is supposed to be good from
> > 160m to 10m, but do some research, I might be off in my recollection.
> > There is definitely plenty on the subject online.
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> > I actually took down my OCF and put up a 135' dipole in its place,
> > fed with 300 ohm twinlead. Great reports so far, but I'm limited to
> > pretty much a N-S orientation. I think I'm sending more signal toward
> > africa instead of europe. I'm sure working africa would be great, but
> > haven't heard much out of there. The OCF, when modeled, has some real
> > funny lobes getting some of the power toward europe, and with that
> > antenna I've worked 26 countries since Feb, with only a couple
> > outside of europe. I think my next experiment would be to put up the
> > OCF and feed with twinlead just to see how it works. The 4:1 would
> > then be at the shack, instead of at the feedpoint. I just looked up
> > online to see if anyone has tried that. Between that and some
> > thinking on the subject (it is actually feeding an "unbalanced"
> > antenna with a balanced transmission line) I'm pretty skeptical of
> > the results, but I will probably try it anyway. I'll try and post
> > results.
> >
> > Have fun!
> >
> > Bill KC2SUO
> >
> > --- In ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> <mailto:ham-antennas%40yahoogroups.com> , vtex477@... wrote:
> > >
> > > well i feel embarassed .all this time i was thinking that i got a
> > bad balum or i did something wrong...but not at all..it was the coax
> > cable for the tv in the shack.when we moved in a few months ago we
> > had cable hooked up the cable out sode from the pole to house is all
> > under ground going in to the base ment ..15 foot away i had them put
> > a 3 way spliter in so i can run cabel to my tv in the shack and the
> > shack tv coax ran right next to the 50 ohm to my windom..i un hook
> > the coax from the spliter transmited on 20-40-and 80 wile the xyl was
> > watching the tv up stairs .. went up ask if any thing happen well
> > lets just say she had all good words to say this time .. ez fix ..
> > but i think i will still put a ugly one in just to see what
> > happens ..73 all and thanks .. phil w1acc
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6457. Re: [ham-antennas] PVC plastic pipe strength and stability...

Yahoo group: ham-antennas (2008)
Date: 2008-10-24 00:53:45 UTC
From: k9ttt@comcast.net
Topic: 6449 Message: 6457

Dale K8TS hr:
I work with it every day. Schedule 40 does have some strenght but not that much. In fact I just got through mounting a similar set-up myself. I used a GM 8' tower mounted on my roof. I used the rotor plate as the bottom plate for the mast. I then used a section of 2" SCH 40 (5') as the lower link going throught the top. Inside the the 2' I inserted a piece of 1 1/2 pipe which fits nicly. I mad about a 2' overlap and instead of using a coupler I used a Ferco fiting (a rubber connector), with a weatherhead on top. From this I hung my 160 antenna. There is some pronouned bend in the pipe combiniation. Not sure that the pipe will last through the winter cold. If I had thought to I would have used SCH 80 conduit as it is UV protected. That's my experience. 10' sections will definitly not hold up
Dale K8TS

[Non-text portions of this message have been removed]

6458. Re: [ham-antennas] Install question

Yahoo group: ham-antennas (2008)
Date: 2008-10-24 00:56:00 UTC
From: Andy
Topic: 6432 Message: 6458

> I know that for good performance that a dipole should be 1/4 - 1/2 above
> the
> ground.
> Does that also mean that it should be that height above the top of my
> building?

It is mostly the earth that matters, or maybe the water table. But this depends on what the building is made out of. That's why many people can use attic antennas. The wiring in the building has some effect but it usually isn't overwhelming.

On the other hand, if the building has a metal frame, an antenna above the roof might see the building as its underlying "ground" structure (especially if the building is longer than a wavelength) and then it's the height above the roof that you want to worry about.

A horizontal antenna 1/2 wave above good ground causes a null in the pattern straight up, which can mean so-so results working local stations, but good DX. An NVIS antenna (cloud burner) does the opposite, to hopefully eliminate the skip zone and let you communicate reliably with stations within a few hundred miles.

Andy

6459. Re: [ham-antennas] inexpensive, safe way (for radio) to check optimal SWR on a band?

Yahoo group: ham-antennas (2008)
Date: 2008-10-24 01:15:10 UTC
From: Andy
Topic: 6370 Message: 6459

If you have a manual antenna tuner, keep the rig in RX and adjust the tuner to peak the received signal (or noise) at the frequency you want to use. That will get you in the ballpark, and it's better than randomly transmitting and seeing how many people you can contact.

If you have an automatic tuner, it will try to minimize the SWR once you transmit.

It is important to realize that an antenna tuner doesn't minimize the SWR unless it is adjusted right. *IT* doesn't try to minimize the SWR. YOU do that, by adjusting the antenna tuner for low SWR.

And I think you asked what the SWR is like on the other side of the tuner. The antenna tuner has no effect on that. But that doesn't matter (unless you are concerned about feedline loss).

Andy

6460. Re: inexpensive, safe way (for radio) to check optimal SWR on a band?

Yahoo group: ham-antennas (2008)
Date: 2008-10-24 01:29:07 UTC
From: hochman_97
Topic: 6370 Message: 6460

Well, when I mentioned my antenna tuner...I was referring to an automatic one (should have said so..sorry). So the automatic antenna tuner does try to minimize SWR to the radio, but as I was mentioning before..that doesn't mean that the power from the transmitter radiates out of the antenna...it can actually be going to produce heat...depending on reflections back from the feedline/antenna after the tuner. I was just wondering what a good/cheap way to adjust a new vertical would be since my antenna tuner (built into radio) mostly reads that the SWR < 1.5 or so..and my automatic tuner doesn't have any display at all just an LED that turns on without flashing if the SWR is low enough. Maybe I just need to get another SWR meter with an actual readable scale on it? ;-}

--- In ham-antennas@yahoogroups.com, Andy <Andy.groups@...> wrote:
>
> If you have a manual antenna tuner, keep the rig in RX and adjust the tuner
> to peak the received signal (or noise) at the frequency you want to use.
> That will get you in the ballpark, and it's better than randomly
> transmitting and seeing how many people you can contact.
>
> If you have an automatic tuner, it will try to minimize the SWR once you
> transmit.
>
> It is important to realize that an antenna tuner doesn't minimize the SWR
> unless it is adjusted right. *IT* doesn't try to minimize the SWR. YOU do
> that, by adjusting the antenna tuner for low SWR.
>
> And I think you asked what the SWR is like on the other side of the tuner.
> The antenna tuner has no effect on that. But that doesn't matter (unless
> you are concerned about feedline loss).
>
> Andy
>

6461. Re: [ham-antennas] lower height requirements for long wave (160M) bands?

Yahoo group: ham-antennas (2008)
Date: 2008-10-24 04:15:41 UTC
From: Steve
Topic: 6441 Message: 6461

hochman_97 wrote:
> I've been researching antenna configurations for 160M TX/RX and it
> looks like most require mounting the antenna pretty high up. I'm
> somewhat restricted in my ability to get a dipole (or other configs) up
> higher than ~30' or so. I realize that this is nowhere near 1/4
> wavelength of height at 160M, but I'm wondering if there's a way to
> setup the antenna to operate at a more "humble" height? I guess I
> could try a horizontal longwire configuration, but I'm not sure what
> the downside of a horizontal polarization to my signals would
> be...likely signal degradation I'm guessing. Although, I'm guessing a
> long dipole with radiators hung at 90deg to the feedline...up as high
> as possible might work if the radiator elements are 1/4 wavelength
> long, but I don't know how well that would work out. Has anyone heard
> of a usable/efficient lower band antenna that doesn't require hanging
> some element ~100' up in the air?
>
>
>
All I can say is use what you can get up. Anything that radiates a
signal is better than sitting and pondering "what if". You can put a
G5RV up at only 30' or so, higher is better, but it will work some. Get
on the air and have some fun.

Steve/WM5Z

6462. AW: [ham-antennas] efficient, easy to build or install dipole wire antenna that will cover 160-10

Yahoo group: ham-antennas (2008)
Date: 2008-10-24 11:39:23 UTC
From: Siegfried Jackstien
Topic: 6361 Message: 6462

dear dennis
i had great success with my fullsized topband loop .... if you have the space for it , you should try it
i work with it on ANY band ....
for 160 it is a cloud burner cause it is only 10-12m of the ground but on the higher bands it rocks :-)
i use abt. 168m of alluminium fence wire and windowline to feed it in the tuner i have a 1:9 balun homemade and for most of the bands i don´t need to use the tuner
just the balun switched in but tuner switched to off ....
i have abt 18m of windowline from the feedingpoint to my shack and another 20m that is hanging circular under the roof of my house
for 160 i use abt 38m of windowline to transform the feeding impedance to abt 450 ohms
for 80m i use abt 18m of windowline
for 40 i use sometimes the shorter and sometimes the longer run (depends on frequency)
....after that comes the balun to transform from 450 to 50 ohms
on the higher bands sometimes the longer sometimes the shorter run of windowline
swr is very very low on most of the bands
i made an excelsheet for my notes and if interrested i can load it in the file area
but you surely need the space to hang that huge antenna :-)
"if you have the space for a dipole you have also the space for a loop"
just take another piece of wire and close the ends of your dipole to form a loop
feedingpoint is over the roof of my house on a 6m tv mast with a pulley
one side is going in a tree at the end of my garden (60m)
and the other side is on a wodden pole abt 40m away from the house
the third side is between the wodden pole and the tree abt 70m
i tryed 3-4 days with diffent lenght of windowline and cut and try cut and try .....
but now i have an ALL-BAND-antenna that really works great
good luck on dxing
best 73´s de dg9bfc
sigi
-----Ursprüngliche Nachricht-----
Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]Im Auftrag von Dennis G. Peterson
Gesendet: Montag, 20. Oktober 2008 00:57
An: ham-antennas@yahoogroups.com
Betreff: [ham-antennas] efficient, easy to build or install dipole wire antenna that will cover 160-10

Hello every, I am new to this group. I need some expertise from someone who has built and used efficiently a dipole antenna.

I want to put up a dipole that will cover 160 meters thru 10 meters. I have limited space but do have two pine trees about 120 feet apart and a elm or maple that is off set but kind of centered between the pine trees. In the back yard, the yard is short but the trees and woods go back about a block or even more.

The problem I am having is getting the antenna up at least 30 feet or more. Prostate cancer and other medical issues are preventing me from throwing like I used to. I seem to be able to only throw about 20 feet up if that much.

I was absent from ham radio for almost 3 years and am just getting back on. My station consists of an ICOM 735 transceiver, an Astron RS20A power supply, an MFJ 949E Delux Versa Tuner II. I will be running only 100 watts.

MY FAVORITE BAND IS 160 METERS. I want to be able to use all bands and I have been looking at several manufactured antennas, but I have limited financial resources due to the medical issues.

I have enough 14 gauge insulated stranded wire and nylon cord to pull the antenna up and tie it off. I don't seem to be able to locate the 300 ohm twin lead as no one locally has heard of it. I think I would also need a balun at the bottom of the 300 ohm twin lead. Need to know who makes the best and most efficient one. I already have the coax cable from inside the shack to outside which is RG8x. However if I need to run the twin lead directly to the tuner I will have to modify somewhat which isn't a problem.

Sorry for the lengthy post

In Advance Thank You and 73s
de K0CKDennis

I can provide a photo of the limited space and would send the same if you correspond to my email address of dennisissure@...

[Non-text portions of this message have been removed]

6463. RE: [ham-antennas] Re: balum

Yahoo group: ham-antennas (2008)
Date: 2008-10-24 11:38:17 UTC
From: vtex477@comcast.net
Topic: 6399 Message: 6463

now that .... that is out of the way..how is everyone doing??? and thanks for pointing out that i did a missed spelled word.. lord forbid that some one messes up...

---------- Original message ----------
From: "Mike Besemer (WM4B)" <mwbesemer@...>
Me too!

WM4B

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of w8okn@...
Sent: Thursday, October 23, 2008 7:40 PM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Re: balum

I feel much better.

Thanks!
--
From the desk of W8OKN, northern Michigan

---- vtex477@... <mailto:vtex477%40comcast.net> wrote:
> let me do the right thing A BALUN..now is that better?? lol
>
> ---------- Original message ----------
> From: "Mike Besemer (WM4B)" <mwbesemer@... <mailto:mwbesemer%40cox.net> >
> We can use a little levity from time to time!
>
> de WM4B
>
> From: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
[mailto:ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>] On
> Behalf Of vtex477@... <mailto:vtex477%40comcast.net>
> Sent: Thursday, October 23, 2008 6:21 PM
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Subject: Re: [ham-antennas] Re: balum
>
> sorry spelled it wrong
>
> ---------- Original message ----------
> From: <w8okn@... <mailto:w8okn%40charter.net> <mailto:w8okn%40charter.net> >
> What is a balum?
> --
> From the desk of W8OKN, northern Michigan
>
> ---- vtex477@... <mailto:vtex477%40comcast.net> <mailto:vtex477%40comcast.net> wrote:

> > thanks bill i might try that...73 phil w1acc
> >
> > ---------- Original message ----------
> > From: "Bill" <wild_bill_yonder@... <mailto:wild_bill_yonder%40yahoo.com>
> <mailto:wild_bill_yonder%40yahoo.com> >
> > Glad you found the problem, Phil. That's always a good feeling. Now
> > here's the next thing...
> >
> > Some of the stuff I've read says that the choke is more effective if
> > the coil is wound flat around a form instead of bunched up. I think
> > 18' to 20' around a 4" dia piece of pvc is supposed to be good from
> > 160m to 10m, but do some research, I might be off in my recollection.
> > There is definitely plenty on the subject online.
> >
> > I actually took down my OCF and put up a 135' dipole in its place,
> > fed with 300 ohm twinlead. Great reports so far, but I'm limited to
> > pretty much a N-S orientation. I think I'm sending more signal toward
> > africa instead of europe. I'm sure working africa would be great, but
> > haven't heard much out of there. The OCF, when modeled, has some real
> > funny lobes getting some of the power toward europe, and with that
> > antenna I've worked 26 countries since Feb, with only a couple
> > outside of europe. I think my next experiment would be to put up the
> > OCF and feed with twinlead just to see how it works. The 4:1 would
> > then be at the shack, instead of at the feedpoint. I just looked up
> > online to see if anyone has tried that. Between that and some
> > thinking on the subject (it is actually feeding an "unbalanced"
> > antenna with a balanced transmission line) I'm pretty skeptical of
> > the results, but I will probably try it anyway. I'll try and post
> > results.
> >
> > Have fun!
> >
> > Bill KC2SUO
> >
> > --- In ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> <mailto:ham-antennas%40yahoogroups.com> , vtex477@... wrote:
> > >
> > > well i feel embarassed .all this time i was thinking that i got a
> > bad balum or i did something wrong...but not at all..it was the coax
> > cable for the tv in the shack.when we moved in a few months ago we
> > had cable hooked up the cable out sode from the pole to house is all
> > under ground going in to the base ment ..15 foot away i had them put
> > a 3 way spliter in so i can run cabel to my tv in the shack and the
> > shack tv coax ran right next to the 50 ohm to my windom..i un hook
> > the coax from the spliter transmited on 20-40-and 80 wile the xyl was
> > watching the tv up stairs .. went up ask if any thing happen well
> > lets just say she had all good words to say this time .. ez fix ..
> > but i think i will still put a ugly one in just to see what
> > happens ..73 all and thanks .. phil w1acc
> > >

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6464. Re: [ham-antennas] lower height requirements for long wave (160M) bands?

Yahoo group: ham-antennas (2008)
Date: 2008-10-24 13:05:44 UTC
From: Earl Needham
Topic: 6441 Message: 6464

Steve wrote:
> All I can say is use what you can get up. Anything that radiates a
> signal is better than sitting and pondering "what if". You can put a
> G5RV up at only 30' or so, higher is better, but it will work some. Get
> on the air and have some fun.
>
I gotta agree here -- my antenna is only 20 feet up and I have had some amazing contacts on 160 meters, and some outright spooky DX contacts on 80 meters that I never would have expected -- Ireland, England, France, Costa Rica, and even Ducie Island. Put something up as well as you can and remember -- "run what ya' brung"!

7 3
Earl

--
KD5XB -- Earl Needham
Clovis, New Mexico DM84jk
http://groups.yahoo.com/group/cw_bugs
Quoting from the Coast Guard: ZUT

6465. Re: [ham-antennas] Re: balum

Yahoo group: ham-antennas (2008)
Date: 2008-10-24 13:06:57 UTC
From: Earl Needham
Topic: 6399 Message: 6465

vtex477@... wrote:
> now that .... that is out of the way..how is everyone doing??? and thanks for pointing out that i did a missed spelled word.. lord forbid that some one messes up...
>
Just be glad you didn't post something to a railfan list -- those
guys will email you for two weeks or more to let you know you wrote one
letter wrong! <G>

7 3
Earl

--
KD5XB -- Earl Needham
Clovis, New Mexico DM84jk
http://groups.yahoo.com/group/cw_bugs
Quoting from the Coast Guard: ZUT

6466. Re: [ham-antennas] PVC plastic pipe strength and stability...

Yahoo group: ham-antennas (2008)
Date: 2008-10-24 14:23:53 UTC
From: yash@aol.com
Topic: 6449 Message: 6466

Consider using pvc pipe but only use sch. 80 pipe ,not sch 40 like found in home depot etc. would guess 3 to 4 times stronger.
dale wt4t

-----Original Message-----
From: hochman_97 <hochman_97@...>
To: ham-antennas@yahoogroups.com
Sent: Thu, 23 Oct 2008 3:28 pm
Subject: [ham-antennas] PVC plastic pipe strength and stability...

I was thinking about making an antenna with a long section of PVC pipe mounted on it's end (on the ground) pointing up to some height. The question I have is, does anyone have any experience with this stuff and know how tall such an arrangement can get before the top section becomes fairly "bendy" and wobbly/unstable? I experimented with some narrow diameter PVC pipe and it looked pretty unacceptable for any height above about 10'. I'm guessing bigger diameter pipes would work better, or possibly be just as bad...not sure.

[Non-text portions of this message have been removed]

6467. RE: [ham-antennas] PVC plastic pipe strength and stability...

Yahoo group: ham-antennas (2008)
Date: 2008-10-24 14:52:42 UTC
From: Kirk Morrison
Topic: 6449 Message: 6467

I have used schedule 80 but it needs guying generally for the smaller sizes at 15 to 20 foot here on our hill top in SC or an internal support works well also

Kirk

"He who has honor need not fear death."

Eva Marie LeGrand Morrison 5/24/1958-6/26/2008
KI4VFZ

My beloved wife, and my best friend, I miss you

To: ham-antennas@yahoogroups.com
From: yash@...
Date: Fri, 24 Oct 2008 10:23:53 -0400
Subject: Re: [ham-antennas] PVC plastic pipe strength and stability...

Consider using pvc pipe but only use sch. 80 pipe ,not sch 40 like found in home depot etc. would guess 3 to 4 times stronger.

dale wt4t

-----Original Message-----

From: hochman_97 <hochman_97@...>

To: ham-antennas@yahoogroups.com

Sent: Thu, 23 Oct 2008 3:28 pm

Subject: [ham-antennas] PVC plastic pipe strength and stability...

I was thinking about making an antenna with a long section of PVC pipe

mounted on it's end (on the ground) pointing up to some height. The

question I have is, does anyone have any experience with this stuff and

know how tall such an arrangement can get before the top section

becomes fairly "bendy" and wobbly/unstable? I experimented with some

narrow diameter PVC pipe and it looked pretty unacceptable for any

height above about 10'. I'm guessing bigger diameter pipes would work

better, or possibly be just as bad...not sure.

[Non-text portions of this message have been removed]

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http://windowslive.com/Explore/hotmail?ocid=TXT_TAGLM_WL_hotmail_102008

[Non-text portions of this message have been removed]

6468. Re: [ham-antennas] inexpensive, safe way (for radio) to check optimal SWR on a band?

Yahoo group: ham-antennas (2008)
Date: 2008-10-24 16:52:43 UTC
From: Andy
Topic: 6370 Message: 6468

I also wanted to add that, if an antenna has good SWR somewhere in a band, then in many cases it will be OK in that entire part of the band.

(That tends to be less true for shortened or compromise antennas which have sharper resonances.)

So yes, there is one frequency where the SWR is lowest, but if it remains low (say below 2:1 or 3:1) over the band, then you should be all set and don't need to worry about finding that one frequency where it is best.

An SWR meter is not a bad idea ... as long as you don't get fixated on it. Many hams do fine without SWR meters.

Andy

6469. Re: [ham-antennas] Re: balum

Yahoo group: ham-antennas (2008)
Date: 2008-10-24 17:55:06 UTC
From: vtex477@comcast.net
Topic: 6399 Message: 6469

hum i could get something going???xtra e-mail is alway is ok ..lol

---------- Original message ----------
From: Earl Needham <earl.kd5xb@...>
vtex477@... wrote:
> now that .... that is out of the way..how is everyone doing??? and thanks for pointing out that i did a missed spelled word.. lord forbid that some one messes up...
>
Just be glad you didn't post something to a railfan list -- those
guys will email you for two weeks or more to let you know you wrote one
letter wrong! <G>

7 3
Earl

--
KD5XB -- Earl Needham
Clovis, New Mexico DM84jk
http://groups.yahoo.com/group/cw_bugs
Quoting from the Coast Guard: ZUT

[Non-text portions of this message have been removed]

6470. Re: [ham-antennas] PVC plastic pipe strength and stability...

Yahoo group: ham-antennas (2008)
Date: 2008-10-24 19:47:46 UTC
From: jerry
Topic: 6449 Message: 6470

i have gone to 30 feet using pvc tubes by putting a piece of wood inside as a stiffener a 2 by 2 works well in a 2 inch tube , you doo not need to join them they only act to stiffen the pvc but you still need to guy them at least once or twice depending on the length

---
From: vaclav sal <vaclav_sal@...>
To: ham-antennas@yahoogroups.com
Sent: Thursday, October 23, 2008 3:39:10 PM
Subject: Re: [ham-antennas] PVC plastic pipe strength and stability...

Your are pretty close - 10 to 15 feet max with two PVC pipes telescoping.
The problem is that you have to use guy ropes in the middle of it to keep it from bowing.
I use surplus fiberglass cammo net poles available on e-bay and elsewhere.
Much stronger than PVC.
About 4 feet a section and six of them together are pretty self-supporting and with little luck will go higher.
AA7EJ Vaclav

--- On Thu, 10/23/08, hochman_97 <hochman_97@yahoo. com> wrote:

From: hochman_97 <hochman_97@yahoo. com>
Subject: [ham-antennas] PVC plastic pipe strength and stability...
To: ham-antennas@ yahoogroups. com
Date: Thursday, October 23, 2008, 3:28 PM

I was thinking about making an antenna with a long section of PVC pipe mounted on it's end (on the ground) pointing up to some height. The question I have is, does anyone have any experience with this stuff and know how tall such an arrangement can get before the top section becomes fairly "bendy" and wobbly/unstable? I experimented with some narrow diameter PVC pipe and it looked pretty unacceptable for any height above about 10'. I'm guessing bigger diameter pipes would work better, or possibly be just as bad...not sure.

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

6471. Re: [ham-antennas] inexpensive, safe way (for radio) to check optimal SWR on a band?

Yahoo group: ham-antennas (2008)
Date: 2008-10-24 21:36:39 UTC
From: Joe
Topic: 6370 Message: 6471

but at the same time don't forget if the swr is really good with little
change across the band look for losses. No antenna is truly wide.
except for a dummy load.

Andy wrote:

>I also wanted to add that, if an antenna has good SWR somewhere in a band,
>then in many cases it will be OK in that entire part of the band.
>
>(That tends to be less true for shortened or compromise antennas which have
>sharper resonances.)
>
>So yes, there is one frequency where the SWR is lowest, but if it remains
>low (say below 2:1 or 3:1) over the band, then you should be all set and
>don't need to worry about finding that one frequency where it is best.
>
>An SWR meter is not a bad idea ... as long as you don't get fixated on it.
>Many hams do fine without SWR meters.
>
>Andy
>
>
>
>----------
>
>HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 1446
members (as of 9/26/08, and attachments are NOT permitted.
>Post message: ham-antennas@yahoogroups.com
>Subscribe: ham-antennas-subscribe@yahoogroups.com
>Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
>List owner: ham-antennas-owner@yahoogroups.com
>Yahoo! Groups Links
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6472. Re: [ham-antennas] noise help

Yahoo group: ham-antennas (2008)
Date: 2008-10-25 02:06:11 UTC
From: Stan Labinsky Jr.
Topic: 6446 Message: 6472

Lee, just for chuckles, try reversing the meter leads. Since ohm meters actually measure voltage drop across, or current through the resistor under test, what you may be seeing is the effect of the voltage drop caused by the normal current drain to the vehicle's circuitry through that piece of wire.

Good hunting,

Stan

----- Original Message -----
From: Its from KE4VYN
To: undisclosed-recipients:
Sent: Thursday, October 23, 2008 6:02 PM
Subject: [ham-antennas] noise help

Hi guys,

Apologies if you cant see pics.

If you have a second for me to run a issue past ya.

I know noise is always a problem, but what I have done to get get a 'ground zero' like we used to do in tv stations
is run a piece of #6 copper from the battery to the antenna ground.

Like this. That way I have a direct run.

Then along the way I attach parts to 'Ground zero', like cab, frame, and tailpipes.

Then another attach at the frame/cab factory ground.

I read 2.3 ohms from this point to the inside of cab at radio chassis ground/antenna shield.

Now here is the weird part. going from battery to first point I get 9 ohms!!!!

I mean this first point is only 2 feet from the battery! Right behind the wheel.

Any ideas???
Got S7 noise with engine running and 0 with it off. Sounds like hash noise, not whine.

Lee

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

6473. Re: [ham-antennas] noise help

Yahoo group: ham-antennas (2008)
Date: 2008-10-25 04:52:35 UTC
From: Its from KE4VYN
Topic: 6446 Message: 6473

Yes, and as we know ohm meters act twiggy around other powers sources anyway.
were actually on to a couple of things, moving the coax to the other side away from the computer.
Also choking the DC supply line are the next steps.

We tried analyzing the noise and found it strongest at 5.6Mhz and 28.3Mhz. so wee going to bond the battery to 'ground zero' /frame, something that Ameritron flatly says not to do and go from there.

Noise is always a two part problem, figuring what noise it is and draining it to ground.

Why I love radio! (hack...hack...cough...cough...)

73
Lee
KE4VYN

----- Original Message -----
From: Stan Labinsky Jr.<mailto:stanbarb@...>
To: ham-antennas@yahoogroups.com<mailto:ham-antennas@yahoogroups.com>
Sent: Friday, October 24, 2008 9:06 PM
Subject: Re: [ham-antennas] noise help

Lee, just for chuckles, try reversing the meter leads. Since ohm meters actually measure voltage drop across, or current through the resistor under test, what you may be seeing is the effect of the voltage drop caused by the normal current drain to the vehicle's circuitry through that piece of wire.

Good hunting,

Stan

----- Original Message -----
From: Its from KE4VYN
To: undisclosed-recipients:
Sent: Thursday, October 23, 2008 6:02 PM
Subject: [ham-antennas] noise help

Hi guys,

Apologies if you cant see pics.

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is run a piece of #6 copper from the battery to the antenna ground.

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Lee

[Non-text portions of this message have been removed]

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[Non-text portions of this message have been removed]

6474. Re: PVC plastic pipe strength and stability...

Yahoo group: ham-antennas (2008)
Date: 2008-10-25 13:55:55 UTC
From: Scott Laughlin
Topic: 6449 Message: 6474

Another consideration...

Go to Lowe's or Home Depot and check the top railing of the wire fencing. They come in 10' sections. Two of them are pretty strong. A section of 1-1/4 inch pvc slips over it pretty tight. But you should probably slip in down two or three feet and then secure it with a couple of good metal screws. That would put you up about 26 feet.

It's not perfect, but it's a pretty sturdy get-you-by.

72 de Scott/n7net/qrp

--- In ham-antennas@yahoogroups.com, yash@... wrote:
>
> Consider using pvc pipe but only use sch. 80 pipe ,not sch 40 like
found in home depot etc. would guess 3 to 4 times stronger.
> dale wt4t
>
>
> -----Original Message-----
> From: hochman_97 <hochman_97@...>
> To: ham-antennas@yahoogroups.com
> Sent: Thu, 23 Oct 2008 3:28 pm
> Subject: [ham-antennas] PVC plastic pipe strength and stability...
>
>
>
>
>
>
> I was thinking about making an antenna with a long section of PVC
pipe
> mounted on it's end (on the ground) pointing up to some height. The
> question I have is, does anyone have any experience with this stuff
and
> know how tall such an arrangement can get before the top section
> becomes fairly "bendy" and wobbly/unstable? I experimented with
some
> narrow diameter PVC pipe and it looked pretty unacceptable for any
> height above about 10'. I'm guessing bigger diameter pipes would
work
> better, or possibly be just as bad...not sure.
>
>
>

>
>
>
> [Non-text portions of this message have been removed]
>

6475. Price recomendation, please

Yahoo group: ham-antennas (2008)
Date: 2008-10-25 14:25:42 UTC
From: Goran Hosinsky
Topic: 6475 Message: 6475

Hello,

I have a Triex T471 guyed crank up tower. It consists of four
6 meter sections for a total extended height of 21 meters.
Made ca 1980.

I want to sell this tower but I have no idea what price I should
ask. The tower is on La Palma island, Canary island group, but
a price in the US or UK will at least give me some guidance.

Thanks!
Goran, ea8yu

6476. Re: noise help

Yahoo group: ham-antennas (2008)
Date: 2008-10-25 18:01:34 UTC
From: catboat15@aol.com
Topic: 6446 Message: 6476

Yes, try reversing the leads to your ohm meter. Oxidized metal can act as a rectifier (I can remember when we used copper oxide plates in high power power supplies.)

**********A Good Credit Score is 700 or Above. See yours in just 2 easy steps!
(http://pr.atwola.com/promoclk/100000075x1211625659x1200715650/aol?redir=http://www.freecreditreport.com/pm/default.aspx?sc=668072&hmpgID=82&bcd=emailfooter)

[Non-text portions of this message have been removed]

6479. Re: PVC plastic pipe strength and stability...

Yahoo group: ham-antennas (2008)
Date: 2008-10-26 01:02:00 UTC
From: k9qb
Topic: 6449 Message: 6479

I successfully went up about 27' with sked 2 pcs sked 40 4" PVC and a 7' pc of 2" when I built a 15 m loop that just worked like a champ!

It would have been waaaayyy wobbly if I had not been able to brace it at 8' to my yard barn...I also guyed it at 20'.

However, I like my 35' mast made from 2" and 1-1/2" thin wall conduit much, much better...It is attached to my house at about 18' and has one guy countering the pull of my G5RV.

Mike, WA5PSE

--- In ham-antennas@yahoogroups.com, "hochman_97" <hochman_97@...> wrote:
>
> I was thinking about making an antenna with a long section of PVC pipe
> mounted on it's end (on the ground) pointing up to some height. The
> question I have is, does anyone have any experience with this stuff and
> know how tall such an arrangement can get before the top section
> becomes fairly "bendy" and wobbly/unstable? I experimented with some
> narrow diameter PVC pipe and it looked pretty unacceptable for any
> height above about 10'. I'm guessing bigger diameter pipes would work
> better, or possibly be just as bad...not sure.
>

6481. Re: [ham-antennas] Re: Metal prices

Yahoo group: ham-antennas (2008)
Date: 2008-10-26 01:31:21 UTC
From: vlincoln
Topic: 6477 Message: 6481

Sorry folks, this member ke4vyn is no longer with us.
van lincoln
moderator

At 01:22 10/26/2008, Steve/WM5Z wrote:

>Dave wrote:
> > And this has WHAT to do with "Ham-Antennas"?
> >
> >
> >
> >
> > --- In
> <mailto:ham-antennas%40yahoogroups.com>ham-antennas@yahoogroups.com,
> "Its from KE4VYN" <ke4vyn@...>
> > wrote:
> >
> >> Speaking of metal prices....3-4 year lows.
> >>
> >> Lee
> >> KE4VYN
> >>
> >>
> >>
> >>
> > _____
> > _____
> >
> >> PRECIOUS METALS REVIEW - OCTOBER 24, 2008
> >>
> >> In the precious metals markets this week . . .
> >>
> >> GOLD:
> >> Monex spot gold prices opened the week at $795 . . . traded as high
> >>
> > as $796 on Monday and as low as $698 on Friday . . . and the Monex AM
> > settlement price on Friday was $734, down $61 for the week. Gold
> > support is now anticipated at $727, then $689, and then $650 . . .
> > with resistance anticipated at $745, then $758, and then $792.
> >
> >> SILVER:
> >> Monex spot silver prices opened the week at $9.59 . . . traded as
> >>
> > high as $10.17 on Tuesday and as low as $8.79 on Friday . . . and the
> > Monex AM settlement price on Friday was $9.35, down $.24 for the

> > week. Silver support is now anticipated at $9.10, then $8.85, and
> > then $8.48 . . . and resistance anticipated at $9.33, then $9.72, and
> > then $10.18.
> >
> >> PLATINUM:
> >> Monex spot platinum prices opened the week at $886 . . . traded as
> >>
> > high as $895 on Monday and Tuesday and as low as $778 on Friday . . .
> > and the Monex AM settlement price on Friday was $807, down $79 for
> > the week. Platinum support is now anticipated at $785, then $758,
> > and then $686 . . . and resistance anticipated at $850, then $888,
> > and then $975.
> >
> >> PALLADIUM:
> >> Monex spot palladium prices opened the week at $179 . . . traded as
> >>
> > high as $185 on Tuesday and as low as $170 on Friday . . . and the
> > Monex AM settlement price on Friday was $173, down $6 for the week.
> > Palladium support is now anticipated at $165, then $158, and then
> > $143 . . . and resistance anticipated at $182.20, then $197.50 and
> > then $217.25.
> >
> >> QUOTES OF THE WEEK:
> >>
> >> From Alan Abelson, in his "Up & Down Wall Street" column in the
> >>
> > October 20th edition of Barron's:
> >
> >> "Like a house beginning to sag dangerously after the underpinnings
> >>
> > begin to give way, the economy is cracking across a wide front as the
> > collapse of credit takes its inexorable toll. The great consumer
> > spending binge, which for decades has been a mighty economic spur, is
> > over. Consumer confidence plunged to 57.5 this month from 70.3 in
> > September, the biggest drop and the lowest level since the University
> > of Michigan launched its sentiment index back in 1978.
> >
> >> More tangible evidence that Jane and John Q. are really feeling the
> >>
> > pain and hunkering down in earnest, was the sharp decline in
> > September retail sales to a three-year low. Nothing short of
> > horrendous is the latest bulletins on housing. Starts of single-
> > family homes in September plummeted 12% to still another 26-year
> > nadir. And building permits, a precursor for homebuilding, skidded
> > 8.3% to the lowest level since November 1981. And factory chimneys
> > across a broad swath of industries have started to emit dust instead
> > of smoke.
> >
> >> Those chronic optimists, who have become a bit more shy about
> >>

> > trilling their joyous notes in recent months, shrug off the downpour
> > of dismal data as 'old news.' Old, shmold, it hurts just the same,
> > and-you can bank on it - there's plenty more where that came from."
> >
> >> . . . and from Congressman Ron Paul, in his weekly "Texas Straight
> >>
> > Talk" column on his U.S. House of Representatives website on October
> > 20th:
> >
> >> "Even limited government has a basic duty to defend against force
> >>
> > and fraud. Some argue that force is somehow permissible just because
> > the entity engaging in it is "economically significant." But one
> > could use this reasoning to prop up slavery. It could be deemed
> > unfortunate but economically beneficial, and indeed these arguments
> > have been used historically to deprive people of their liberty. But
> > slavery should never be tolerated regardless of any economic benefit,
> > just as systemic fraud should not be tolerated. Some banks on Wall
> > Street should fail. Fannie and Freddie should fail. They are
> > perpetrating fraud against the people. Yet, government insists on
> > rewarding behavior which should instead be investigated, prosecuted,
> > and punished.
> >
> >> . . . and from Richard Russell, editor of Dow Theory Letters, in
> >>
> > remarks posted on his website on October 22nd:
> >
> >> "The US has been leveraging ever since World War II. We are now in
> >>
> > a massive deleveraging process. This will affect every nook and
> > cranny of the economy. We've been living in a prosperous world built
> > on leverage and debt. I believe what this bear market is about is
> > deleveraging and putting our economy back in a stable, conservative,
> > non-debt, non-leveraged state. Leverage and borrowing has allowed the
> > US to live beyond its means ever since WW II. That plus the world's
> > acceptance of US Federal Reserve Notes, which costs the US nothing to
> > create. What I'm afraid of is that this bear market will ultimately
> > attack the legitimacy and rationale of fiat money. That's when the
> > insurance and reality of gold will enter the picture."
> >
> >>
> >> This is not a recommendation to buy or sell.
> >>
> >>
> >> For the latest Precious Metals Prices go to:
> >>
> >
> <http://www.monex.com/monex/controller?pageid=prices>http://www.monex.com/monex/controll
er?pageid=prices<about:blank>
> >

> >> [Non-text portions of this message have been removed]
> >>
> >>
> >
> >
> >
> > ------------------------------------
> >
> > HAM ANTENNAS Anything and everything, tell us or ask questions.
> Replies go to ALL 1446 members (as of 9/26/08, and attachments are
> NOT permitted.
> > Post message:
> <mailto:ham-antennas%40yahoogroups.com>ham-antennas@yahoogroups.com
> > Subscribe:
> <mailto:ham-antennas-subscribe%40yahoogroups.com>ham-antennas-subscribe@yahoogroups.com
>
> > Unsubscribe:
> <mailto:ham-antennas-unsubscribe%40yahoogroups.com>ham-antennas-unsubscribe@yahoogroups.
com
>
> > List owner:
> <mailto:ham-antennas-owner%40yahoogroups.com>ham-antennas-owner@yahoogroups.com
>
> > Yahoo! Groups Links
> >
> >
> >
> >
> >
>In how much the materials cost to build rather than buy.
>
>Steve/WM5Z
>

[Non-text portions of this message have been removed]

6482. RE: [ham-antennas] Re: Metal prices

Yahoo group: ham-antennas (2008)
Date: 2008-10-26 01:59:16 UTC
From: Richard Schmuke
Topic: 6477 Message: 6482

It might have been a mistake , on another electronics based group someone made a statement about the price of copper, I replied he should check the price today as he was a few months behind and copper had dropped so the dollar amount for copper scrap would be lower. This looks like a follow up to that thread but in too much detail??? It was not from me.

Rich , KDØZZ

Disclaimer: Any errors in spelling or facts are transmission errors.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of vlincoln
Sent: Saturday, October 25, 2008 8:31 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: Metal prices

Sorry folks, this member ke4vyn is no longer with us.
van lincoln
moderator

At 01:22 10/26/2008, Steve/WM5Z wrote:

>Dave wrote:
> > And this has WHAT to do with "Ham-Antennas"?
> >
> >
> >

[Non-text portions of this message have been removed]

6483. Just joined the group -- Al / NN4ZZ

Yahoo group: ham-antennas (2008)
Date: 2008-10-26 12:50:36 UTC
From: Al Ludwick
Topic: 6483 Message: 6483

Hi to all,
Just found and joined the group this weekend. By way of introduction, I'm mostly an HF DXex and 100% cw op. Got started as a teenager (40+ yrs ago). I belong to FISTs and SKCC and the local DX club (SEDXC) in the Atlanta area.

Enjoy experimenting with antennas, towers, etc. (and if its' okay to mention, I also make TiltPlates for tiltover towers)

www.nn4zz.com

regards...Al

6484. RF in the shack-----IC-735 shuts down

Yahoo group: ham-antennas (2008)
Date: 2008-10-26 14:33:05 UTC
From: Dennis G. Peterson
Topic: 6484 Message: 6484

Okay guys, I hope I'm in he right place to ask these questions. Having been away from ham radio for 3 years wiith medical issues i.e. cancer; I need to find out why I am experiencing some of th issues I have with my new set up.

1 I installed a new antenna yesterday, Saturday Oct.25, 2008. There weren't very many choices to choose from due to various obstacles and interfering conditions. I finally was able to get a 135' wire to the top of a pine tree. This wire from the feed point to the top of the tree is 90' and then the horizontal part is 45' long and support some 80' away thru the top of another tree and the tie off line down so it can be removed or lowered etc, etc.

2 This 90' vertical wire is not exactly vertical. From the bottom of the tree to where the feed point is, it must be around 20 or 22'. In otherwords it rather slops itself for about 25 feetbefore going truly vertical. I don't think the angle or slope is any more than maybe 12 or 14 degrees at most.

3 The antenna is fed with coax(RG58). It is fed against a ground radial system consisting of 4 ground radials approximetely 30' long. Not much yrd space in the back yard for radials. I do plan to add some more later. The feed point is rather crude riht now until I can get a permanent feed. The coax is hard wired to the radials and antenna wire. And it is also connected to the ground rod of the station ground. (A) IS THIS CONNECTION CAUSING AN RF IN THE SHACK PROBLEM?

4 I can tune the antenna on any band and get the swr down and the antenna to resonate to nearly a perfect match on all bands as long as I USE ONLY 15 WATTS OF POWER. there are only a couple of bands where the swr or resonance is not nearly perfect, but 1.5:1 which is okay. If I attempt to more the RF power slider on the front of the 735 to max power of 100 watts, the 735 shuts down. When and while adjusting the tuner for resonance,I have touched the back side of the TX or antenna tuning knob and got bitten by RF. This is USING A mfj 949e TUNER which is supposed to handle 300 watts. The tuning is rather sharp and touchy as several adjustments have to be made to get it down. I have more time than I do MONET!

5 My favorite band of operation is 160 meters. I thought aout putting up a simple vee for 10-80; but knowig I wouldn't be happy I kept after possible alternatives, thus settling for the antenna I described. I guess I need to take a photo of the antenna with the angle of vertical orientation and the horizontal portion nd post it.

Can anyone suggest some areas I might check to fix or cure this problem, short of telling me to blow it up and start all over. I am starting over and it's not easy the second time around after fighting cancer and medical issues. I can only run 100 watts of power as I can't afford an amplifier. The 735 is a nice radio as is the 949E tuner. I just need to resolve what is probably going to be some simple issues that I have forgotten over my 33 year ham career.

Sorry for such a lengthy post, but short of not telling all; it's the only way I know of being throoughly explicit and detailed.

73s

de K0CKDennis

My cell number is 803-389-9366

My address is 326 East Jefferson Street
Apt 2
York, SC 29745-1904

6485. RE: [ham-antennas] RF in the shack-----IC-735 shuts down

Yahoo group: ham-antennas (2008)
Date: 2008-10-26 14:40:45 UTC
From: Kirk Morrison
Topic: 6484 Message: 6485

2 ideas come to mind right off, use a common mode choke as it sounds to me like you have current on the shield of the coax, the other is to use twin ohm feed line to reduce losses. Try the first idea and make about 8 turns of coax about 8 inches in diameter assuming RG 8X a bit bigger if RG 8 or 213 Add more radials if they half to be 8 footers use them and that should help SWR is not always a sign of radiation you can have a good SWR and all the energy heating the line if your junction point is just right, and make the feedline into a dummy load.

Kirk

"He who has honor need not fear death."

Eva Marie LeGrand Morrison 5/24/1958-6/26/2008

My beloved wife, and my best friend, I miss you

To: ham-antennas@yahoogroups.com
From: dennisissure@...
Date: Sun, 26 Oct 2008 14:33:05 +0000
Subject: [ham-antennas] RF in the shack-----IC-735 shuts down

Okay guys, I hope I'm in he right place to ask these questions.

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to the top of the tree is 90' and then the horizontal part is 45'

long and support some 80' away thru the top of another tree and the

tie off line down so it can be removed or lowered etc, etc.

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bottom of the tree to where the feed point is, it must be around 20

or 22'. In otherwords it rather slops itself for about 25 feetbefore

going truly vertical. I don't think the angle or slope is any more

than maybe 12 or 14 degrees at most.

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tuner. I just need to resolve what is probably going to be some

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Sorry for such a lengthy post, but short of not telling all; it's the

only way I know of being throoughly explicit and detailed.

73s

de K0CKDennis

My cell number is 803-389-9366

My address is 326 East Jefferson Street

Apt 2

York, SC 29745-1904

_____
You live life beyond your PC. So now Windows goes beyond your PC.
http://clk.atdmt.com/MRT/go/115298556/direct/01/

[Non-text portions of this message have been removed]

6486. Re: [ham-antennas] RF in the shack-----IC-735 shuts down

Yahoo group: ham-antennas (2008)
Date: 2008-10-26 15:59:50 UTC
From: Earl Needham
Topic: 6484 Message: 6486

Dennis G. Peterson wrote:
<snip>
> 4 I can tune the antenna on any band and get the swr down and the
> antenna to resonate to nearly a perfect match on all bands as long as
> I USE ONLY 15 WATTS OF POWER. there are only a couple of bands where
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> If I attempt to more the RF power slider on the front of the 735 to
> max power of 100 watts, the 735 shuts down. When and while adjusting
> the tuner for resonance,I have touched the back side of the TX or
> antenna tuning knob and got bitten by RF. This is USING A mfj 949e
> TUNER which is supposed to handle 300 watts. The tuning is rather
> sharp and touchy as several adjustments have to be made to get it
> down. I have more time than I do MONET!

Wow, I remember back in the early '80's I had similar problems and no
idea how to fix it -- the microphone on my Atlas 210X used to bite my
lip when using it at home with a low dipole!

My initial thought is to try coiling some of the coax to make a choke
for the shield. This is easy and FREE and sometimes it's all you need.
Do it close to the feedpoint. Good article with good pictures at
<http://www.hamuniverse.com/balun.html>

My second thought it ferrite beads to make a more effective choke --
see at
<http://www.dxengineering.com/Parts.asp?ID=289&PLID=182&SecID=89&DeptID=33&PartNo=DXE-CSB-
525P>

Just order up a set and try putting one of them on your coax near the
feedpoint. This has solved several problems for me when using HF mobile.

This company also has other sizes available -- see their search results
at
<http://www.dxengineering.com/Search.asp?Action=SrchKey&KeyWords=ferrite%20beads>
-- your RG58 will probably need a bit smaller bead, but I'm not sure
their smaller size will fit. You might end up using the larger size and
a couple of cable ties to hold them where you want them.

7 3
Earl
--
KD5XB -- Earl Needham
Clovis, New Mexico DM84jk
http://groups.yahoo.com/group/cw_bugs
Quoting from the Coast Guard: ZUT

6487. Re: [ham-antennas] RF in the shack-----IC-735 shuts down

Yahoo group: ham-antennas (2008)
Date: 2008-10-26 16:10:34 UTC
From: KE7JSL@tmo.blackberry.net
Topic: 6484 Message: 6487

>>
If I attempt to more the RF power slider on the front of the 735 to
max power of 100 watts, the 735 shuts down. When and while adjusting
the tuner for resonance,

Hello Dennis,

Just a question of why you are tunning the antenna with 100 watts? At that level the reflected power while tuning is probably is probably causing the rig to shut down to protect itself. Tuning at 10-20 watts and then switching to high power shouldnt effect the swr little if at all.

John
KE7JSL
Sent via BlackBerry from T-Mobile

6488. Re: RF in the shack-----IC-735 shuts down

Yahoo group: ham-antennas (2008)
Date: 2008-10-26 17:47:04 UTC
From: k9qb
Topic: 6484 Message: 6488

Hi Dennis,

You gave a lot of info about your antenna and set up but nothing
about your "station ground".

There's no way you should be getting bitten...not at 100 watts...Fix
that and I'm pretty sure your shutdown problem will go away too.

Several potential problems come to my mind...

1, your station ground set-up,
2, how the parts of you station are connected to your "station
ground",
3, is your station ground "bonded" to your service ground...
AND, there are other things that may come into play...

But, getting bitten while running no more than 100 watts...no way
that should be happening.

As the members of our local club know, I'm kind of a stickler
for "proper grounding AND BONDING!

Mike, WA5PSE

--- In ham-antennas@yahoogroups.com, "Dennis G. Peterson"
<dennisissure@...> wrote:
>
> Okay guys, I hope I'm in he right place to ask these questions.
> Having been away from ham radio for 3 years wiith medical issues
i.e.
> cancer; I need to find out why I am experiencing some of th issues
I
> have with my new set up.
>
> 1 I installed a new antenna yesterday, Saturday Oct.25, 2008.
> There weren't very many choices to choose from due to various
> obstacles and interfering conditions. I finally was able to get a
> 135' wire to the top of a pine tree. This wire from the feed
point
> to the top of the tree is 90' and then the horizontal part is 45'
> long and support some 80' away thru the top of another tree and
the
> tie off line down so it can be removed or lowered etc, etc.
>
> 2 This 90' vertical wire is not exactly vertical. From the
> bottom of the tree to where the feed point is, it must be around
20

> or 22'. In otherwords it rather slops itself for about 25
feetbefore
> going truly vertical. I don't think the angle or slope is any
more
> than maybe 12 or 14 degrees at most.
>
> 3 The antenna is fed with coax(RG58). It is fed against a
ground
> radial system consisting of 4 ground radials approximetely 30'
long.
> Not much yrd space in the back yard for radials. I do plan to add
> some more later. The feed point is rather crude riht now until I
can
> get a permanent feed. The coax is hard wired to the radials and
> antenna wire. And it is also connected to the ground rod of the
> station ground. (A) IS THIS CONNECTION CAUSING AN RF IN THE
SHACK
> PROBLEM?
>
> 4 I can tune the antenna on any band and get the swr down and
the
> antenna to resonate to nearly a perfect match on all bands as long
as
> I USE ONLY 15 WATTS OF POWER. there are only a couple of bands
where
> the swr or resonance is not nearly perfect, but 1.5:1 which is
okay.
> If I attempt to more the RF power slider on the front of the 735
to
> max power of 100 watts, the 735 shuts down. When and while
adjusting
> the tuner for resonance,I have touched the back side of the TX or
> antenna tuning knob and got bitten by RF. This is USING A mfj
949e
> TUNER which is supposed to handle 300 watts. The tuning is rather
> sharp and touchy as several adjustments have to be made to get it
> down. I have more time than I do MONET!
>
> 5 My favorite band of operation is 160 meters. I thought aout
> putting up a simple vee for 10-80; but knowig I wouldn't be happy
I
> kept after possible alternatives, thus settling for the antenna I
> described. I guess I need to take a photo of the antenna with the
> angle of vertical orientation and the horizontal portion nd post
it.
>
> Can anyone suggest some areas I might check to fix or cure this
> problem, short of telling me to blow it up and start all over. I
am
> starting over and it's not easy the second time around after

fighting
> cancer and medical issues. I can only run 100 watts of power as I
> can't afford an amplifier. The 735 is a nice radio as is the 949E
> tuner. I just need to resolve what is probably going to be some
> simple issues that I have forgotten over my 33 year ham career.
>
> Sorry for such a lengthy post, but short of not telling all; it's
the
> only way I know of being throoughly explicit and detailed.
>
> 73s
>
> de K0CKDennis
>
> My cell number is 803-389-9366
>
> My address is 326 East Jefferson Street
> Apt 2
> York, SC 29745-1904
>

6489. Re: [ham-antennas] RF in the shack-----IC-735 shuts down

Yahoo group: ham-antennas (2008)
Date: 2008-10-26 19:03:15 UTC
From: Its from KE4VYN
Topic: 6484 Message: 6489

are you using a switching power supply at 40m or 20m bands?

if so that may be the problem as those supplies have spikes at those frequencies.

----- Original Message -----
From: KE7JSL@...<mailto:KE7JSL@...>
To: ham-antennas@yahoogroups.com<mailto:ham-antennas@yahoogroups.com>
Sent: Sunday, October 26, 2008 11:10 AM
Subject: Re: [ham-antennas] RF in the shack-----IC-735 shuts down

>>
If I attempt to more the RF power slider on the front of the 735 to
max power of 100 watts, the 735 shuts down. When and while adjusting
the tuner for resonance,

Hello Dennis,

Just a question of why you are tunning the antenna with 100 watts? At that level the reflected power while tuning is probably is probably causing the rig to shut down to protect itself. Tuning at 10-20 watts and then switching to high power shouldnt effect the swr little if at all.

John
KE7JSL
Sent via BlackBerry from T-Mobile

[Non-text portions of this message have been removed]

6490. Re: [ham-antennas] Re: Metal prices

Yahoo group: ham-antennas (2008)
Date: 2008-10-26 19:14:04 UTC
From: Its from KE4VYN
Topic: 6477 Message: 6490

Thank you Richard. Because of a comment made be another ham the mods kicked me off of the group, even though I said, "SPEAKING OF METAL PRICES".

As these metals are the TOP in prices and SETS THE PRICES of the metals we do use, like Gold, Copper, Aluminum, ect...

I'm not going to blast this said ham for not READING MY WHOLE POST, but thank the mods for reinstating me here.

Just remember, if you don't understand something, READ THE WHOLE THING or just be quite as your remarks may cause grief to others.

----- Original Message -----
From: Richard Schmuke<mailto:rdj@...>
To: ham-antennas@yahoogroups.com<mailto:ham-antennas@yahoogroups.com>
Sent: Saturday, October 25, 2008 8:59 PM
Subject: RE: [ham-antennas] Re: Metal prices

It might have been a mistake , on another electronics based group someone made a statement about the price of copper, I replied he should check the price today as he was a few months behind and copper had dropped so the dollar amount for copper scrap would be lower. This looks like a follow up to that thread but in too much detail??? It was not from me.

Rich , KDØZZ

Disclaimer: Any errors in spelling or facts are transmission errors.

From: ham-antennas@yahoogroups.com<mailto:ham-antennas%40yahoogroups.com>
[mailto:ham-antennas@yahoogroups.com<mailto:ham-antennas%40yahoogroups.com>] On Behalf Of vlincoln
Sent: Saturday, October 25, 2008 8:31 PM
To: ham-antennas@yahoogroups.com<mailto:ham-antennas%40yahoogroups.com>
Subject: Re: [ham-antennas] Re: Metal prices

Sorry folks, this member ke4vyn is no longer with us.
van lincoln
moderator

At 01:22 10/26/2008, Steve/WM5Z wrote:

>Dave wrote:
> > And this has WHAT to do with "Ham-Antennas"?
> >
> >
> >

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

6491. Re: Metal prices

Yahoo group: ham-antennas (2008)
Date: 2008-10-26 20:14:39 UTC
From: catboat15@aol.com
Topic: 6477 Message: 6491

Good to know for gold plated antenna masts.
**********A Good Credit Score is 700 or Above. See yours in just 2 easy
steps!
(http://pr.atwola.com/promoclk/100000075x1211625659x1200715650/aol?redir=http://www.freecr
editreport.com/pm/default.aspx?sc=668072&hmpgID=82&bcd=emailf
ooter)

[Non-text portions of this message have been removed]

6492. Re: [ham-antennas] Re: Metal prices

Yahoo group: ham-antennas (2008)
Date: 2008-10-26 21:09:54 UTC
From: Its from KE4VYN
Topic: 6477 Message: 6492

Hey, if you can afford them. I like the platinum ones myself...

----- Original Message -----
From: catboat15@...<mailto:catboat15@...>
To: ham-antennas@yahoogroups.com<mailto:ham-antennas@yahoogroups.com>
Sent: Sunday, October 26, 2008 3:14 PM
Subject: [ham-antennas] Re: Metal prices

Good to know for gold plated antenna masts.
**********A Good Credit Score is 700 or Above. See yours in just 2 easy
steps!
(http://pr.atwola.com/promoclk/100000075x1211625659x1200715650/aol?redir=http://www.freecr
editreport.com/pm/default.aspx?sc=668072&hmpgID=82&bcd=emailf<http://pr.atwola.com/promocl
k/100000075x1211625659x1200715650/aol?redir=http://www.freecreditreport.com/pm/default.asp
x?sc=668072&hmpgID=82&bcd=emailf>
ooter)

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

6493. Okay, here goes some of the answers

Yahoo group: ham-antennas (2008)
Date: 2008-10-26 22:18:21 UTC
From: Dennis G. Peterson
Topic: 6493 Message: 6493

First of all, thanks to those of you who sent and answered some of the uestions.

1 The power supply is an Astron RS20A (NOT SWITCHING)
2 The station ground is a 10 foot length of RG-59 coax with the center conductor and shields shorted together and connected to each piece of equipment and exiting the shack via a 3/4 inch hole in the floor and then to the power company ELECTRICAL Ground
rod to connect the staion ground to. Hence, the ground radial system is connected via a 15' radial to the ground rod.
3 As for the 735 shutting down; while tuning with 15 watts of power and achieving resonance and then raising power to 100 watts, THIS is when the problems seem to occur.
4 I see many articles as to the diameter of the choke balun i.e. 2.5"-----3"-----4"-----and 5" PVC. Which one is best to use over the others? Does it have to be a perfect circle or oval? IS THE LENGTH CRITICAL AS FAR AS 20 FEET OF COAX?
5 Also, a correction of the swr measurements are as follows: 160ssb @ 1860 IS 1.4:1 AND the 80ssb @ 3850 is 2.0:1
6 Does ANYONE KNOW of the availability of a trouble shooting guide for the 735, most manufactures include this in their manuals, I don't seem to find one for the 735 unless it is in the service manual.
Thanks

Dennis

6494. Re: [ham-antennas] Okay, here goes some of the answers

Yahoo group: ham-antennas (2008)
Date: 2008-10-26 21:28:23 UTC
From: KE7JSL@tmo.blackberry.net
Topic: 6493 Message: 6494

Hello again Dennis,

Did that power supply work before with the 735? The reason I ask is that most of the 100 watt radios I have seen (dont know about 735) use 20-22amps @ 100 watts. Is anything else connected to the supply? I was told a 25 amp supply should be minimum for a 100 watt radio. Have you tried @ 50 watts and scaled up to see where the cutoff is? I'm just tring to eliminate the power supply.

John
KE7JSL

>>1 The power supply is an Astron RS20A (NOT SWITCHING)

Sent via BlackBerry from T-Mobile

6495. RE: [ham-antennas] Re: Metal prices

Yahoo group: ham-antennas (2008)
Date: 2008-10-26 22:45:06 UTC
From: Richard Schmuke
Topic: 6477 Message: 6495

Well the real question is it time to take down my J=Pole made from EMT and get it silver plated ?

Rich , KDØZZ

Disclaimer: Any errors in spelling or facts are transmission errors.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Its from KE4VYN
Sent: Sunday, October 26, 2008 2:14 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: Metal prices

Thank you Richard. Because of a comment made be another ham the mods kicked me off
of the group, even though I said, "SPEAKING OF METAL PRICES".

As these metals are the TOP in prices and SETS THE PRICES of the metals we do use,
like Gold, Copper, Aluminum, ect...

I'm not going to blast this said ham for not READING MY WHOLE POST, but thank the mods for
reinstating me here.

Just remember, if you don't understand something, READ THE WHOLE THING or just be quite
as your remarks may cause grief to others.

----- Original Message -----
From: Richard Schmuke<mailto:rdj@... <mailto:rdj%40wildblue.net> >
To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
<mailto:ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
>
Sent: Saturday, October 25, 2008 8:59 PM
Subject: RE: [ham-antennas] Re: Metal prices

It might have been a mistake , on another electronics based group someone made a statement about the price of copper, I replied he should check the price today as he was a few months behind and copper had dropped so the dollar amount for copper scrap would be lower. This looks like a follow up to that thread but in too much detail??? It was not from me.

Rich , KDØZZ

Disclaimer: Any errors in spelling or facts are transmission errors.

From: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
<mailto:ham-antennas%40yahoogroups.com> [mailto:ham-antennas@yahoogroups.com
<mailto:ham-antennas%40yahoogroups.com>
<mailto:ham-antennas%40yahoogroups.com>] On
Behalf Of vlincoln
Sent: Saturday, October 25, 2008 8:31 PM
To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
<mailto:ham-antennas%40yahoogroups.com>
Subject: Re: [ham-antennas] Re: Metal prices

Sorry folks, this member ke4vyn is no longer with us.
van lincoln
moderator

At 01:22 10/26/2008, Steve/WM5Z wrote:

>Dave wrote:
> > And this has WHAT to do with "Ham-Antennas"?
> >
> >
> >

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

6496. Loop Antennas

Yahoo group: ham-antennas (2008)
Date: 2008-10-26 23:43:17 UTC
From: kb8uum
Topic: 6496 Message: 6496

Guys,

I am new to the group and have a few questions. I just received an SGC 239 tuner from home and was wondering if anyone has tried any multiturn loop antennas with it? I can play around with a few different sizes, a 5x7 or 5x20. I have tried some end fed halfwaves, but no luck to date. Any other antenna suggestions are also welcome. Briefly, I am on the second floor of an apartment building with no balcony to work with or trees, etc, about six blocks from the White House. Looking forward to hearing from you.

Geoff, KB8UUM

6497. Re: Okay, here goes some of the answers

Yahoo group: ham-antennas (2008)
Date: 2008-10-26 23:58:21 UTC
From: k9qb
Topic: 6493 Message: 6497

--- In ham-antennas@yahoogroups.com, "Dennis G. Peterson"
<dennisissure@...> wrote:
>
> First of all, thanks to those of you who sent and answered some of
> the uestions.
>
> 1 The power supply is an Astron RS20A (NOT SWITCHING)

That's plenty power for a 100watt rig...

Yes, peak power will demand more current, but, nothing more than the
intermittent cpability of even mediocre 15 amp linear supplies...
I get the nonsense all the time that a 100 watt ssb rig needs a 25
amp supply...My 15 amp Icom supply handles my 746Pro just fine, even
on CW

Besides that, the power supply capability has no impact on getting
bitten on the back of your radio....

That brings up the next point...

> 2 The station ground is a 10 foot length of RG-59 coax with
> the center conductor and shields shorted together and
connected
> to each piece of equipment and exiting the shack via a 3/4
inch
> hole in the floor and then to the power company ELECTRICAL
> Ground
> rod to connect the staion ground to. Hence, the ground
radial

> system is connected via a 15' radial to the ground rod.
> 3 As for the 735 shutting down; while tuning with 15 watts of
> power and achieving resonance and then raising power to 100
> watts, THIS is when the problems seem to occur.
> 4 I see many articles as to the diameter of the choke balun
> i.e. 2.5"-----3"-----4"-----and 5" PVC. Which one is best
to
> use over the others? Does it have to be a perfect circle or
> oval? IS THE LENGTH CRITICAL AS FAR AS 20 FEET OF COAX?

Your ground/bond system is totally inadequate!

While you probably should use the #6 wire per NEC for your ground,
you will see much improvement over the "coax" ground with even a #10
solid wire.

And that still begs the question about how your equipment is bonded to your ground, and, also, very importantly, how you're bonded to your service ground.

I think if you get your "grounding" squared away, you won't have the "biting" problem anymore, and, that will probably take care of the shutting down issue.

Also, I would highly recommend NOT jacking your antenna tuning controls while running at full power...the resulting voltages and/or currents could easily trip the protection circuits of modern 100 watt rigs...

The transistorized rigs "want to see" 50 ohms RESISTIVE!...not 25 ohms reactive and not 200 ohms reactive.

> 5 Also, a correction of the swr measurements are as follows:
> 160ssb @ 1860 IS 1.4:1 AND the 80ssb @ 3850 is 2.0:1
> 6 Does ANYONE KNOW of the availability of a trouble shooting
> guide for the 735, most manufactures include this in
> their manuals, I don't seem to find one for the 735 unless
it
> is in the service manual.

The service manual may not address problems outside your rig!

Mike, WA5PSE

6498. TET 4 element tri-band beam

Yahoo group: ham-antennas (2008)
Date: 2008-10-27 02:29:56 UTC
From: Salvatn Army Ok Ark Hamblin
Topic: 6498 Message: 6498

TET 4 element triband HF beam (10-15-20)
Anyone ever heard of these?

Mark
AE5MH

[Non-text portions of this message have been removed]

6499. Re: [ham-antennas] TET 4 element tri-band beam

Yahoo group: ham-antennas (2008)
Date: 2008-10-27 03:19:21 UTC
From: paul glassman
Topic: 6498 Message: 6499

check this link

http://www.andrewscom.com.au/site-content-section-08-emtron.htm

--- Salvatn Army Ok Ark Hamblin <ae5mh@...>
wrote:

> TET 4 element triband HF beam (10-15-20)
> Anyone ever heard of these?
>
>
> Mark
> AE5MH
>
>
> [Non-text portions of this message have been
> removed]
>
>

Quantum materiae materietur marmota monax
si marmota monax materiam possit materiari?

6500. Re: TET 4 element tri-band beam

Yahoo group: ham-antennas (2008)
Date: 2008-10-27 13:32:35 UTC
From: kg6xf
Topic: 6498 Message: 6500

Hi Mark,

They used to be available in the USA a few years ago. I had the 3-el version and it worked fine, good VSWR on the three bands. Basically just like any other 3-band beam. Well constructed.

John

--- In ham-antennas@yahoogroups.com, paul glassman <highschooldiving@...> wrote:
>
> check this link
>
> http://www.andrewscom.com.au/site-content-section-08-emtron.htm
>
>
>
> --- Salvatn Army Ok Ark Hamblin <ae5mh@...>
> wrote:
>
> > TET 4 element triband HF beam (10-15-20)
> > Anyone ever heard of these?
> >
> >
> > Mark
> > AE5MH
> >
> >
> > [Non-text portions of this message have been
> > removed]
> >
> >
>
>
> Quantum materiae materietur marmota monax
> si marmota monax materiam possit materiari?
>

6501. Yeah! I got my first vertical...now I've got a question about 'tuning' it..

Yahoo group: ham-antennas (2008)
Date: 2008-10-27 22:43:22 UTC
From: hochman_97
Topic: 6501 Message: 6501

OK, so over the weekend I picked up a Hustler 6BTV vertical. I read some really good reviews about this antenna which convinced me to give it a try. Anyhow, now the question I have regards tuning it...I've read that, in general sometimes it's necessary to use grinders and hack-saws to shorten elements of antennas to get them into resonance at a preferred location within the bands. I'm wondering if this is absolutely necessary in most cases? I'm wondering because it's possible that I'll want to use the antenna in several locations and possibly need to retune it over time..and a hack-saw/grinder seems like a fairly permanent modification to the hardware. Also, since I've read that the ground radial arrangement can affect tuning as well I don't want to do anything permanent (READ: non-recoverable) to the antenna. Thanks.

6502. RE: [ham-antennas] Yeah! I got my first vertical...now I've got a question about 'tuning' it..

Yahoo group: ham-antennas (2008)
Date: 2008-10-27 22:51:12 UTC
From: Marty Bluhm
Topic: 6501 Message: 6502

No NO NO NO DO DO REPEAT DO NOT NOT NOT CUT. Go to the DX Engineering website and they have an outstanding step by step instructions for tuning your Hustler. It is very simple. Please do not cut your antenna.

73
Marty
W8AKS

-----Original Message-----
From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]On Behalf Of hochman_97
Sent: Monday, October 27, 2008 22:43
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Yeah! I got my first vertical...now I've got a question about 'tuning' it..

OK, so over the weekend I picked up a Hustler 6BTV vertical. I read some really good reviews about this antenna which convinced me to give it a try. Anyhow, now the question I have regards tuning it...I've read that, in general sometimes it's necessary to use grinders and hack-saws to shorten elements of antennas to get them into resonance at a preferred location within the bands. I'm wondering if this is absolutely necessary in most cases? I'm wondering because it's possible that I'll want to use the antenna in several locations and possibly need to retune it over time..and a hack-saw/grinder seems like a fairly permanent modification to the hardware. Also, since I've read that the ground radial arrangement can affect tuning as well I don't want to do anything permanent (READ: non-recoverable) to the antenna. Thanks.

[Non-text portions of this message have been removed]

6503. RE: [ham-antennas] Yeah! I got my first vertical...now I've got a question about 'tuning' it..

Yahoo group: ham-antennas (2008)
Date: 2008-10-27 23:06:04 UTC
From: dave@zievid.com
Topic: 6501 Message: 6503

The basic instructions on tuning Huster antennas are at:

http://www.dxengineering.com/pdf/hustler_4btv5btv_instl.pdf

Here's the interesting part - if you can't get it to tune well with the given dimensions and a bit of adjusting, you may need to calibrate the traps. This is done by loosening the lower clamp previously where they told you "do not loosen". Try the first methods first, however. These additional instructions are:

http://www.dxengineering.com/pdf/Tuning%20the%20Hustler%20BTV%202008.pdf

I had to do this to get my 5BTV to resonate when it was mounted over a metal barn roof with minimal radials. Make very small adjustments - a little goes a long way.

Hope this helps,
-Dave
W6OT

> No NO NO NO DO DO REPEAT DO NOT NOT NOT CUT. Go to the DX Engineering
> website and they have an outstanding step by step instructions for tuning
> your Hustler. It is very simple. Please do not cut your antenna.
>
> 73
> Marty
> W8AKS
>
> -----Original Message-----
> From: ham-antennas@yahoogroups.com
> [mailto:ham-antennas@yahoogroups.com]On
> Behalf Of hochman_97
> Sent: Monday, October 27, 2008 22:43
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] Yeah! I got my first vertical...now I've got a
> question about 'tuning' it..
>
>
> OK, so over the weekend I picked up a Hustler 6BTV vertical. I read
> some really good reviews about this antenna which convinced me to give
> it a try. Anyhow, now the question I have regards tuning it...I've
> read that, in general sometimes it's necessary to use grinders and hack-
> saws to shorten elements of antennas to get them into resonance at a
> preferred location within the bands. I'm wondering if this is
> absolutely necessary in most cases? I'm wondering because it's

> possible that I'll want to use the antenna in several locations and
> possibly need to retune it over time..and a hack-saw/grinder seems like
> a fairly permanent modification to the hardware. Also, since I've read
> that the ground radial arrangement can affect tuning as well I don't
> want to do anything permanent (READ: non-recoverable) to the antenna.
> Thanks.
>
>
>
>
>
>
> [Non-text portions of this message have been removed]
>
>

6504. Octagonal Beam

Yahoo group: ham-antennas (2008)
Date: 2008-10-27 23:21:50 UTC
From: john baker
Topic: 6504 Message: 6504

Hi guys,
New to the group and looking forward to trying some new things.
Some 8-10 years ago I remember reading about a quad or box antenna having at least 3 elements. Each element was shaped like an iron cross, or the outline thereof. This was supposed to be a variation of an 6 or 8 sided element design that had been proven but this particular shape was to make the overall size much more compact. In the area I have to place a tower, I remember thinking that this looked ideal to keep from encroaching over the fence to my neighbors yard.

Problem is, I can't find a clue as to the plans for this antenna. I have googled myself stupid. Can't think of any other descriptions to use for a search. I thought I saw it in QST magazine. Can't find that issue...or remember which it is. Does anyone happen to know of or remember such a design?

thanks
73
jb
kg6biw

6505. Re: [ham-antennas] Octagonal Beam

Yahoo group: ham-antennas (2008)
Date: 2008-10-27 23:59:20 UTC
From: Harold Burton
Topic: 6504 Message: 6505

Try the URL below. It's for compact quads, at least one of which is shaped like a Maltese Cross.

http://my-radioclub.net/data/anteny/pfeiffer_quad.pdf

Harold
KD5SAK

----- Original Message -----
From: "john baker" <xjjb4x4@...>
To: <ham-antennas@yahoogroups.com>
Sent: Monday, October 27, 2008 6:21 PM
Subject: [ham-antennas] Octagonal Beam

> Hi guys,
> New to the group and looking forward to trying some new things.
> Some 8-10 years ago I remember reading about a quad or box antenna
> having at least 3 elements. Each element was shaped like an iron
> cross, or the outline thereof. This was supposed to be a variation of
> an 6 or 8 sided element design that had been proven but this
> particular shape was to make the overall size much more compact. In
> the area I have to place a tower, I remember thinking that this looked
> ideal to keep from encroaching over the fence to my neighbors yard.
>
> Problem is, I can't find a clue as to the plans for this antenna. I
> have googled myself stupid. Can't think of any other descriptions to
> use for a search. I thought I saw it in QST magazine. Can't find
> that issue...or remember which it is. Does anyone happen to know of
> or remember such a design?
>
> thanks
> 73
> jb
> kg6biw
>

6506. can you use an antenna tuner and an SWR meter?

Yahoo group: ham-antennas (2008)
Date: 2008-10-28 00:24:32 UTC
From: hochman_97
Topic: 6506 Message: 6506

I'm wondering if I can use this setup?

radio <-> antenna tuner <-> SWR meter <-> antenna

Basically I want to ensure that my radio never sees a bad SWR while I'm tuning my antenna. I know, fairly paranoid...but I want to be kind to my radio's transistors =)

I know the conventional way to do this is probably...

radio <-> SWR meter <-> antenna

and then rely on the radio's rollback circuit if the SWR is too out of spec. Oh yes, by the way...does anyone have any experience with feedline current chokes, how is this different from the recommendation in the manual to use several coax turns at the base of the antenna?

6507. free antenna in Jacksonville, fl

Yahoo group: ham-antennas (2008)
Date: 2008-10-28 00:38:37 UTC
From: VICKI ACOSTA
Topic: 6507 Message: 6507

My father was a ham operator for many years and has about a 100 antenna which I would be willing to give to anyone in your group if you can remove it this week.

6508. Re: [ham-antennas] can you use an antenna tuner and an SWR meter?

Yahoo group: ham-antennas (2008)
Date: 2008-10-28 01:03:22 UTC
From: Troy Wideman
Topic: 6506 Message: 6508

Use :
radio--SWR meter--"antenna tuner"--antenna.

From: "hochman_97" <hochman_97@...>
Sent: Monday, October 27, 2008 5:24 PM
To: <ham-antennas@yahoogroups.com>
Subject: [ham-antennas] can you use an antenna tuner and an SWR meter?

>
> I'm wondering if I can use this setup?
>
> radio <-> antenna tuner <-> SWR meter <-> antenna-----------no
>
>
> Basically I want to ensure that my radio never sees a bad SWR while I'm
> tuning my antenna. I know, fairly paranoid...but I want to be kind to
> my radio's transistors =)
>
> I know the conventional way to do this is probably...
>
> radio <-> SWR meter <-> antenna
>
> and then rely on the radio's rollback circuit if the SWR is too out of
> spec. Oh yes, by the way...does anyone have any experience with
> feedline current chokes, how is this different from the recommendation
> in the manual to use several coax turns at the base of the antenna?
>
>
> ---
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
> to ALL 1446 members (as of 9/26/08, and attachments are NOT permitted.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>

6509. Re: [ham-antennas] can you use an antenna tuner and an SWR meter?

Yahoo group: ham-antennas (2008)
Date: 2008-10-28 01:22:09 UTC
From: Chris
Topic: 6506 Message: 6509

Nope, not for what you want at least

Radio-swr-tuner-antenna

The swr bridge there will tell you if you have matched the rig to the antenna with the tuner/coupler.

Most rigs and tuners have an swr meter in them though.

Also, you should be tuning with very little power anyway. Once matched, turn up and go.

Never work a rig intentionally into a bad mismatch either, it's just plain foolish. Protection circuitry is there to prevent accidental damage, not to increase the number of lid operators ;-).
-----Original Message-----
From: "hochman_97" <hochman_97@...>

Date: Tue, 28 Oct 2008 00:24:32
To: <ham-antennas@yahoogroups.com>
Subject: [ham-antennas] can you use an antenna tuner and an SWR meter?

I'm wondering if I can use this setup?

radio <-> antenna tuner <-> SWR meter <-> antenna

Basically I want to ensure that my radio never sees a bad SWR while I'm tuning my antenna. I know, fairly paranoid...but I want to be kind to my radio's transistors =)

I know the conventional way to do this is probably...

radio <-> SWR meter <-> antenna

and then rely on the radio's rollback circuit if the SWR is too out of spec. Oh yes, by the way...does anyone have any experience with feedline current chokes, how is this different from the recommendation in the manual to use several coax turns at the base of the antenna?

[Non-text portions of this message have been removed]

6510. Re: [ham-antennas] can you use an antenna tuner and an SWR meter?

Yahoo group: ham-antennas (2008)
Date: 2008-10-28 02:08:44 UTC
From: Steve/WM5Z
Topic: 6506 Message: 6510

hochman_97 wrote:
> I'm wondering if I can use this setup?
>
> radio <-> antenna tuner <-> SWR meter <-> antenna
>
>
> Basically I want to ensure that my radio never sees a bad SWR while I'm
> tuning my antenna. I know, fairly paranoid...but I want to be kind to
> my radio's transistors =)
>
> I know the conventional way to do this is probably...
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> radio <-> SWR meter <-> antenna
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> and then rely on the radio's rollback circuit if the SWR is too out of
> spec. Oh yes, by the way...does anyone have any experience with
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>
>
> ----------
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> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
>
>
Yea, but the SWR meter will be telling you the VSWR of the coax/antenna,
and not what the radio is seeing. If the antenna tuner has a built in
SWR meter, then sure, why not? but if you need to know what the radio is
seeing, then move the meter between the radio and the tuner.

Steve/WM5Z

6511. Re: can you use an antenna tuner and an SWR meter?

Yahoo group: ham-antennas (2008)
Date: 2008-10-28 03:31:30 UTC
From: hochman_97
Topic: 6506 Message: 6511

Hi Steve,

But isn't this what I'm looking for? I mean I need to know the VSWR of the coax/antenna (since I'm assuming the tuner will try to make the radio think it sees a good SWR ~1-1.5 even if I'm trying to tune a rock). What I really want to do is figure out if the antenna/coax system is setup correctly to radiate RF in the freq/band of interest.

-Jeff

--- In ham-antennas@yahoogroups.com, Steve/WM5Z <wm5z@...> wrote:

> Yea, but the SWR meter will be telling you the VSWR of the coax/antenna,
> and not what the radio is seeing. If the antenna tuner has a built in
> SWR meter, then sure, why not? but if you need to know what the radio is
> seeing, then move the meter between the radio and the tuner.
>
> Steve/WM5Z

6512. Re: [ham-antennas] Re: can you use an antenna tuner and an SWR meter?

Yahoo group: ham-antennas (2008)
Date: 2008-10-28 05:15:53 UTC
From: Steve/WM5Z
Topic: 6506 Message: 6512

hochman_97 wrote:
> Hi Steve,
>
> But isn't this what I'm looking for? I mean I need to know the VSWR
> of the coax/antenna (since I'm assuming the tuner will try to make the
> radio think it sees a good SWR ~1-1.5 even if I'm trying to tune a
> rock). What I really want to do is figure out if the antenna/coax
> system is setup correctly to radiate RF in the freq/band of interest.
>
> -Jeff
>
> --- In ham-antennas@yahoogroups.com, Steve/WM5Z <wm5z@...> wrote:
>
>
>> Yea, but the SWR meter will be telling you the VSWR of the
>>
> coax/antenna,
>
>> and not what the radio is seeing. If the antenna tuner has a built in
>> SWR meter, then sure, why not? but if you need to know what the
>>
> radio is
>
>> seeing, then move the meter between the radio and the tuner.
>>
>> Steve/WM5Z
>>
>
>
> ------------------------------------
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members (as of 9/26/08, and attachments are NOT permitted.
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> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
>
>
Well, sort of. What the "tuner" is doing is fooling the radio into

thinking it sees a 50 ohm load. The antenna tuner adds either inductive or capacitive reactance to the network, which consists of your antenna and the feed line, to compensate for whatever is missing. If you system has capacitive reactance, then inductive reactance is added to trick the radio into seeing the proper load and visa versa. So, you do need to know what the radio is seeing. But, if your match box has a built in SWR meter, or if the radio has one, then adding one after the tuner, in line with the feed line doesn't hurt. It will tell you a couple of things that you might want to know. If weather effects a change in your network, the tuner would mask this, but having an SWR meter between the tuner and the coax going to the antenna is a good idea. It will show you just how much SWR is changing due to weather. It also might alert you if there is a sudden change in your system such as wind damage. I have had a problem with big birds (wild guineas hens) wanting to perch on my wire antenna. These birds weigh about 10 pounds (5 kilo) each, and a flock of 4 or 5 will sit up there at times. They have broken the wire a couple of times. If I had an SWR meter after the tuner, I would know when this happens again. My antenna tuner is an automatic, so I don't get a visual indication of where the knobs are.

Steve/WM5Z

[Non-text portions of this message have been removed]

6513. Re: free antenna in Jacksonville, fl

Yahoo group: ham-antennas (2008)
Date: 2008-10-28 13:49:56 UTC
From: Wade
Topic: 6507 Message: 6513

Please call me at 904-318-2096. I live in Jacksonville and can help spread the word locally so that you can get the antenna down.

Wade
K4WMN

--- In ham-antennas@yahoogroups.com, VICKI ACOSTA <v_jag@...> wrote:
>
> My father was a ham operator for many years and has about a 100 antenna which I would be willing to give to anyone in your group if you can remove it this week.
>

6514. B&W 370-10

Yahoo group: ham-antennas (2008)
Date: 2008-10-28 14:37:49 UTC
From: n1kfc
Topic: 6514 Message: 6514

Hi,

I picked up one of these old antennas in good shape, except for the whip. The antenna is similar in appearance to the MFJ Balcony antenna but uses a variety of user selectable coils rather than a tuner.

Does anyone have any info about this antenna? B&W no longer makes this antenna. I also would like to source a replacement whip or adapt an MFJ whip for the purpose: from 3/8 x 24 to the post on the B&W. Any information would be appreciated.

73,
Mark
N1KFC

6515. Not doing so good

Yahoo group: ham-antennas (2008)
Date: 2008-10-28 15:03:14 UTC
From: dennisissure
Topic: 6515 Message: 6515

Over the weekend I put up a Marconi type vertical antenna. It was pulled to a height in a pine tree of 90 feet. The antenna has a total length of 129 or 130 feet with the remaining 49 feet horizontal at 90 feet.

It is fed at the bottom with coax to a rather modest small ground radial system and 1 quarter wave radial about 130 feet long stretched out through the woods at the back of the property line.

I guess I was hoping for a miracle of sorts when the antenna was installed so I could operate all band 10-160 meters and preferably 160. The equipment here is an IC-735 transceiver powered by an Astron RS-20A Power Supply. The 735 has an output of 100 watts. The tuner is a MFJ 949E Delux Versa Tuner II.

I am only able and capable of running this type of equipment right now due to other reasons. The problems at hand seem to be minor, but due to the medical issues over the past 3 years; I might not have a clear thinking mind these days so I am asking for some advice. Here are some of the issues

1 The transceiver shuts down if power is over 50 watts and the SWR is high--------I assume some sort of protection device in the 735 if swr exceeds 1.8:1 or 2.0:1 SWR limikts

2 While adjusting the Transmit and Antenna controls on the tuner during transmit, if I accidentally touch the back side of the know which is metal I will get an RF bite and you can literally smell the skin burn LOL :>(

3 The station ground is a piece of RG58 coax with the shield and center conductor shorted together and run thru the floor and out to the electrical ground rod at the service entrance about 8 or 10 feet away. This coax is connected to each piece of transmitting gear, i.e. 735 and 949E.

4 I can tune the antenna by adjusting the 735 for an output of 15 watts and adjust the controls for resonance on various bands which I will show below.

5 Even with only 15 watts, I interfere with my girlfriends lamp in the bedroom and her tv as well, and the neighbors tv in the adjoining duplex. I have never haed a RF problem in 33 years like the one I am having now. I am going to try a different electrrical ground system for the radio gear and see if this helps. It seems to do this on all bands I try to operate on or adjust for resonance.

949E tuner caps are each 200pf caps fully meshed and the Inductor is a 2.5 or 3" diameter tapped coil with the bottom of the coil grounded and labeled clockwise A thru L. L being the tap farthest away from the ground end of the coil. In this tuner, A is on the bottom of the coil and L is near the top. Other tuners were different and the inductance switch showed a 180 degree opposition to this but that was earlier 949 models i.e. b,c and d

models. The 949E does have an 8 position switch a 300 watt dummy load and a 4:1 balan for ladder line feed antennas and an end fed antenna. I don't have 450 ohm ladder line and I haven't been able to find 300 ohn open tv twin lead to try balanced feed anywhere due to financial limitations.
No one around here seems to not have heard of it. I don't know how much I could afford if I did find it new and or used.

The settings below in BLUE are those readings taken upon initial testing of the antenna without a quarter wave counterpoise added.
The setting in BOLD are the new values after adding the counterpoise.

Spread Sheet of Ant. vs Tuner setting and results 10-25-2008

Band Frequency TXc L Antenna SWR after tuning
==========
160cw 1.833 5 3.5 A A 3 4.25 1.1:1-----15 watts 1.9:1 can't tune any lower for resonance
160ssb 1.860 5 3.5 A A 3 4.75 1.4:1 " " 1.0:1

80ssb 3.850 7 7 C C 5 4 2.0.1 " " 2.1:1 won't tune any lower here or even at 3.750 cw

40ssb 7.235 6 6 H H 3.5 4 1.0:1 " " 1.0:1

60ssb 5.371.0 8 6.5 E F 5 3.15 1.1:1 " " 1.3:1
60ssb 5.403.5 8 E 5 1.1:1 " "

30cw 10.100 6.5 H 4 1.0:1 " "

20ssb 14.251 6.5 8 K J 0 5 1.0:1 " " 1.6:1

17ssb 17.900 4 G 3 1.0:1 " "

15ssb 21.325 7.5 7 K K 3 3.5 1.0:1 " " 1.1:1

10ssb 27.900 7 I 3.5 1.0:1 " "
10FM 29.600 8 K 4 1.1:1 " "

The best way I can describe this antenna is as follows until I take a photo of it. Imagine a 90 foot pine tree. A 139 foot piece of 14 gauge stranded insulated wire pulled over the top with the remaining 49 feet pulled horizontal with an end insulator attached and nylon cord tied off to another pine tree. The bottom of the 139' wire which tapers away from the tree at about a 12 degree angle and 20 +/- feet away and fed with a piece of RG58 coax with the center conductor connected to the 14 gauge wire and the shield connected to the counterpoise antenna. I disconnected the small 4 or 5 short 15-20' ground radials. I was trying to find a software design, drawing program that I could possibly use but most are expensive and many of my ham programs that I had on a desk top PC were lost a few months back during a hard drive crash. Lots of programs I paid for now trashed.

If someone can tell me where I am neglecting to see why this antenna is not working, please reply. I know it has to be simple or I'm just blinder than I think.

Starting over isn't the easiest task after being a ham for over 33 years and especially after going thru a medical life changing experience. But who says life is easy RIGHT>!

Looking forward to solutions, relosutions, fixes or whatever. Thank for listening, evaluating and assisting me in this venture.

73's for now

de K0CKDennis

Dennis G. Peterson
326 East Jefferson Street
Apt 2
York, SC 29745
803-389-9366

See my URL story below and other -- URLstories

http://www.yananow.net/Mentors/DennisD.htm

http://www.lawyersandsettlements.com/case/veteran_medical_malpractice.html

---

No virus found in this outgoing message.
Checked by AVG - http://www.avg.com
Version: 8.0.175 / Virus Database: 270.8.4/1752 - Release Date: 10/28/2008 10:04 AM

[Non-text portions of this message have been removed]

6516. Re: [ham-antennas] Not doing so good

Yahoo group: ham-antennas (2008)
Date: 2008-10-28 16:11:17 UTC
From: Stan Labinsky Jr.
Topic: 6515 Message: 6516

Dennis, probably the simplest fix would be to add a 1:1 balun at the antenna end of the cable, since you're relating all the symptoms of "RF on the shield".

It could even be one of the ugly baluns, a solenoid of coax, the dimensions for which can be found by Googling "ugly balun for 160".

As regards the station ground; suggest that you connect the shield of the coax directly to the ground rod before it enters you home... and add another ground rod ten plus feet away from the power co's rod (more is preferable). Better to shunt any lightning energy to ground before it has a chance to enter your house rather than having it flow through the equipment on its way to earth. But no, that will probably not help with the RF biting your fingers.

Good hunting,

Stan

----- Original Message -----
From: dennisissure
To: ham-antennas@yahoogroups.com
Sent: Tuesday, October 28, 2008 11:03 AM
Subject: [ham-antennas] Not doing so good

Over the weekend I put up a Marconi type vertical antenna. It was pulled to a height in a pine tree of 90 feet. The antenna has a total length of 129 or 130 feet with the remaining 49 feet horizontal at 90 feet.

It is fed at the bottom with coax to a rather modest small ground radial system and 1 quarter wave radial about 130 feet long stretched out through the woods at the back of the property line.

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[Non-text portions of this message have been removed]

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6517. Re: [ham-antennas] Not doing so good

Yahoo group: ham-antennas (2008)
Date: 2008-10-28 16:32:56 UTC
From: Mike Check
Topic: 6515 Message: 6517

"swr exceeds 1.8:1 or 2.0:1"
I would think that this rig could take these levels. Maybe RF coming back?

On Tue, Oct 28, 2008 at 11:11 AM, Stan Labinsky Jr. <
stanbarb@...> wrote:

> Dennis, probably the simplest fix would be to add a 1:1 balun at the
> antenna end of the cable, since you're relating all the symptoms of "RF on
> the shield".
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> It could even be one of the ugly baluns, a solenoid of coax, the dimensions
> for which can be found by Googling "ugly balun for 160".
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> fingers.
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> Good hunting,
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> Stan
>
>
> ----- Original Message -----
> From: dennisissure
> To: ham-antennas@yahoogroups.com <ham-antennas%40yahoogroups.com>
> Sent: Tuesday, October 28, 2008 11:03 AM
> Subject: [ham-antennas] Not doing so good
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> here is an IC-735 transceiver powered by an Astron RS-20A Power Supply. The
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> conductor shorted together and run thru the floor and out to the electrical
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> connected to each piece of transmitting gear, i.e. 735 and 949E.
>
> 4 I can tune the antenna by adjusting the 735 for an output of 15 watts and
> adjust the controls for resonance on various bands which I will show below.
>
> 5 Even with only 15 watts, I interfere with my girlfriends lamp in the
> bedroom and her tv as well, and the neighbors tv in the adjoining duplex. I
> have never haed a RF problem in 33 years like the one I am having now. I am
> going to try a different electrrical ground system for the radio gear and
> see if this helps. It seems to do this on all bands I try to operate on or
> adjust for resonance.
> ----------
>
> 949E tuner caps are each 200pf caps fully meshed and the Inductor is a 2.5
> or 3" diameter tapped coil with the bottom of the coil grounded and labeled
> clockwise A thru L. L being the tap farthest away from the ground end of the
> coil. In this tuner, A is on the bottom of the coil and L is near the top.
> Other tuners were different and the inductance switch showed a 180 degree
> opposition to this but that was earlier 949 models i.e. b,c and d models.
> The 949E does have an 8 position switch a 300 watt dummy load and a 4:1
> balan for ladder line feed antennas and an end fed antenna. I don't have 450
> ohm ladder line and I haven't been able to find 300 ohn open tv twin lead to
> try balanced feed anywhere due to financial limitations.
> No one around here seems to not have heard of it. I don't know how much I
> could afford if I did find it new and or used.
>
> The settings below in BLUE are those readings taken upon initial testing of
> the antenna without a quarter wave counterpoise added.
> The setting in BOLD are the new values after adding the counterpoise.
>
> Spread Sheet of Ant. vs Tuner setting and results 10-25-2008
>
> Band Frequency TXc L Antenna SWR after tuning

> ==========
> 160cw 1.833 5 3.5 A A 3 4.25 1.1:1-----15 watts 1.9:1 can't tune any lower
> for resonance
> 160ssb 1.860 5 3.5 A A 3 4.75 1.4:1 " " 1.0:1
>
> 80ssb 3.850 7 7 C C 5 4 2.0.1 " " 2.1:1 won't tune any lower here or even
> at 3.750 cw
>
> 40ssb 7.235 6 6 H H 3.5 4 1.0:1 " " 1.0:1
>
> 60ssb 5.371.0 8 6.5 E F 5 3.15 1.1:1 " " 1.3:1
> 60ssb 5.403.5 8 E 5 1.1:1 " "
>
> 30cw 10.100 6.5 H 4 1.0:1 " "
>
> 20ssb 14.251 6.5 8 K J 0 5 1.0:1 " " 1.6:1
>
> 17ssb 17.900 4 G 3 1.0:1 " "
>
> 15ssb 21.325 7.5 7 K K 3 3.5 1.0:1 " " 1.1:1
>
> 10ssb 27.900 7 I 3.5 1.0:1 " "
> 10FM 29.600 8 K 4 1.1:1 " "
>
> The best way I can describe this antenna is as follows until I take a photo
> of it. Imagine a 90 foot pine tree. A 139 foot piece of 14 gauge stranded
> insulated wire pulled over the top with the remaining 49 feet pulled
> horizontal with an end insulator attached and nylon cord tied off to another
> pine tree. The bottom of the 139' wire which tapers away from the tree at
> about a 12 degree angle and 20 +/- feet away and fed with a piece of RG58
> coax with the center conductor connected to the 14 gauge wire and the shield
> connected to the counterpoise antenna. I disconnected the small 4 or 5 short
> 15-20' ground radials. I was trying to find a software design, drawing
> program that I could possibly use but most are expensive and many of my ham
> programs that I had on a desk top PC were lost a few months back during a
> hard drive crash. Lots of programs I paid for now trashed.
>
> If someone can tell me where I am neglecting to see why this antenna is not
> working, please reply. I know it has to be simple or I'm just blinder than I
> think.
>
> Starting over isn't the easiest task after being a ham for over 33 years
> and especially after going thru a medical life changing experience. But who
> says life is easy RIGHT>!
>
> Looking forward to solutions, relosutions, fixes or whatever. Thank for
> listening, evaluating and assisting me in this venture.
>
> 73's for now
>

> de K0CKDennis
>
> Dennis G. Peterson
> 326 East Jefferson Street
> Apt 2
> York, SC 29745
> 803-389-9366
>
> See my URL story below and other -- URLstories
>
> http://www.yananow.net/Mentors/DennisD.htm
>
> http://www.lawyersandsettlements.com/case/veteran_medical_malpractice.html
>
> ----------
>
> ----------
>
> No virus found in this outgoing message.
> Checked by AVG - http://www.avg.com
> Version: 8.0.175 / Virus Database: 270.8.4/1752 - Release Date: 10/28/2008
> 10:04 AM
>
> ----------
>
> [Non-text portions of this message have been removed]
>
> [Non-text portions of this message have been removed]
>
>
>

[Non-text portions of this message have been removed]

6518. Re: [ham-antennas] Re: can you use an antenna tuner and an SWR meter?

Yahoo group: ham-antennas (2008)
Date: 2008-10-28 18:25:12 UTC
From: Andy
Topic: 6506 Message: 6518

> But isn't this what I'm looking for? I mean I need to know the VSWR
> of the coax/antenna (since I'm assuming the tuner will try to make the
> radio think it sees a good SWR ~1-1.5 even if I'm trying to tune a
> rock). What I really want to do is figure out if the antenna/coax
> system is setup correctly to radiate RF in the freq/band of interest.

The antenna tuner will make a low SWR *only* if it it adjusted correctly.

If it is a manual antenna tuner, you must have an SWR meter on the radio side of the antenna tuner, so you can tell how to adjust it for lowest SWR. If it is an auto-tuner then it *probably* will find the sweet spot giving the lowest SWR, and then you could assume that the radio indeed sees a good SWR. If your biggest concern is protecting your radio, then you ought to have an SWR meter on the radio side of the antenna tuner.

If the antenna tuner's losses are low, and if the coax losses are low, then when the radio sees a low SWR, it will be able to deliver the most power to the antenna. If the antenna's losses are also low, then the power that goes into the antenna will radiate from the antenna rather than turning to heat. It doesn't make a bit of difference what the SWR is at the antenna. SWR is a somewhat meaningless measurement anyway, since all it is saying is what the impedance is relative to a reference impedance, usually 50 ohms. Well, if your antenna is an endfed halfwave and is supposed to have a feedpoint impedance in the kilohms, then the SWR with a 50-ohm SWR meter at the feedpoint will be very poor. But such an antenna probably functions very nicely, if you match to it. High SWR at the antenna does not say anything about how well the antenna radiates.

As for antenna losses, if the antenna heats up, then it has losses. Antenna losses tend to make an antenna's SWR lower too. This can be a problem with verticals with buried radials where there aren't enough radials; the ground resistance (which is part of the antenna system resistance) is significant so a lot of the power goes into heating the ground and not "getting out."

> What the "tuner" is doing is fooling the radio into
> thinking it sees a 50 ohm load.

What it does is actually *give* the radio a 50 ohm load. It doesn't fool the radio. The radio really sees a 50 ohm load.

A transformer is one form of antenna tuner (though not an adjustable one). If an antenna has a 300 ohm feedpoint impedance, and a transformer exactly transforms the 300 ohms to 50 ohms, then it provides a perfect match to the rig. There is no fooling involved.

> Oh yes, by the way...does anyone have any experience with
> feedline current chokes, how is this different from the recommendation
> in the manual to use several coax turns at the base of the antenna?

They both do pretty much the same thing. Ferrite chokes can give you a greater common-mode impedance than you can get with an air-wound coil made from several coax turns.

Regards,
Andy

6519. Re: [ham-antennas] B&W 370-10

Yahoo group: ham-antennas (2008)
Date: 2008-10-28 18:32:15 UTC
From: Andy
Topic: 6514 Message: 6519

> Does anyone have any info about this antenna? B&W no longer makes
> this antenna.

I can't say ... but I thought B&W also sold lots of antenna parts. Have you checked with them to see if they have any parts for that model that they may be able to sell you? Or maybe just a manual or some information about it, so you can cut yourself a new whip.

Andy

6520. Re: Yeah! I got my first vertical...now I've got a question about 'tuning' it..

Yahoo group: ham-antennas (2008)
Date: 2008-10-28 19:22:17 UTC
From: mike cox
Topic: 6501 Message: 6520

-Hi
I had a 6-btv until recently. It worked fine follow the instructions
by DX eng like the other post say and NO cutting please. Mine was
ground mounted with no radials only sold it due to wife wanting to
landscape the garden , things we do for women !

Mike G8HUA

-- In ham-antennas@...m, dave@... wrote:
>
> The basic instructions on tuning Huster antennas are at:
>
> http://www.dxengineering.com/pdf/hustler_4btv5btv_instl.pdf
>
> Here's the interesting part - if you can't get it to tune well with the
> given dimensions and a bit of adjusting, you may need to calibrate the
> traps. This is done by loosening the lower clamp previously where they
> told you "do not loosen". Try the first methods first, however. These
> additional instructions are:
>
> http://www.dxengineering.com/pdf/Tuning%20the%20Hustler%20BTV%202008.pdf
>
> I had to do this to get my 5BTV to resonate when it was mounted over a
> metal barn roof with minimal radials. Make very small adjustments - a
> little goes a long way.
>
> Hope this helps,
> -Dave
> W6OT
>
>
> > No NO NO NO DO DO REPEAT DO NOT NOT NOT CUT. Go to the DX Engineering
> > website and they have an outstanding step by step instructions for
tuning
> > your Hustler. It is very simple. Please do not cut your antenna.
> >
> > 73
> > Marty
> > W8AKS
> >
> > -----Original Message-----
> > From: ham-antennas@yahoogroups.com
> > [mailto:ham-antennas@yahoogroups.com]On
> > Behalf Of hochman_97
> > Sent: Monday, October 27, 2008 22:43

> > To: ham-antennas@yahoogroups.com
> > Subject: [ham-antennas] Yeah! I got my first vertical...now I've
got a
> > question about 'tuning' it..
> >
> >
> > OK, so over the weekend I picked up a Hustler 6BTV vertical. I read
> > some really good reviews about this antenna which convinced me
to give
> > it a try. Anyhow, now the question I have regards tuning it...I've
> > read that, in general sometimes it's necessary to use grinders
and hack-
> > saws to shorten elements of antennas to get them into resonance at a
> > preferred location within the bands. I'm wondering if this is
> > absolutely necessary in most cases? I'm wondering because it's
> > possible that I'll want to use the antenna in several locations and
> > possibly need to retune it over time..and a hack-saw/grinder
seems like
> > a fairly permanent modification to the hardware. Also, since
I've read
> > that the ground radial arrangement can affect tuning as well I don't
> > want to do anything permanent (READ: non-recoverable) to the
antenna.
> > Thanks.
> >
> >
> >
> >
> >
> >
> > [Non-text portions of this message have been removed]
> >
> >
>

6521. Re: [ham-antennas] Re: Yeah! I got my first vertical...now I've got a question about 'tuning' it..

Yahoo group: ham-antennas (2008)
Date: 2008-10-28 19:53:29 UTC
From: James - KB7TBT
Topic: 6501 Message: 6521

I got one of these too. My other half (thank god she is a ham too) uses it
to hold up the tomato plants!

James
KB7TBT
NEGARC Activities Manager
www.kb7tbt.com
www.ne4ga.org
www.myspace.com/kb7tbt

> -Hi
> I had a 6-btv until recently. It worked fine follow the instructions
> by DX eng like the other post say and NO cutting please. Mine was
> ground mounted with no radials only sold it due to wife wanting to
> landscape the garden , things we do for women !
>
> Mike G8HUA
>

6523. Re: [ham-antennas] Re: Okay, here goes some of the answers

Yahoo group: ham-antennas (2008)
Date: 2008-10-28 21:44:32 UTC
From: Earl Needham
Topic: 6493 Message: 6523

k9qb wrote:
> --- In ham-antennas@yahoogroups.com, "Dennis G. Peterson"
> <dennisissure@...> wrote:
>> First of all, thanks to those of you who sent and answered some of
>> the uestions.
>>
>> 1 The power supply is an Astron RS20A (NOT SWITCHING)
>
> That's plenty power for a 100watt rig...
>
> Yes, peak power will demand more current, but, nothing more than the
> intermittent cpability of even mediocre 15 amp linear supplies...
> I get the nonsense all the time that a 100 watt ssb rig needs a 25
> amp supply...My 15 amp Icom supply handles my 746Pro just fine, even
> on CW

Exactly correct -- I used an RS-20S for many years on all my radios --
TS-430S, Yaesu FT-690R2, Icom 706, etc. Worked just fine.

7 3
Earl

--
KD5XB -- Earl Needham
Clovis, New Mexico DM84jk
http://groups.yahoo.com/group/cw_bugs
Quoting from the Coast Guard: ZUT

6524. Re: [ham-antennas] Re: Yeah! I got my first vertical...now I've got a question about 'tuning' it..

Yahoo group: ham-antennas (2008)
Date: 2008-10-29 02:48:14 UTC
From: k9ttt@comcast.net
Topic: 6501 Message: 6524

DO NOT CUT!

Every one before my post is correct. I can't say it enough DO NOT CUT (or grind). I worked DXCC phone, cw, mixed, and two single bands with that antenna.. It will do you well. When doing my usual summer tune this year, I got brave.....decided to improve my 80M tip. HA! I tried grinding it (what did I just say?) to 3775~3800. It is now resonant at somewhere near 3900 Lesson learned: DO NOT CUT
Dale K8TS

[Non-text portions of this message have been removed]

6525. Re: B&W 370-10

Yahoo group: ham-antennas (2008)
Date: 2008-10-29 12:43:07 UTC
From: n1kfc
Topic: 6514 Message: 6525

Hi Andy,

Thanx for the reply. Apparently, the antenna is too old and B&W does not have any info about it or parts. I did find a copy of a service manual available for sale on another site but I think that it would be unlikely to have info about the whip. Unless I can find someone with a B&W whip in their junkbox, I will probably have to adapt a 3/8 x 24 threaded whip to the smooth post on the antenna mount. Thanx again for the response.

73,
Mark
N1KFC

--- In ham-antennas@yahoogroups.com, Andy <Andy.groups@...> wrote:
>
> > Does anyone have any info about this antenna? B&W no longer makes
> > this antenna.
>
> I can't say ... but I thought B&W also sold lots of antenna parts.
Have you
> checked with them to see if they have any parts for that model that
they may
> be able to sell you? Or maybe just a manual or some information
about it,
> so you can cut yourself a new whip.
>
> Andy
>

6526. Re: [ham-antennas] Re: B&W 370-10

Yahoo group: ham-antennas (2008)
Date: 2008-10-29 14:21:25 UTC
From: Ted Horishny
Topic: 6514 Message: 6526

Mark,
I had on of those in the early 80's. The whip was a replacement auto whip that would go over a snapped auto antenna stub securing with set screws. It was designed for a 5/8 or 1/4 inch rod and was about 4' long. Loading coils were Miniductor stock for 20,15 and 10 meters and a large coil wound on a fiberglass form with magnet wire for 40. All slipped over the lexan rod. A marked 32 foot cpoise wire was supplied. You mounted the antenna and adjusted the counterpoise for lowest swr. It didn't work more than it did. B&W came out with a single coil on a pvc form that was clipped and marketed as the AP10.
Ted WT2G

[Non-text portions of this message have been removed]

6527. Re: [ham-antennas] Re: B&W 370-10

Yahoo group: ham-antennas (2008)
Date: 2008-10-29 14:17:08 UTC
From: van lincoln
Topic: 6514 Message: 6527

model airplane hobby shops have piano wire (stiff, small diameter) to
make whips from up to about 3 feet long inexpensively
wd8aam

At 07:43 AM 10/29/2008, you wrote:

>Hi Andy,
>
>Thanx for the reply. Apparently, the antenna is too old and B&W does
>not have any info about it or parts. I did find a copy of a service
>manual available for sale on another site but I think that it would be
>unlikely to have info about the whip. Unless I can find someone with
>a B&W whip in their junkbox, I will probably have to adapt a 3/8 x 24
>threaded whip to the smooth post on the antenna mount. Thanx again
>for the response.
>
>73,
>Mark
>N1KFC
>
>--- In
><mailto:ham-antennas%40yahoogroups.com>ham-antennas@yahoogroups.com,
>Andy <Andy.groups@...> wrote:
> >
> > > Does anyone have any info about this antenna? B&W no longer makes
> > > this antenna.
> >
> > I can't say ... but I thought B&W also sold lots of antenna parts.
>Have you
> > checked with them to see if they have any parts for that model that
>they may
> > be able to sell you? Or maybe just a manual or some information
>about it,
> > so you can cut yourself a new whip.
> >
> > Andy
> >
>
>

[Non-text portions of this message have been removed]

6528. WAS: Octagonal Beam, NOW: Maltese Quad

Yahoo group: ham-antennas (2008)
Date: 2008-10-29 15:54:55 UTC
From: john baker
Topic: 6504 Message: 6528

YES!! Thank you Harold!! That's it. Never thought of the word 'maltese' to use for a search. Nothing else I tried brought me to anything that I recognized.

Has anyone played around with these designs? The maltese cross configuration is the one that really interests me. I have a space of 12 ft for a side yard and, with the double-cross design and a tower next to the house, I should be able to put a 40 meter beam there without having it cross over the fenceline. If it all adds up..WooHoo! =) That is really going to help get into the Grants Pass to QSO with my Dad (ka7swi). It is at a distance where my verticle just won't do well on 20, 40 or 80 meters (sometimes on 40, very rarely on 20, more consistant but barely on 80)

Next step is to find a nice used collapsible tower. Word of anything in the Bakersfield area?

God bless
73
jb
kg6biw

--- In ham-antennas@yahoogroups.com, "Harold Burton" <kd5sak@...>
wrote:
>
> Try the URL below. It's for compact quads, at least one of which is
shaped
> like a Maltese Cross.
>
> http://my-radioclub.net/data/anteny/pfeiffer_quad.pdf
>
> Harold
> KD5SAK
>
>
>

6529. Re: [ham-antennas] Re: B&W 370-10

Yahoo group: ham-antennas (2008)
Date: 2008-10-29 16:56:22 UTC
From: Harold Burton
Topic: 6514 Message: 6529

Lost the ball off a whip tip recently and replaced it with a teardrop shaped
piece of 2 part epoxy putty. I suggest that for a piano wire whip also.The
one I tried worked well and might save an eye.(G)

Harold
KD5SAK

----- Original Message ----- From: "van lincoln" <vlincoln@...>
To: <ham-antennas@yahoogroups.com>
Sent: Wednesday, October 29, 2008 9:17 AM
Subject: Re: [ham-antennas] Re: B&W 370-10

> model airplane hobby shops have piano wire (stiff, small diameter) to
> make whips from up to about 3 feet long inexpensively
> wd8aam
>
> At 07:43 AM 10/29/2008, you wrote:
>
>>Hi Andy,
>>
>>Thanx for the reply. Apparently, the antenna is too old and B&W does
>>not have any info about it or parts. I did find a copy of a service
>>manual available for sale on another site but I think that it would be
>>unlikely to have info about the whip. Unless I can find someone with
>>a B&W whip in their junkbox, I will probably have to adapt a 3/8 x 24
>>threaded whip to the smooth post on the antenna mount. Thanx again
>>for the response.
>>
>>73,
>>Mark
>>N1KFC
>>
>>--- In
>><mailto:ham-antennas%40yahoogroups.com>ham-antennas@yahoogroups.com,
>>Andy <Andy.groups@...> wrote:
>> >
>> > > Does anyone have any info about this antenna? B&W no longer makes
>> > > this antenna.
>> >
>> > I can't say ... but I thought B&W also sold lots of antenna parts.
>>Have you
>> > checked with them to see if they have any parts for that model that
>>they may
>> > be able to sell you? Or maybe just a manual or some information
>>about it,
>> > so you can cut yourself a new whip.

>> >
>> > Andy
>> >
>>
>>
>
>
> [Non-text portions of this message have been removed]
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
> to ALL 1446 members (as of 9/26/08, and attachments are NOT permitted.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>

6530. Antenna Directionality???

Yahoo group: ham-antennas (2008)
Date: 2008-10-29 19:44:10 UTC
From: sward1961
Topic: 6530 Message: 6530

I'm in the process of making a multiband long-wire antenna for receiving only. Once assembled, I have the option of either stringing it baciscally in a north-south or east-west direction.

I would prefer to increase my reception basically from the east-west direction since I live in the central US. Should I string it in the north-south direction or the east-west direction to increase my reception from the east and west?

Any input will be appreciated.

BRGDS
sward
DFW, TX

6531. Re: [ham-antennas] Antenna Directionality???

Yahoo group: ham-antennas (2008)
Date: 2008-10-29 19:57:31 UTC
From: Its from KE4VYN
Topic: 6530 Message: 6531

height is going to be the first issue. If its up 100 feet high, then you might think about which way to point it. To answer your question though, wires are 'BASICALLY' omni directional
below 1 wavelength in height.

If you just must have a answer, run it N/S. As yet you have to say what you want to do, (i.e. DX, ragchew, local hop, WAS nets).

Or just ground both ends and when you figure out what is wrong you will have questions one would expect from a general class Ham operator.

This is about experimentation, NOT someone giving you answers you should be able to figure out.

Hate if I hurt your feelings.

Lee
KE4VYN

----- Original Message -----
From: sward1961<mailto:sward1961@...>
To: ham-antennas@yahoogroups.com<mailto:ham-antennas@yahoogroups.com>
Sent: Wednesday, October 29, 2008 2:44 PM
Subject: [ham-antennas] Antenna Directionality???

I'm in the process of making a multiband long-wire antenna for receiving only. Once assembled, I have the option of either stringing it baciscally in a north-south or east-west direction.

I would prefer to increase my reception basically from the east-west direction since I live in the central US. Should I string it in the north-south direction or the east-west direction to increase my reception from the east and west?

Any input will be appreciated.

BRGDS
sward
DFW, TX

[Non-text portions of this message have been removed]

6532. Re: Antenna Directionality???

Yahoo group: ham-antennas (2008)
Date: 2008-10-29 20:03:26 UTC
From: Richard Zolla
Topic: 6530 Message: 6532

Back off Lee,

Rick N6NKN

>
> Or just ground both ends and when you figure out what is wrong you
will have questions
> one would expect from a general class Ham operator.
>
> This is about experimentation, NOT someone giving you answers you
should be able to
> figure out.

>
>
>
>
>
> [Non-text portions of this message have been removed]
>

6533. Re: [ham-antennas] Re: Antenna Directionality???

Yahoo group: ham-antennas (2008)
Date: 2008-10-29 20:26:13 UTC
From: Its from KE4VYN
Topic: 6530 Message: 6533

yea, your right.

----- Original Message -----
From: Richard Zolla<mailto:N6NKN@...>
To: ham-antennas@yahoogroups.com<mailto:ham-antennas@yahoogroups.com>
Sent: Wednesday, October 29, 2008 3:03 PM
Subject: [ham-antennas] Re: Antenna Directionality???

Back off Lee,

Rick N6NKN

>
> Or just ground both ends and when you figure out what is wrong you
will have questions
> one would expect from a general class Ham operator.
>
> This is about experimentation, NOT someone giving you answers you
should be able to
> figure out.

>
>
>
>
>
> [Non-text portions of this message have been removed]
>

[Non-text portions of this message have been removed]

6534. Re: can you use an antenna tuner and an SWR meter?

Yahoo group: ham-antennas (2008)
Date: 2008-10-29 20:38:01 UTC
From: Rick
Topic: 6506 Message: 6534

If you want to make sure the antenna is setup properly, then you really don't need a tuner. If you setup the antenna right, the swr will be low without a tuner. If you want all band operation with one antenna then do away with the coax and use ladder line and the tuner and as long as the tuner will match it to the radio you will get out just fine ! BUt agin, if you are using a coax fed antenna then skip the tuner and adjust the antenna to resonance if you are worried about it being setup properly.
73
Rick
KC8AON

But isn't this what I'm looking for? I mean I need to know the VSWR of the coax/antenna (since I'm assuming the tuner will try to make the radio think it sees a good SWR ~1-1.5 even if I'm trying to tune a rock). What I really want to do is figure out if the antenna/coax system is setup correctly to radiate RF in the freq/band of interest.

6535. Re: [ham-antennas] Re: Antenna Directionality???

Yahoo group: ham-antennas (2008)
Date: 2008-10-29 20:45:12 UTC
From: KE5PIQ
Topic: 6530 Message: 6535

I thought this was a place to get help and not have to put up with the north end of a south bound mule. Do we share our knowledge or do just drop out of this group and experiment on our own .
Craig KE5PIQ
May GOD Bless

On Wed, Oct 29, 2008 at 3:26 PM, Its from KE4VYN <ke4vyn@...> wrote:
> yea, your right.
>
>
> ----- Original Message -----
> From: Richard Zolla<mailto:N6NKN@...>
> To: ham-antennas@yahoogroups.com<mailto:ham-antennas@yahoogroups.com>
> Sent: Wednesday, October 29, 2008 3:03 PM
> Subject: [ham-antennas] Re: Antenna Directionality???
>
>
> Back off Lee,
>
> Rick N6NKN
>
> >
> > Or just ground both ends and when you figure out what is wrong you
> will have questions
> > one would expect from a general class Ham operator.
> >
> > This is about experimentation, NOT someone giving you answers you
> should be able to
> > figure out.
>
> >
> >
> >
> >
> >
> > [Non-text portions of this message have been removed]
> >
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>
> [Non-text portions of this message have been removed]
>
>

> ---
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 1446 members (as of 9/26/08, and attachments are NOT permitted.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
>

6536. Re: [ham-antennas] Re: can you use an antenna tuner and an SWR meter?

Yahoo group: ham-antennas (2008)
Date: 2008-10-29 20:47:40 UTC
From: Its from KE4VYN
Topic: 6506 Message: 6536

and remember, the tuner adds loss and a failure point.

----- Original Message -----
From: Rick<mailto:QRP_1@...>
To: ham-antennas@yahoogroups.com<mailto:ham-antennas@yahoogroups.com>
Sent: Wednesday, October 29, 2008 3:38 PM
Subject: [ham-antennas] Re: can you use an antenna tuner and an SWR meter?

If you want to make sure the antenna is setup properly, then you really
don't need a tuner. If you setup the antenna right, the swr will be
low without a tuner. If you want all band operation with one antenna
then do away with the coax and use ladder line and the tuner and as
long as the tuner will match it to the radio you will get out just
fine ! BUt agin, if you are using a coax fed antenna then skip the
tuner and adjust the antenna to resonance if you are worried about it
being setup properly.
73
Rick
KC8AON

But isn't this what I'm looking for? I mean I need to know the VSWR
of the coax/antenna (since I'm assuming the tuner will try to make the
radio think it sees a good SWR ~1-1.5 even if I'm trying to tune a
rock). What I really want to do is figure out if the antenna/coax
system is setup correctly to radiate RF in the freq/band of interest.

[Non-text portions of this message have been removed]

6537. Re: [ham-antennas] Re: Antenna Directionality???

Yahoo group: ham-antennas (2008)
Date: 2008-10-29 20:51:58 UTC
From: dennisissure
Topic: 6530 Message: 6537

I agree whole heartedly AMEN!

Kind of sounds like the McCain Palin campaign against Barack. They can't say two words without negative slamming..

Let's get back to helping rather than condemming because one thinks he knows more than the other. We learn from mistakes and we learn from asking questions. The only STUPID QUESTION is the one that never got asked

Dennis
----- Original Message -----
From: KE5PIQ
To: ham-antennas@yahoogroups.com
Sent: Wednesday, October 29, 2008 4:45 PM
Subject: Re: [ham-antennas] Re: Antenna Directionality???

I thought this was a place to get help and not have to put up with the
north end of a south bound mule. Do we share our knowledge or do just
drop out of this group and experiment on our own .
Craig KE5PIQ
May GOD Bless

On Wed, Oct 29, 2008 at 3:26 PM, Its from KE4VYN <ke4vyn@...> wrote:
> yea, your right.
>
>
> ----- Original Message -----
> From: Richard Zolla<mailto:N6NKN@...>
> To: ham-antennas@yahoogroups.com<mailto:ham-antennas@yahoogroups.com>
> Sent: Wednesday, October 29, 2008 3:03 PM
> Subject: [ham-antennas] Re: Antenna Directionality???
>
>
> Back off Lee,
>
> Rick N6NKN
>
> >
> > Or just ground both ends and when you figure out what is wrong you
> will have questions
> > one would expect from a general class Ham operator.
> >
> > This is about experimentation, NOT someone giving you answers you
> should be able to
> > figure out.
>

> >
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> >
> > [Non-text portions of this message have been removed]
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>
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>
>
> ----------
>
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> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
>

No virus found in this incoming message.
Checked by AVG - http://www.avg.com
Version: 8.0.175 / Virus Database: 270.8.5/1755 - Release Date: 10/29/2008 5:27 PM

No virus found in this outgoing message.
Checked by AVG - http://www.avg.com
Version: 8.0.175 / Virus Database: 270.8.5/1755 - Release Date: 10/29/2008 5:27 PM

[Non-text portions of this message have been removed]

6538. Re: [ham-antennas] Re: Antenna Directionality???

Yahoo group: ham-antennas (2008)
Date: 2008-10-29 20:55:06 UTC
From: Its from KE4VYN
Topic: 6530 Message: 6538

SHARE, and I did if your read the entire post, not just the part you want to complain about.

BUT not give away. If we are to give it all away, why have classes? Lets just open it all up, like CB.

TEACH is a better thing to do. TEACH a person where to look, not GIVE away answers.

I know my TEACHERS did NOT give me the answers.

With books the GIVE the answers to the tests, were are we TEACHING?

TEACH in everything we do.

Also to keep a perspective on this, the guy was asking which way to put up a wire antenna. That is in anybody's book just about as basic as you can get.

Lee
KE4VYN

----- Original Message -----
From: KE5PIQ<mailto:craigmharder@...>
To: ham-antennas@yahoogroups.com<mailto:ham-antennas@yahoogroups.com>
Sent: Wednesday, October 29, 2008 3:45 PM
Subject: Re: [ham-antennas] Re: Antenna Directionality???

I thought this was a place to get help and not have to put up with the
north end of a south bound mule. Do we share our knowledge or do just
drop out of this group and experiment on our own .
Craig KE5PIQ
May GOD Bless

On Wed, Oct 29, 2008 at 3:26 PM, Its from KE4VYN <ke4vyn@...<mailto:ke4vyn@...>> wrote:
> yea, your right.
>
>
> ----- Original Message -----
> From: Richard Zolla<mailto:N6NKN@...<mailto:N6NKN%40arrl.net>>
> To: ham-antennas@yahoogroups.com<mailto:ham-antennas%40yahoogroups.com><mailto:ham-anten
nas@yahoogroups.com<mailto:ham-antennas%40yahoogroups.com>>
> Sent: Wednesday, October 29, 2008 3:03 PM
> Subject: [ham-antennas] Re: Antenna Directionality???
>
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> Back off Lee,
>
> Rick N6NKN

>
> >
> > Or just ground both ends and when you figure out what is wrong you
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>
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> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com<mailto:ham-antennas-unsubscribe%40
yahoogroups.com>
> List owner:
ham-antennas-owner@yahoogroups.com<mailto:ham-antennas-owner%40yahoogroups.com>
> Yahoo! Groups Links
>
>
>
>

[Non-text portions of this message have been removed]

6539. Re: [ham-antennas] Antenna Directionality???

Yahoo group: ham-antennas (2008)
Date: 2008-10-29 21:03:31 UTC
From: Steve/WM5Z
Topic: 6530 Message: 6539

sward1961 wrote:
> I'm in the process of making a multiband long-wire antenna for
> receiving only. Once assembled, I have the option of either stringing
> it baciscally in a north-south or east-west direction.
>
> I would prefer to increase my reception basically from the east-west
> direction since I live in the central US. Should I string it in the
> north-south direction or the east-west direction to increase my
> reception from the east and west?
>
> Any input will be appreciated.
>
> BRGDS
> sward
> DFW, TX
>
>
> ----------
>
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>
>
>
How many wavelengths long will it be at the lowest frequency you want to
receive at? For example, if it is only 150' long then it is only a 1/4
wavelength at 80 meters. Not a true long wire. So signals will be
strongest broadside. It will have different lobe shapes as you go higher
in frequency, at at 28 MHz it might look like a cloverleaf.

The best way to tell is download a copy of EZnec by W7EL at
<http://eznec.com/> and run it. You can adjust the variables like wire
length and height to see what happens at different frequencies.

Does this help?

Steve/WM5Z

6540. Re: [ham-antennas] Re: Antenna Directionality???

Yahoo group: ham-antennas (2008)
Date: 2008-10-29 21:14:53 UTC
From: Steve/WM5Z
Topic: 6530 Message: 6540

dennisissure wrote:
> I agree whole heartedly AMEN!
>
> Kind of sounds like the McCain Palin campaign against Barack. They can't say two words without negative slamming..
>
> Let's get back to helping rather than condemming because one thinks he knows more than the other. We learn from mistakes and we learn from asking questions. The only STUPID QUESTION is the one that never got asked
>
> Dennis
>
OK, So why did you bring politics into this?

6541. Re: [ham-antennas] Antenna Directionality???

Yahoo group: ham-antennas (2008)
Date: 2008-10-29 21:19:03 UTC
From: Steve/WM5Z
Topic: 6530 Message: 6541

Steve/WM5Z wrote:
> sward1961 wrote:
>
>> I'm in the process of making a multiband long-wire antenna for
>> receiving only. Once assembled, I have the option of either stringing
>> it baciscally in a north-south or east-west direction.
>>
>> I would prefer to increase my reception basically from the east-west
>> direction since I live in the central US. Should I string it in the
>> north-south direction or the east-west direction to increase my
>> reception from the east and west?
>>
>> Any input will be appreciated.
>>
>> BRGDS
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>> DFW, TX
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>> ----------
>>
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>>
>>
>>
>>
> How many wavelengths long will it be at the lowest frequency you want to
> receive at? For example, if it is only 150' long then it is only a 1/4
> wavelength at 80 meters. Not a true long wire. So signals will be
> strongest broadside. It will have different lobe shapes as you go higher
> in frequency, at at 28 MHz it might look like a cloverleaf.
>
> The best way to tell is download a copy of EZnec by W7EL at
> <http://eznec.com/> and run it. You can adjust the variables like wire
> length and height to see what happens at different frequencies.
>
> Does this help?

>
> Steve/WM5Z
>
>
Sorry, I meant to say around 1/2 wavelength. But the rest is still
sound. 8-)

6542. RE: [ham-antennas] Re: B&W 370-10

Yahoo group: ham-antennas (2008)
Date: 2008-10-29 21:26:58 UTC
From: AE5MH
Topic: 6514 Message: 6542

Might save an eye but it won't dissipate static which what it was designed
for!

-----Original Message-----
From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On
Behalf Of Harold Burton
Sent: Wednesday, October 29, 2008 11:56 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: B&W 370-10

Lost the ball off a whip tip recently and replaced it with a teardrop shaped

piece of 2 part epoxy putty. I suggest that for a piano wire whip also.The
one I tried worked well and might save an eye.(G)

Harold
KD5SAK

----- Original Message ----- From: "van lincoln" <vlincoln@...>
To: <ham-antennas@yahoogroups.com>
Sent: Wednesday, October 29, 2008 9:17 AM
Subject: Re: [ham-antennas] Re: B&W 370-10

> model airplane hobby shops have piano wire (stiff, small diameter) to
> make whips from up to about 3 feet long inexpensively
> wd8aam
>
> At 07:43 AM 10/29/2008, you wrote:
>
>>Hi Andy,
>>
>>Thanx for the reply. Apparently, the antenna is too old and B&W does
>>not have any info about it or parts. I did find a copy of a service
>>manual available for sale on another site but I think that it would be
>>unlikely to have info about the whip. Unless I can find someone with
>>a B&W whip in their junkbox, I will probably have to adapt a 3/8 x 24
>>threaded whip to the smooth post on the antenna mount. Thanx again
>>for the response.
>>
>>73,
>>Mark
>>N1KFC
>>
>>--- In
>><mailto:ham-antennas%40yahoogroups.com>ham-antennas@yahoogroups.com,
>>Andy <Andy.groups@...> wrote:

>> >
>> > > Does anyone have any info about this antenna? B&W no longer makes
>> > > this antenna.
>> >
>> > I can't say ... but I thought B&W also sold lots of antenna parts.
>>Have you
>> > checked with them to see if they have any parts for that model that
>>they may
>> > be able to sell you? Or maybe just a manual or some information
>>about it,
>> > so you can cut yourself a new whip.
>> >
>> > Andy
>> >
>>
>>
>
>
> [Non-text portions of this message have been removed]
>
>
> ---
>
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Yahoo! Groups Links

6543. Re: [ham-antennas] Re: B&W 370-10

Yahoo group: ham-antennas (2008)
Date: 2008-10-29 21:47:28 UTC
From: Steve/WM5Z
Topic: 6514 Message: 6543

AE5MH wrote:
> Might save an eye but it won't dissipate static which what it was designed
> for!
>
>
>
Use JB-Weld. It is conductive.

6544. Re: Antenna Directionality???

Yahoo group: ham-antennas (2008)
Date: 2008-10-29 21:57:26 UTC
From: sward1961
Topic: 6530 Message: 6544

Steve,

Thanks for the reply. Actually, I'm not an amateur radio operator (I hope that's ok) but have found this group helpful in determining what type of antenna I should be considering.

I have been a scanner listener for many years (civil & mil air) and have recently ventured into hf with the purchase of an R75. HF is a new experience for me so I'm still learning. I'm currently using just a 200' random wire but have been working on constructing an antenna based on a design I found from "Webmaster Hamuniverse.com....N4UJW" using a formula to calculate wire length for a half-wave antenna. I have been using his basic design but have customized my wire lengths to coincide with freq ranges used by civil & mil air since that's all I will be monitoring. For instance, one group of these freqs range from 10780kHz to 11271kHz. I have averaged the freqs in this particular range and the average is 11158kHz. Based on this and his formula, I calculate the wire for this range should be 41.9 feet long. I have done this with several of the freq ranges and plan a wire for each range (seven total). Based on my lot size, it looks like the lowest freq ranges I can go to is approx 6700kHz (a wire length of approx 69.5 feet. Any longer than that and I can't string it in a straight line and end up near some overhead power lines. I hope my logic in this design is somewhat correct. If I've done something wrong with the design, I welcome any feedback.

I hope to have assembly completed this weekend and begin installation. The highest I can install it will be approx 20-25 feet. That's what generated my original post.

Your feedback will be appreciated.

BRGDS
sward

--- In ham-antennas@yahoogroups.com, Steve/WM5Z <wm5z@...> wrote:
>
> Steve/WM5Z wrote:
> > sward1961 wrote:
> >
> >> I'm in the process of making a multiband long-wire antenna for
> >> receiving only. Once assembled, I have the option of either
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> >> it baciscally in a north-south or east-west direction.
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> >> I would prefer to increase my reception basically from the east-
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> >> direction since I live in the central US. Should I string it in
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> >> north-south direction or the east-west direction to increase my
> >> reception from the east and west?
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> >>
> > How many wavelengths long will it be at the lowest frequency you
want to
> > receive at? For example, if it is only 150' long then it is only
a 1/4
> > wavelength at 80 meters. Not a true long wire. So signals will be
> > strongest broadside. It will have different lobe shapes as you go
higher
> > in frequency, at at 28 MHz it might look like a cloverleaf.
> >
> > The best way to tell is download a copy of EZnec by W7EL at
> > <http://eznec.com/> and run it. You can adjust the variables like
wire
> > length and height to see what happens at different frequencies.
> >
> > Does this help?
> >
> > Steve/WM5Z
> >
> >
> Sorry, I meant to say around 1/2 wavelength. But the rest is still

> sound. 8-)
>

6545. Re: [ham-antennas] Re: Antenna Directionality???

Yahoo group: ham-antennas (2008)
Date: 2008-10-29 22:11:37 UTC
From: Its from KE4VYN
Topic: 6530 Message: 6545

you can also use a tuner, they are not just for transmitting.

----- Original Message -----
From: sward1961<mailto:sward1961@...>
To: ham-antennas@yahoogroups.com<mailto:ham-antennas@yahoogroups.com>
Sent: Wednesday, October 29, 2008 4:57 PM
Subject: [ham-antennas] Re: Antenna Directionality???

Steve,

Thanks for the reply. Actually, I'm not an amateur radio operator (I hope that's ok) but have found this group helpful in determining what type of antenna I should be considering.

I have been a scanner listener for many years (civil & mil air) and have recently ventured into hf with the purchase of an R75. HF is a new experience for me so I'm still learning. I'm currently using just a 200' random wire but have been working on constructing an antenna based on a design I found from "Webmaster Hamuniverse.com....N4UJW" using a formula to calculate wire length for a half-wave antenna. I have been using his basic design but have customized my wire lengths to coincide with freq ranges used by civil & mil air since that's all I will be monitoring. For instance, one group of these freqs range from 10780kHz to 11271kHz. I have averaged the freqs in this particular range and the average is 11158kHz. Based on this and his formula, I calculate the wire for this range should be 41.9 feet long. I have done this with several of the freq ranges and plan a wire for each range (seven total). Based on my lot size, it looks like the lowest freq ranges I can go to is approx 6700kHz (a wire length of approx 69.5 feet. Any longer than that and I can't string it in a straight line and end up near some overhead power lines. I hope my logic in this design is somewhat correct. If I've done something wrong with the design, I welcome any feedback.

I hope to have assembly completed this weekend and begin installation. The highest I can install it will be approx 20-25 feet. That's what generated my original post.

Your feedback will be appreciated.

BRGDS
sward

--- In ham-antennas@yahoogroups.com<mailto:ham-antennas%40yahoogroups.com>, Steve/WM5Z <wm5z@...> wrote:
>

> Steve/WM5Z wrote:
> > sward1961 wrote:
> >
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> > <http://eznec.com/<http://eznec.com/>> and run it. You can adjust the variables like
wire
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> > Steve/WM5Z
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> >
> Sorry, I meant to say around 1/2 wavelength. But the rest is still
> sound. 8-)
>

[Non-text portions of this message have been removed]

6546. Re: [ham-antennas] Re: Antenna Directionality???

Yahoo group: ham-antennas (2008)
Date: 2008-10-29 22:25:24 UTC
From: Steve/WM5Z
Topic: 6530 Message: 6546

sward1961 wrote:
> Steve,
>
> Thanks for the reply. Actually, I'm not an amateur radio operator (I
> hope that's ok) but have found this group helpful in determining what
> type of antenna I should be considering.
>
You know what they say, "play on the wet muddy bank, and soon you will
fall in... :-D

Of coarse you are welcome here.

> I have been a scanner listener for many years (civil & mil air) and
> have recently ventured into hf with the purchase of an R75. HF is a
> new experience for me so I'm still learning. I'm currently using
> just a 200' random wire but have been working on constructing an
> antenna based on a design I found from "Webmaster
> Hamuniverse.com....N4UJW" using a formula to calculate wire length
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> & mil air since that's all I will be monitoring. For instance, one
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> than that and I can't string it in a straight line and end up near
> some overhead power lines. I hope my logic in this design is
> somewhat correct. If I've done something wrong with the design, I
> welcome any feedback.
>
> I hope to have assembly completed this weekend and begin
> installation. The highest I can install it will be approx 20-25
> feet. That's what generated my original post.
I applaud your decision to avoid the power lines. Hate to hear of your
demise.

You will probably see a pattern like two hot dogs back to back, only
fatter. The polarity might also change going from horizontal broadside
to vertically off the ends. So you might notice some really weird
propagation where you won't here things you might think you should.

I would just do it, and see what happens. Then let us know how it worked
out. You can always move things since nothing is being put in cement, is

it? You'll just need to let the kids and wife know where you string things up so no one hangs themselves on it.

Antenna arrangement is always fun. It is where you can experiment and see what improvements you can make.

Remember a few emails ago I mentioned EZnec software? It is fun to play with that also and see if what you build actually does what the software says it will do.

Steve/WM5Z

6547. What does the group think???

Yahoo group: ham-antennas (2008)
Date: 2008-10-29 23:20:19 UTC
From: Ken K6KAW
Topic: 6547 Message: 6547

Greetings from K6KAW....

I have decided on an antenna for my place. Now just a reminder I live
in an apartment in CM87. I am on the second deck and I have access to the roof.
I hope the landlord will not cry foul when I ask to put this one up.

I like the " Alpha Delta DX-EE ". At only 40' long I think I can do it.
Has any one use one? What kinda reports? It covers the bands I would
like to get started on. The only thing is it is fairly narrow at only 50 - 60 kHz
spread.

I will leave the rest to the group to ponder. I hope to get a Yeasu FT-857D
but if I have to I will settle on the FT-817D. After all " Money Talks "

73 K6KAW
Ken W.

A freind of " Bill W. "

[Non-text portions of this message have been removed]

6548. Re: [ham-antennas] What does the group think???

Yahoo group: ham-antennas (2008)
Date: 2008-10-29 23:24:15 UTC
From: Joe
Topic: 6547 Message: 6548

Can not resist,

If you can use the roof,, put something like this up!

http://www.1982crew.com/PHP-Nuke/PDF/K9LTN.pdf

Ken K6KAW wrote:

>Greetings from K6KAW....
>
> I have decided on an antenna for my place. Now just a reminder I
>live
>in an apartment in CM87. I am on the second deck and I have access to the
>roof.
>I hope the landlord will not cry foul when I ask to put this one up.
>
> I like the " Alpha Delta DX-EE ". At only 40' long I think I can do
>it.
>Has any one use one? What kinda reports? It covers the bands I would
>like to get started on. The only thing is it is fairly narrow at only 50 -
>60 kHz
>spread.
>
> I will leave the rest to the group to ponder. I hope to get a Yeasu
>FT-857D
>but if I have to I will settle on the FT-817D. After all " Money Talks "
>
>
>73 K6KAW
>Ken W.
>
>A freind of " Bill W. "
>
>
>[Non-text portions of this message have been removed]
>
>
>----------
>
>HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 1446
members (as of 9/26/08, and attachments are NOT permitted.
>Post message: ham-antennas@yahoogroups.com
>Subscribe: ham-antennas-subscribe@yahoogroups.com
>Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
>List owner: ham-antennas-owner@yahoogroups.com
>Yahoo! Groups Links

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>

6549. RE: [ham-antennas] Re: B&W 370-10

Yahoo group: ham-antennas (2008)
Date: 2008-10-29 23:40:40 UTC
From: AE5MH
Topic: 6514 Message: 6549

There ya go~

-----Original Message-----
From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Steve/WM5Z
Sent: Wednesday, October 29, 2008 4:47 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: B&W 370-10

AE5MH wrote:
> Might save an eye but it won't dissipate static which what it was designed
> for!
>
>
>
Use JB-Weld. It is conductive.

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 1446 members (as of 9/26/08, and attachments are NOT permitted.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

6550. Short 20M

Yahoo group: ham-antennas (2008)
Date: 2008-10-29 23:45:08 UTC
From: Richard Schmuke
Topic: 6550 Message: 6550

I made up a wide band □cage□ vertical, I had to trim it short when making it to get the resonate frequency where I wanted it. We finally had a chigger killing frost so I mounted it with the feed point up about 21□ today. 12 radials length for 14.1 MHz , with monofilament line so they were about 45 degrees, vertical is 4.25 square with 8 wires. When I checked it the frequency came in about 15.5 Mhz. I returned it to the building set up with feed point about 6 ft off the ground and radials spread around , this time it checks about 14.1 MHz. If I put tension on the radials to bring the more 90 degrees to the antenna the resonate frequency goes up , droop the radials it goes down. It is feed with RG8X , 5 wrap choke around the mast just under the feed point. When mounted at 21□ the wind blows and the frequency moves.

Any ideas?????

Rich , KDØZZ

Disclaimer: Any errors in spelling or facts are transmission errors.

[Non-text portions of this message have been removed]

6551. AW: [ham-antennas] Short 20M

Yahoo group: ham-antennas (2008)
Date: 2008-10-30 00:57:45 UTC
From: Siegfried Jackstien
Topic: 6550 Message: 6551

do not cut antenna when it is not at right height over ground :-)
-----Ursprüngliche Nachricht-----
Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]Im
Auftrag von Richard Schmuke
Gesendet: Mittwoch, 29. Oktober 2008 23:45
An: ham-antennas@yahoogroups.com
Betreff: [ham-antennas] Short 20M

I made up a wide band □cage□ vertical, I had to trim it short when making
it
to get the resonate frequency where I wanted it. We finally had a chigger
killing frost so I mounted it with the feed point up about 21□ today. 12
radials length for 14.1 MHz , with monofilament line so they were about 45
degrees, vertical is 4.25 square with 8 wires. When I checked it the
frequency came in about 15.5 Mhz. I returned it to the building set up
with
feed point about 6 ft off the ground and radials spread around , this time
it checks about 14.1 MHz. If I put tension on the radials to bring the
more
90 degrees to the antenna the resonate frequency goes up , droop the
radials
it goes down. It is feed with RG8X , 5 wrap choke around the mast just
under
the feed point. When mounted at 21□ the wind blows and the frequency
moves.

Any ideas?????

Rich , KDØZZ

Disclaimer: Any errors in spelling or facts are transmission errors.

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

6552. Re: Antenna Directionality???

Yahoo group: ham-antennas (2008)
Date: 2008-10-30 00:10:29 UTC
From: john baker
Topic: 6530 Message: 6552

Jeeez!!!

"I know my TEACHERS did NOT give me the answers."

That explains a lot. Do you really think you just taught something?

If you don't want to lower yourself to answer a simple question -
which is what the group is all about - just shut up. No one needs
your grief.

jb
kg6biw

6553. Re: [ham-antennas] Re: Antenna Directionality???

Yahoo group: ham-antennas (2008)
Date: 2008-10-30 00:22:43 UTC
From: vlincoln
Topic: 6530 Message: 6553

yes, it's perfectly fine. All hams abide by the credo of helpfulness
to others.

At 21:57 10/29/2008, you wrote:

>Steve,
>
>Thanks for the reply. Actually, I'm not an amateur radio operator (I
>hope that's ok) but have found this group helpful in determining what
>type of antenna I should be considering.
>
>I have been a scanner listener for many years (civil & mil air) and
>have recently ventured into hf with the purchase of an R75. HF is a
>new experience for me so I'm still learning. I'm currently using
>just a 200' random wire but have been working on constructing an
>antenna based on a design I found from "Webmaster
>Hamuniverse.com....N4UJW" using a formula to calculate wire length
>for a half-wave antenna. I have been using his basic design but have
>customized my wire lengths to coincide with freq ranges used by civil
>& mil air since that's all I will be monitoring. For instance, one
>group of these freqs range from 10780kHz to 11271kHz. I have
>averaged the freqs in this particular range and the average is
>11158kHz. Based on this and his formula, I calculate the wire for
>this range should be 41.9 feet long. I have done this with several
>of the freq ranges and plan a wire for each range (seven total).
>Based on my lot size, it looks like the lowest freq ranges I can go
>to is approx 6700kHz (a wire length of approx 69.5 feet. Any longer
>than that and I can't string it in a straight line and end up near
>some overhead power lines. I hope my logic in this design is
>somewhat correct. If I've done something wrong with the design, I
>welcome any feedback.
>
>I hope to have assembly completed this weekend and begin
>installation. The highest I can install it will be approx 20-25
>feet. That's what generated my original post.
>
>Your feedback will be appreciated.
>
>BRGDS
>sward
>
>--- In
><mailto:ham-antennas%40yahoogroups.com>ham-antennas@yahoogroups.com,
>Steve/WM5Z <wm5z@...> wrote:
> >

> > Steve/WM5Z wrote:
> > > sward1961 wrote:
> > >
> > >> I'm in the process of making a multiband long-wire antenna for
> > >> receiving only. Once assembled, I have the option of either
>stringing
> > >> it baciscally in a north-south or east-west direction.
> > >>
> > >> I would prefer to increase my reception basically from the east-
>west
> > >> direction since I live in the central US. Should I string it in
>the
> > >> north-south direction or the east-west direction to increase my
> > >> reception from the east and west?
> > >>
> > >> Any input will be appreciated.
> > >>
> > >> BRGDS
> > >> sward
> > >> DFW, TX
> > >>
> > >>
> > >> ----------
> > >>
> > >> HAM ANTENNAS Anything and everything, tell us or ask questions.
>Replies go to ALL 1446 members (as of 9/26/08, and attachments are
>NOT permitted.
> > >> Post message:
> <mailto:ham-antennas%40yahoogroups.com>ham-antennas@yahoogroups.com
> > >> Subscribe:
> <mailto:ham-antennas-subscribe%40yahoogroups.com>ham-antennas-subscribe@yahoogroups.com
>
> > >> Unsubscribe:
> <mailto:ham-antennas-unsubscribe%40yahoogroups.com>ham-antennas-unsubscribe@yahoogroups.
com
>
> > >> List owner:
> <mailto:ham-antennas-owner%40yahoogroups.com>ham-antennas-owner@yahoogroups.com
>
> > >> Yahoo! Groups Links
> > >>
> > >>
> > >>
> > >>
> > >>
> > >>
> > > How many wavelengths long will it be at the lowest frequency you
>want to
> > > receive at? For example, if it is only 150' long then it is only
>a 1/4

> > > wavelength at 80 meters. Not a true long wire. So signals will be
> > > strongest broadside. It will have different lobe shapes as you go
>higher
> > > in frequency, at at 28 MHz it might look like a cloverleaf.
> > >
> > > The best way to tell is download a copy of EZnec by W7EL at
> > > <<http://eznec.com/>http://eznec.com/> and run it. You can
> adjust the variables like
>wire
> > > length and height to see what happens at different frequencies.
> > >
> > > Does this help?
> > >
> > > Steve/WM5Z
> > >
> > >
> > Sorry, I meant to say around 1/2 wavelength. But the rest is still
> > sound. 8-)
> >
>
>

[Non-text portions of this message have been removed]

6554. Re: [ham-antennas] Re: Antenna Directionality???

Yahoo group: ham-antennas (2008)
Date: 2008-10-30 00:24:19 UTC
From: Its from KE4VYN
Topic: 6530 Message: 6554

Well I think they did, because if you knew how to read then you would have seen

that I DID ANSWER his question.

Now, IF YOU HAVE something other to add than just your ignorance please do,

otherwise you shut up.

----- Original Message -----
From: john baker<mailto:xjjb4x4@...>
To: ham-antennas@yahoogroups.com<mailto:ham-antennas@yahoogroups.com>
Sent: Wednesday, October 29, 2008 7:10 PM
Subject: [ham-antennas] Re: Antenna Directionality???

Jeeez!!!

"I know my TEACHERS did NOT give me the answers."

That explains a lot. Do you really think you just taught something?

If you don't want to lower yourself to answer a simple question -
which is what the group is all about - just shut up. No one needs
your grief.

jb
kg6biw

[Non-text portions of this message have been removed]

6555. Re: AW: [ham-antennas] Short 20M

Yahoo group: ham-antennas (2008)
Date: 2008-10-30 00:30:17 UTC
From: jerry
Topic: 6550 Message: 6555

sounds pretty normal to me

From: Siegfried Jackstien <siegfried.jackstien@...>
To: ham-antennas@yahoogroups.com
Sent: Wednesday, October 29, 2008 5:57:45 PM
Subject: AW: [ham-antennas] Short 20M

do not cut antenna when it is not at right height over ground :-)
-----Urspr?ngliche Nachricht--- --
Von: ham-antennas@ yahoogroups. com [mailto:ham-antennas@ yahoogroups. com]Im
Auftrag von Richard Schmuke
Gesendet: Mittwoch, 29. Oktober 2008 23:45
An: ham-antennas@ yahoogroups. com
Betreff: [ham-antennas] Short 20M

I made up a wide band ?cage? vertical, I had to trim it short when making
it
to get the resonate frequency where I wanted it. We finally had a chigger
killing frost so I mounted it with the feed point up about 21? today. 12
radials length for 14.1 MHz , with monofilament line so they were about 45
degrees, vertical is 4.25 square with 8 wires. When I checked it the
frequency came in about 15.5 Mhz. I returned it to the building set up
with
feed point about 6 ft off the ground and radials spread around , this time
it checks about 14.1 MHz. If I put tension on the radials to bring the
more
90 degrees to the antenna the resonate frequency goes up , droop the
radials
it goes down. It is feed with RG8X , 5 wrap choke around the mast just
under
the feed point. When mounted at 21? the wind blows and the frequency
moves.

Any ideas?????

Rich , KD?ZZ

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[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

6556. Re: B&W 370-10

Yahoo group: ham-antennas (2008)
Date: 2008-10-30 00:31:52 UTC
From: wa2puq
Topic: 6514 Message: 6556

--- In ham-antennas@yahoogroups.com, "n1kfc" <n1_kfc@...> wrote:
>
> Hi,
>
> I picked up one of these old antennas in good shape, except for the
> whip. The antenna is similar in appearance to the MFJ Balcony antenna
> but uses a variety of user selectable coils rather than a tuner.
>
> Does anyone have any info about this antenna? B&W no longer makes
> this antenna. I also would like to source a replacement whip or adapt
> an MFJ whip for the purpose: from 3/8 x 24 to the post on the B&W.
> Any information would be appreciated.
>
> 73,
> Mark
> N1KFC
>

Mark, check out this link,
http://groups.yahoo.com/group/FT817/message/54377 .
One of the posters there gives info on the whip's dimensions.

Stan

6557. Re: [ham-antennas] Re: Antenna Directionality???

Yahoo group: ham-antennas (2008)
Date: 2008-10-30 00:32:08 UTC
From: Steve/WM5Z
Topic: 6530 Message: 6557

john baker wrote:
> Jeeez!!!
>
> "I know my TEACHERS did NOT give me the answers."
>
> That explains a lot. Do you really think you just taught something?
>
> If you don't want to lower yourself to answer a simple question -
> which is what the group is all about - just shut up. No one needs
> your grief.
>
>
> jb
> kg6biw
>
>
> ----------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 1446
members (as of 9/26/08, and attachments are NOT permitted.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
>
>
Some people think acting like a cop is what we all need. I, personally
am for anarchy. That way, we all can sneek up and vigorously exorcise
out hickory sticks on a practice dummy. Oh, he's not a dummy? Sorry for
the confusion...

6558. RE: AW: [ham-antennas] Short 20M

Yahoo group: ham-antennas (2008)
Date: 2008-10-30 00:52:35 UTC
From: Richard Schmuke
Topic: 6550 Message: 6558

sounds pretty normal to me ,
That much?? from 14.1 to 15.5MHZ . The SWR goes to high on 20m to work well
that way.

From: Siegfried Jackstien <siegfried.jackstien@...>
To: ham-antennas@yahoogroups.com
Sent: Wednesday, October 29, 2008 5:57:45 PM
Subject: AW: [ham-antennas] Short 20M

do not cut antenna when it is not at right height over ground :-)
-----Ursprüngliche Nachricht--- --
Betreff: [ham-antennas] Short 20M

I made up a wide band □cage□ vertical, I had to trim it short when making
it
to get the resonate frequency where I wanted it. We finally had a chigger
killing frost so I mounted it with the feed point up about 21□ today. 12
radials length for 14.1 MHz , with monofilament line so they were about 45
degrees, vertical is 4.25 square with 8 wires. When I checked it the
frequency came in about 15.5 Mhz. I returned it to the building set up
with
feed point about 6 ft off the ground and radials spread around , this time
it checks about 14.1 MHz. If I put tension on the radials to bring the
more
90 degrees to the antenna the resonate frequency goes up , droop the
radials
it goes down. It is feed with RG8X , 5 wrap choke around the mast just
under
the feed point. When mounted at 21□ the wind blows and the frequency
moves.

Any ideas?????

Rich , KDØZZ

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[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 1446 members (as of 9/26/08, and attachments are NOT permitted.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

6559. RE: [ham-antennas] Short 20M

Yahoo group: ham-antennas (2008)
Date: 2008-10-30 00:45:35 UTC
From: Richard Schmuke
Topic: 6550 Message: 6559

I agree with that point that it should be done at working height but why does the resonate frequency change when the radials move around with the wind??

I tried make it lower because it is heavy to raise and lower the steel pipe it is on with my bad back.

Subject: AW: [ham-antennas] Short 20M

do not cut antenna when it is not at right height over ground :-)
-----Ursprüngliche Nachricht-----
Von: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
[mailto:ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
]Im
Auftrag von Richard Schmuke

I made up a wide band □cage□ vertical, I had to trim it short when making it
to get the resonate frequency where I wanted it. We finally had a chigger
killing frost so I mounted it with the feed point up about 21□ today. 12
radials length for 14.1 MHz , with monofilament line so they were about 45
degrees, vertical is 4.25 square with 8 wires. When I checked it the
frequency came in about 15.5 Mhz. I returned it to the building set up with
feed point about 6 ft off the ground and radials spread around , this time
it checks about 14.1 MHz. If I put tension on the radials to bring the more
90 degrees to the antenna the resonate frequency goes up , droop the radials
it goes down. It is feed with RG8X , 5 wrap choke around the mast just under
the feed point. When mounted at 21□ the wind blows and the frequency
moves.

Any ideas?????

Rich , KDØZZ

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[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

6560. Re: B&W 370-10

Yahoo group: ham-antennas (2008)
Date: 2008-10-30 03:09:33 UTC
From: n1kfc
Topic: 6514 Message: 6560

Hi Ted et al,

Thanx for the info. The antenna looks like it is almost new. The coils remain in their protective cardboard sleeves.

I think that I am going to make a sleeve for the post with some aluminum tubing. I'll cut a slit and secure with clamptite wire (http://www.clamptitetools.com/) I'll use some appropriate nuts for the 3/8 x 24 thread.

This project if for a cliff dwelling friend and may mean the difference for him to get on the air or not. Again thanx to all for the tips.

73,
Mark
N1KFC

--- In ham-antennas@yahoogroups.com, Ted Horishny <wt2g@...> wrote:
>
> Mark,
> I had on of those in the early 80's. The whip was a replacement auto whip that would go over a snapped auto antenna stub securing with set screws. It was designed for a 5/8 or 1/4 inch rod and was about 4' long. Loading coils were Miniductor stock for 20,15 and 10 meters and a large coil wound on a fiberglass form with magnet wire for 40. All slipped over the lexan rod. A marked 32 foot cpoise wire was supplied. You mounted the antenna and adjusted the counterpoise for lowest swr. It didn't work more than it did. B&W came out with a single coil on a pvc form that was clipped and marketed as the AP10.
> Ted WT2G
>
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

6561. Re: [ham-antennas] What does the group think???

Yahoo group: ham-antennas (2008)
Date: 2008-10-30 13:15:28 UTC
From: danny garvin
Topic: 6547 Message: 6561

Now that's just plane obscene (I want one)

From: Joe <nss@...>
To: ham-antennas@yahoogroups.com
Sent: Wednesday, October 29, 2008 6:24:15 PM
Subject: Re: [ham-antennas] What does the group think???

Can not resist,

If you can use the roof,, put something like this up!

http://www.1982crew .com/PHP- Nuke/PDF/ K9LTN.pdf

Ken K6KAW wrote:

>Greetings from K6KAW....
>
> I have decided on an antenna for my place. Now just a reminder I
>live
>in an apartment in CM87. I am on the second deck and I have access to the
>roof.
>I hope the landlord will not cry foul when I ask to put this one up.
>
> I like the " Alpha Delta DX-EE ". At only 40' long I think I can do
>it.
>Has any one use one? What kinda reports? It covers the bands I would
>like to get started on. The only thing is it is fairly narrow at only 50 -
>60 kHz
>spread.
>
> I will leave the rest to the group to ponder. I hope to get a Yeasu
>FT-857D
>but if I have to I will settle on the FT-817D. After all " Money Talks "
>
>
>73 K6KAW
>Ken W.
>
>A freind of " Bill W. "
>
>
>[Non-text portions of this message have been removed]
>
>
>----------- --------- --------- -------

>
>HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 1446 members (as of 9/26/08, and attachments are NOT permitted.
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>Subscribe: ham-antennas- subscribe@ yahoogroups. com
>Unsubscribe: ham-antennas- unsubscribe@ yahoogroups. com
>List owner: ham-antennas- owner@yahoogroup s.com
>Yahoo! Groups Links
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>

[Non-text portions of this message have been removed]

6562. hey guys take a look at this idea

Yahoo group: ham-antennas (2008)
Date: 2008-10-30 13:53:17 UTC
From: dennisissure
Topic: 6562 Message: 6562

Single story brick construction duplex apartment home.

The gutters are 63' horizontal each side
The downspouts are 10' each corner both sides
Total gutter material each side is 83'
It wouold take a jumper wire 23' long to tie the far side ends together
giving me a total material length of 189'.

or

I could feed each half like a dipole! A gutter dipole with a max height of 15'
and the ends of the downspouts at 6-8" off the ground.

Currently the tree on the left has a 139 foot wire ((14 gauge insulated stranded copper wire)
that goes from the ground 12 degrees tapered away from the tree and up to the top where it is 90' vertical and then the reaminder of 49' goes horizontally to an insulator and then the
nylon cordis stretched to the top of the tree on the right and dropped down and tied off. This is fed against a radial system and currently a single 139' counterpoise wire but I am having a few issues with it right now .. The main purpose of that antenna is to get on 40-80 and 160. I am trying to put together a RF choke at the input of the antenna and another
choke where the coax enters the home.

Would appreciate any help in the modeling or resurecting of these two antennas. If I get the RF issues resolved on the vertical I will be a happy topband camper.

73s for now and if anyone wants to call me and discuss the antennas please do so at 803-389-9366. This is my cell phone and I am usually available unless I'm enroute to the VA for treatment or examinations of sorts. OH and yes, if anyone know where I might obtain used RG8x or RG58 coax in the SC area and also 300 ohm twin lead or used 450 ohm ladder line thata is not too costly; I'd appreciate a heads up. it's not easy trying to start over; but it is sure is interesting.

73s de K0CKDennis

Dennis G. Peterson
326 East Jefferson Street
Apt 2
York, SC 29745
803-389-9366

See my URL story below and other -- URLstories

http://www.yananow.net/Mentors/DennisD.htm

http://www.lawyersandsettlements.com/case/veteran_medical_malpractice.html

---

No virus found in this outgoing message.
Checked by AVG - http://www.avg.com
Version: 8.0.175 / Virus Database: 270.8.5/1756 - Release Date: 10/30/2008 7:59 AM

[Non-text portions of this message have been removed]

6563. Re: [ham-antennas] Short 20M

Yahoo group: ham-antennas (2008)
Date: 2008-10-30 14:20:13 UTC
From: danny garvin
Topic: 6550 Message: 6563

I just built a similar vertical for 40 but my "A Frame support" is only 36 ft so it's basically ground mounted. Next I'm not using radials I'm using a spiral counterpoise that seams to be working well. So I haven't had the same problem with the wind that you have. I did have to put a choke at the feed point be cause of RF in the shack. What kind of 2:1 band width are you getting on your vertical I was very surprised at what I was getting on 40 (270 khz) I'm using 8 #22 wires and the cage is 12" in diameter. it's 33' long but I had to add some inductance at the feed point to bring it down to where I wanted it it started out resonant above the band. I believe that the capacitance of the wires electrically shortened the antenna.
Danny
?? WB9RIM

From: Richard Schmuke <rdj@wildblue.net>
To: ham-antennas@yahoogroups.com
Sent: Wednesday, October 29, 2008 6:45:08 PM
Subject: [ham-antennas] Short 20M

I made up a wide band ?cage? vertical, I had to trim it short when making it to get the resonate frequency where I wanted it. We finally had a chigger killing frost so I mounted it with the feed point up about 21? today. 12 radials length for 14.1 MHz , with monofilament line so they were about 45 degrees, vertical is 4.25 square with 8 wires. When I checked it the frequency came in about 15.5 Mhz. I returned it to the building set up with feed point about 6 ft off the ground and radials spread around , this time it checks about 14.1 MHz. If I put tension on the radials to bring the more 90 degrees to the antenna the resonate frequency goes up , droop the radials it goes down. It is feed with RG8X , 5 wrap choke around the mast just under the feed point. When mounted at 21? the wind blows and the frequency moves.

Any ideas?????

Rich , KD?ZZ

Disclaimer: Any errors in spelling or facts are transmission errors.

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

6564. Re: [ham-antennas] hey guys take a look at this idea

Yahoo group: ham-antennas (2008)
Date: 2008-10-30 14:33:11 UTC
From: danny garvin
Topic: 6562 Message: 6564

I would use some sort of balanced fee line and feed the two sections like a dipole you should be able to tune all the bands. My main antenna is a 150' dipole feed with 450 ohm ladder line and I use it on 6 - 160 the only problem would be at that height for most bands it would be a cloud burner but at least you would be on the air. I would also make sure that all of the gutter sections are bonded togather in each leg.
Danny
   WB9RIM

From: dennisissure <dennisissure@...>
To: ham-antennas@yahoogroups.com
Sent: Thursday, October 30, 2008 8:53:17 AM
Subject: [ham-antennas] hey guys take a look at this idea

Single story brick construction duplex apartment home.

The gutters are 63' horizontal each side
The downspouts are 10' each corner both sides
Total gutter material each side is 83'
It wouold take a jumper wire 23' long to tie the far side ends together
giving me a total material length of 189'.

or

I could feed each half like a dipole! A gutter dipole with a max height of 15'
and the ends of the downspouts at 6-8" off the ground.

Currently the tree on the left has a 139 foot wire ((14 gauge insulated stranded copper wire)
that goes from the ground 12 degrees tapered away from the tree and up to the top where it is 90' vertical and then the reaminder of 49' goes horizontally to an insulator and then the
nylon cordis stretched to the top of the tree on the right and dropped down and tied off. This is fed against a radial system and currently a single 139' counterpoise wire but I am having a few issues with it right now .. The main purpose of that antenna is to get on 40-80 and 160. I am trying to put together a RF choke at the input of the antenna and another
choke where the coax enters the home.

Would appreciate any help in the modeling or resurecting of these two antennas. If I get the RF issues resolved on the vertical I will be a happy topband camper.

73s for now and if anyone wants to call me and discuss the antennas please do so at 803-389-9366. This is my cell phone and I am usually available unless I'm enroute to the VA for treatment or examinations of sorts. OH and yes, if anyone know where I might obtain used RG8x or RG58 coax in the SC area and also 300 ohm twin lead or used 450 ohm ladder line thata is not too costly; I'd appreciate a heads up. it's not easy trying to start

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73s de K0CKDennis

Dennis G. Peterson
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Apt 2
York, SC 29745
803-389-9366

See my URL story below and other -- URLstories

http://www.yananow. net/Mentors/ DennisD.htm

http://www.lawyersa ndsettlements. com/case/ veteran_medical_ malpractice. html

---

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Checked by AVG - http://www.avg. com
Version: 8.0.175 / Virus Database: 270.8.5/1756 - Release Date: 10/30/2008 7:59 AM

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

6565. RE: [ham-antennas] Short 20M

Yahoo group: ham-antennas (2008)
Date: 2008-10-30 15:34:11 UTC
From: Richard Schmuke
Topic: 6550 Message: 6565

Danny , thanks for the reply. I can cover the 20M band with 1.5:1. I may have goofed when I made it because I trimmed the length of the cage to get the resonate frequency where I wanted it. This AM it is on a stand in the middle of the yard. Feed point 6 ft high, with the 12 radials drooping down, then spread across the ground. The radials do not go straight to the ground but form a catenary curve in their natural state. If I apply tension to them the resonate frequency goes up to about 14 Mhz. Place the radials as straight down (6ft) to the ground then fan out and it goes to about 13 Mhz. I have a spread of 1.75 MHZ for a 2:1 with my MFJ259. I may place it back on my 21ft pole and adjust the radials to control the frequency.
There is a definite shorting effect with the cage , I am looking for a PSK31 and phone antenna with a low SWR.

Rich , KDØZZ
Disclaimer: Any errors in spelling or facts are transmission errors.

-----Original Message-----
From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of danny garvin
Sent: Thursday, October 30, 2008 9:20 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Short 20M

I just built a similar vertical for 40 but my "A Frame support" is only 36 ft so it's basically ground mounted. Next I'm not using radials I'm using a spiral counterpoise that seams to be working well. So I haven't had the same problem with the wind that you have. I did have to put a choke at the feed point be cause of RF in the shack. What kind of 2:1 band width are you getting on your vertical I was very surprised at what I was getting on 40 (270 khz) I'm using 8 #22 wires and the cage is 12" in diameter. it's 33' long but I had to add some inductance at the feed point to bring it down to where I wanted it it started out resonant above the band. I believe that the capacitance of the wires electrically shortened the antenna.
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WB9RIM

From: Richard Schmuke <rdj@...>
To: ham-antennas@yahoogroups.com
Sent: Wednesday, October 29, 2008 6:45:08 PM
Subject: [ham-antennas] Short 20M

I made up a wide band □cage□ vertical, I had to trim it short when making it to get the resonate frequency where I wanted it. We finally had a chigger killing frost so I mounted it with the feed point up about 21□ today. 12 radials length for 14.1 MHz , with monofilament line so they were about 45

degrees, vertical is 4.25 square with 8 wires. When I checked it the frequency came in about 15.5 Mhz. I returned it to the building set up with feed point about 6 ft off the ground and radials spread around , this time it checks about 14.1 MHz. If I put tension on the radials to bring the more 90 degrees to the antenna the resonate frequency goes up , droop the radials it goes down. It is feed with RG8X , 5 wrap choke around the mast just under the feed point. When mounted at 21☐ the wind blows and the frequency moves.

Any ideas?????

Rich , KDØZZ

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Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

6566. Wire and Cable for Sale - Selling Home and it all must go.

Yahoo group: ham-antennas (2008)
Date: 2008-10-30 17:23:31 UTC
From: denisnh
Topic: 6566 Message: 6566

Hi All. Due to a series of personal setbacks, I am forced to sell my home. I am currently moving all my stuff out and am selling off as much as I can.

I have several rolls of new, unused wire. Some of it is industrial surplus, but it is all in new condition. I did NOT get this stuff free, so I'll sell it for the lowest prices I can. The price per foot is still much lower than anything surplus or otherwise you'll find anywhere. If you do find the following items for less money, please let me know. I have just posted this wire on Craig's List under the links below.

Right now I have two types of wire for sale:

1) 12 ga. PVC jacketed copper stranded, ideal for just about any type of wire antenna.
http://boston.craigslist.org/nwb/mat/893796223.html

2) Military spec RG-58/U, 50 ohm coaxial cable also in new condition, never used.
http://boston.craigslist.org/nwb/mat/897230310.html

Shipping is available for those who don't live in the area, or it can be picked up in Billerica, MA.

Thanks,
Denis

6567. Re: What does the group think???

Yahoo group: ham-antennas (2008)
Date: 2008-10-30 18:07:17 UTC
From: Russell
Topic: 6547 Message: 6567

your gunna need a bigger roof lol

what a set up

--- In ham-antennas@yahoogroups.com, Joe <nss@...> wrote:
>
> Can not resist,
>
> If you can use the roof,, put something like this up!
>
> http://www.1982crew.com/PHP-Nuke/PDF/K9LTN.pdf
>
> Ken K6KAW wrote:
>
> >Greetings from K6KAW....
> >
> > I have decided on an antenna for my place. Now just a
reminder I
> >live
> >in an apartment in CM87. I am on the second deck and I have access
to the
> >roof.
> >I hope the landlord will not cry foul when I ask to put this one
up.
> >
> > I like the " Alpha Delta DX-EE ". At only 40' long I think
I can do
> >it.
> >Has any one use one? What kinda reports? It covers the bands I
would
> >like to get started on. The only thing is it is fairly narrow at
only 50 -
> >60 kHz
> >spread.
> >
> > I will leave the rest to the group to ponder. I hope to
get a Yeasu
> >FT-857D
> >but if I have to I will settle on the FT-817D. After all " Money
Talks "
> >
> >
> >73 K6KAW
> >Ken W.
> >

> >A freind of " Bill W. "
> >
> >
> >[Non-text portions of this message have been removed]
> >
> >
> >----------
> >
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> >List owner: ham-antennas-owner@yahoogroups.com
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6568. Re: [ham-antennas] What does the group think???

Yahoo group: ham-antennas (2008)
Date: 2008-10-30 19:53:24 UTC
From: Stan Labinsky Jr.
Topic: 6547 Message: 6568

Y'know, there's one thing that I did not see, especially at the building entrance. The station lightning ground.

I'm sure that the tower is grounded, at least through the foundation but I hope that the guy who threw all that cash into such an aggressive system didn't skimp on the most important part of the project.

Stan

----- Original Message -----
From: Joe
To: ham-antennas@yahoogroups.com
Sent: Wednesday, October 29, 2008 7:24 PM
Subject: Re: [ham-antennas] What does the group think???

Can not resist,

If you can use the roof,, put something like this up!

http://www.1982crew.com/PHP-Nuke/PDF/K9LTN.pdf

Ken K6KAW wrote:

>Greetings from K6KAW....
>
> I have decided on an antenna for my place. Now just a reminder I
>live
>in an apartment in CM87. I am on the second deck and I have access to the
>roof.
>I hope the landlord will not cry foul when I ask to put this one up.
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>it.
>Has any one use one? What kinda reports? It covers the bands I would
>like to get started on. The only thing is it is fairly narrow at only 50 -
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>spread.
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> I will leave the rest to the group to ponder. I hope to get a Yeasu
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>but if I have to I will settle on the FT-817D. After all " Money Talks "
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>
>73 K6KAW
>Ken W.
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>List owner: ham-antennas-owner@yahoogroups.com
>Yahoo! Groups Links
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[Non-text portions of this message have been removed]

6569. Re: [ham-antennas] Wire and Cable for Sale - Selling Home and it all must go.

Yahoo group: ham-antennas (2008)
Date: 2008-10-30 22:33:40 UTC
From: Brett Rowe
Topic: 6566 Message: 6569

I don't need it, but I'm a member on another Yahoo group called Tower-stuff4sale. You might try that. You have to join, but it's pretty quick

----- Original Message ----
From: denisnh <denisnh@...>
To: ham-antennas@yahoogroups.com
Sent: Thursday, October 30, 2008 12:23:31 PM
Subject: [ham-antennas] Wire and Cable for Sale - Selling Home and it all must go.

Hi All. Due to a series of personal setbacks, I am forced to sell my home. I am currently moving all my stuff out and am selling off as much as I can.

I have several rolls of new, unused wire. Some of it is industrial surplus, but it is all in new condition. I did NOT get this stuff free, so I'll sell it for the lowest prices I can. The price per foot is still much lower than anything surplus or otherwise you'll find anywhere. If you do find the following items for less money, please let me know. I have just posted this wire on Craig's List under the links below.

Right now I have two types of wire for sale:

1) 12 ga. PVC jacketed copper stranded, ideal for just about any type of wire antenna.
http://boston. craigslist. org/nwb/mat/ 893796223. html

2) Military spec RG-58/U, 50 ohm coaxial cable also in new condition, never used.
http://boston. craigslist. org/nwb/mat/ 897230310. html

Shipping is available for those who don't live in the area, or it can be picked up in Billerica, MA.

Thanks,
Denis

[Non-text portions of this message have been removed]

6570. Re: [ham-antennas] What does the group think???

Yahoo group: ham-antennas (2008)
Date: 2008-10-31 00:02:52 UTC
From: Its from KE4VYN
Topic: 6547 Message: 6570

Just rumored, but I hear that its performance is lacking...

----- Original Message -----
From: Stan Labinsky Jr.<mailto:stanbarb@...>
To: ham-antennas@yahoogroups.com<mailto:ham-antennas@yahoogroups.com>
Sent: Thursday, October 30, 2008 2:53 PM
Subject: Re: [ham-antennas] What does the group think???

Y'know, there's one thing that I did not see, especially at the building entrance. The station lightning ground.

I'm sure that the tower is grounded, at least through the foundation but I hope that the guy who threw all that cash into such an aggressive system didn't skimp on the most important part of the project.

Stan

----- Original Message -----
From: Joe
To: ham-antennas@yahoogroups.com<mailto:ham-antennas%40yahoogroups.com>
Sent: Wednesday, October 29, 2008 7:24 PM
Subject: Re: [ham-antennas] What does the group think???

Can not resist,

If you can use the roof,, put something like this up!

http://www.1982crew.com/PHP-Nuke/PDF/K9LTN.pdf<http://www.1982crew.com/PHP-Nuke/PDF/K9LTN.pdf>

Ken K6KAW wrote:

>Greetings from K6KAW....
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>List owner:
ham-antennas-owner@yahoogroups.com<mailto:ham-antennas-owner%40yahoogroups.com>
>Yahoo! Groups Links
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6571. RE: [ham-antennas] What does the group think???

Yahoo group: ham-antennas (2008)
Date: 2008-10-31 00:19:37 UTC
From: MIKE DURKIN
Topic: 6547 Message: 6571

Hey .. do you think you could use tinyurl.com for posting you links .. that link is so broken ....

To: ham-antennas@yahoogroups.com
From: grailknight_2@...
Date: Thu, 30 Oct 2008 06:15:28 -0700
Subject: Re: [ham-antennas] What does the group think???

Now that's just plane obscene (I want one)

From: Joe <nss@...>

To: ham-antennas@yahoogroups.com

Sent: Wednesday, October 29, 2008 6:24:15 PM

Subject: Re: [ham-antennas] What does the group think???

Can not resist,

If you can use the roof,, put something like this up!

http://www.1982crew .com/PHP- Nuke/PDF/ K9LTN.pdf

Ken K6KAW wrote:

>Greetings from K6KAW....

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>List owner: ham-antennas- owner@yahoogroup s.com

>Yahoo! Groups Links

>

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[Non-text portions of this message have been removed]

_____
When your life is on the go?take your life with you.
http://clk.atdmt.com/MRT/go/115298558/direct/01/

[Non-text portions of this message have been removed]

6572. RE: [ham-antennas] Temporary Tower Guys

Yahoo group: ham-antennas (2008)
Date: 2008-10-31 03:25:03 UTC
From: Dave
Topic: 6572 Message: 6572

Dear Group:

Need some advice. I have a Rohn 45 tower, 70' tall, guyed in two places, 35' and 70'. I want to raise an antenna - full size 3 element 30 meter - this Saturday and want to take it horizontally, straight up the tower. This will require releasing one of the guy wires at 35', until the antenna passes, and then again at 70', until the antenna passes reattaching each as the antenna passes. I really believe that as I release one of the guys, I should temporarily guy under the antenna being raised, especialyl at the 70' level. My question is: Can this temporary guy be rope (5/8") brought tight, or should it be guy wire (3/16")? And, since I'll be simply stringing this temporary guy around a tower leg and cross strut, how tight should, or can this guy be?

Thanks in advance.

Dave, W8QW

_____
PeoplePC Online
A better way to Internet
http://www.peoplepc.com

6573. RF Caution Signs - No Ebay!

Yahoo group: ham-antennas (2008)
Date: 2008-10-31 05:54:41 UTC
From: frontrowe1
Topic: 6573 Message: 6573

I have around 50 new RF Caution signs that I would like to sell. One at a time or all at once is fine with me. I have sold quite a few on ebay, but I'm tired of putting them up for a week and waiting, so I'm offering them here for $10 each including shipping. I'm willing to negotiate for bulk orders. You can see a pic of the sign in the "Photos" link in a folder named RF Caution Sign.
I'll take payment through paypal, money order or check. If you are interested email me at frontrowe1@....
Thanks
FR

6574. dual band beam

Yahoo group: ham-antennas (2008)
Date: 2008-10-31 06:43:36 UTC
From: Matthew
Topic: 6574 Message: 6574

I am just wanting to know how I can build an dual band beam antenna out of an old TV antenna. I know what you can, My friend was at an ham fest and bought an one.

If anyone can email me the installations I would love it.
Thank you
Matthew

6575. Re: [ham-antennas] hey guys take a look at this idea

Yahoo group: ham-antennas (2008)
Date: 2008-10-31 07:43:41 UTC
From: vlincoln
Topic: 6562 Message: 6575

Have a gutter repairman splilt it in the middle, each side would then
be a separate gutter section
with its own downspout, and you would have a dipole to
feed with 450 twin lead and a tuner. cheap antenna, probably work FB.

About 1967 I lived in an apartment on the 2nd floor, frame
construction,vinyl siding,
had gutter running length of unit (about 150'), I used a tuner and a wire clip
lead to feed the gutter through/from my front door, worked very well.
(simple 'L' tuner, one cap, one inductor). Rig then was Eico 753.

van wd8aam

At 14:33 10/30/2008, you wrote:

>I would use some sort of balanced fee line and feed the two sections
>like a dipole you should be able to tune all the bands. My main
>antenna is a 150' dipole feed with 450 ohm ladder line and I use it
>on 6 - 160 the only problem would be at that height for most bands
>it would be a cloud burner but at least you would be on the air. I
>would also make sure that all of the gutter sections are bonded
>togather in each leg.
>Danny
> WB9RIM
>
>_____
>From: dennisissure
><<mailto:dennisissure%40comporium.net>dennisissure@...>
>To: <mailto:ham-antennas%40yahoogroups.com>ham-antennas@yahoogroups.com
>Sent: Thursday, October 30, 2008 8:53:17 AM
>Subject: [ham-antennas] hey guys take a look at this idea
>
>Single story brick construction duplex apartment home.
>
>The gutters are 63' horizontal each side
>The downspouts are 10' each corner both sides
>Total gutter material each side is 83'
>It wouold take a jumper wire 23' long to tie the far side ends together
>giving me a total material length of 189'.
>
>or
>
>I could feed each half like a dipole! A gutter dipole with a max
>height of 15'
>and the ends of the downspouts at 6-8" off the ground.
>

>Currently the tree on the left has a 139 foot wire ((14 gauge
>insulated stranded copper wire)
>that goes from the ground 12 degrees tapered away from the tree and
>up to the top where it
>is 90' vertical and then the reaminder of 49' goes horizontally to
>an insulator and then the
>nylon cordis stretched to the top of the tree on the right and
>dropped down and tied off.
>This is fed against a radial system and currently a single 139'
>counterpoise wire but I am
>having a few issues with it right now .. The main purpose of that
>antenna is to get on
>40-80 and 160. I am trying to put together a RF choke at the input
>of the antenna and another
>choke where the coax enters the home.
>
>Would appreciate any help in the modeling or resurecting of these
>two antennas. If I get the RF issues resolved on the vertical I will
>be a happy topband camper.
>
>73s for now and if anyone wants to call me and discuss the antennas
>please do so at 803-389-9366. This is my cell phone and I am usually
>available unless I'm enroute to the VA for treatment or examinations
>of sorts. OH and yes, if anyone know where I might obtain used RG8x
>or RG58 coax in the SC area and also 300 ohm twin lead or used 450
>ohm ladder line thata is not too costly; I'd appreciate a heads up.
>it's not easy trying to start over; but it is sure is interesting.
>
>73s de K0CKDennis
>
>Dennis G. Peterson
>326 East Jefferson Street
>Apt 2
>York, SC 29745
>803-389-9366
>
>See my URL story below and other -- URLstories
>
><http://www.yananow.>http://www.yananow. net/Mentors/ DennisD.htm
>
><http://www.lawyersa>http://www.lawyersa ndsettlements. com/case/
>veteran_medical_ malpractice. html
>
>----------
>
>----------
>
>No virus found in this outgoing message.
>Checked by AVG - <http://www.avg.>http://www.avg. com
>Version: 8.0.175 / Virus Database: 270.8.5/1756 - Release Date:

>10/30/2008 7:59 AM
>
>----------
>
>[Non-text portions of this message have been removed]
>
>[Non-text portions of this message have been removed]
>
>

[Non-text portions of this message have been removed]

6576. 75 Ohm Coax

Yahoo group: ham-antennas (2008)
Date: 2008-10-31 11:39:41 UTC
From: Callum M0MCX
Topic: 5916 Message: 6576

Allan,

I promised some time ago to track down the low(ish) loss coax my engineer gave to me, it's WEBRO WF100 LSF, about 6mm. Much better than contractor's coax. Do a google search and you'll find it.

Sorry to be so late in this one.

Regards,

Callum McCormick

http://www.m0mcx.co.uk/

Mountains rock

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Allan Kissack
Sent: 19 September 2008 21:43
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] OT - 75 Ohm Coax

thanks Callum, I'll check it out (but may be a bit thick for what I am after)

--
Allan
2E0EAK
----- Original Message -----
From: Callum M0MCX
To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
Sent: Wednesday, September 17, 2008 8:30 PM
Subject: RE: [ham-antennas] OT - 75 Ohm Coax

Allan,

Try WF-165. It's same style as RG213 but 75 ohm.

Nevada stock it.

See http://www.nevadaradio.co.uk/acatalog/cable-wf1651.html

I'm doing exactly the same as you, replacing my cheap crappy stuff with WF-165 to cut down on home-made interference.

Cheers,

Callum McCormick
http://www.m0mcx.co.uk/

If you think education is expensive, try ignorance.

From: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
[mailto:ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
] On
Behalf Of Allan Kissack
Sent: 17 September 2008 13:46
To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
Subject: [ham-antennas] OT - 75 Ohm Coax

Slightly off topic....
I want to re-wire my TV leads with better standard 75 ohm cable. However all
teh UK sources I can find have only upto 60% braid coverage (albeit with
foil as well).

Is there a source of 80%+ braid covered 75 cable available?
If not is 60% with foil any good by comparison?
Can RG58A/U be used as an alternative or will the impedance mismatch negate
any gain

thanks

--
Allan
2E0EAK
Lincs. UK

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

6577. RE: [ham-antennas] dual band beam

Yahoo group: ham-antennas (2008)
Date: 2008-10-31 13:13:52 UTC
From: Richard Schmuke
Topic: 6574 Message: 6577

Yes you are right , I made a little 3 ele Yagi 2m beam and used a short piece of the tubing , ran the RG8X into it for a gama match from parts of an antenna. Do you want to build a 440/2m? Do you want a Yagi or Log Periodic type?

Rich , KDØZZ

Disclaimer: Any errors in spelling or facts are transmission errors.

.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Matthew
Subject: [ham-antennas] dual band beam

I am just wanting to know how I can build an dual band beam antenna out of an old TV antenna. I know what you can, My friend was at an ham fest and bought an one.

If anyone can email me the installations I would love it.
Thank you
Matthew

[Non-text portions of this message have been removed]

6585. tubeing

Yahoo group: ham-antennas (2008)
Date: 2008-11-01 15:11:34 UTC
From: yash@aol.com
Topic: 6585 Message: 6585

Can any one tell me a source for alum tube? I need some alum tube with a ID of 1 5/8"? only need about 3-5 foot. Iam In south west florida. would like to find a heavy wall maybe 1/8" or heaver.
thanks for any help.
dale wt4t

[Non-text portions of this message have been removed]

6597. RE: [ham-antennas] Re: Pins and things

Yahoo group: ham-antennas (2008)
Date: 2008-11-01 19:30:59 UTC
From: Richard Schmuke
Topic: 6578 Message: 6597

Hey!!! how about a pin that says 234 divided by the frequency in megahertz ???

Just a wild idea.

Rich, KDØZZ

I☐m not a complete idiot!
Some parts are missing.

[Non-text portions of this message have been removed]

6602. 10m 12m and 17m yagi info

Yahoo group: ham-antennas (2008)
Date: 2008-11-01 20:30:36 UTC
From: david
Topic: 6602 Message: 6602

wow it looks like i picked a good weekend to join!! hehe well i have
got a ham question, i am looking to buy a yagi or a rotatable dipole
antenna and would like it to operate on 10 12 17 meters, anybody got
any suggestions? oh at the moment i am limitied to guyed push up pole
to put antenna on.
thanks and 73
david
kb5miq

6604. Re: [ham-antennas] tubeing

Yahoo group: ham-antennas (2008)
Date: 2008-11-01 21:31:52 UTC
From: Steve/WM5Z
Topic: 6585 Message: 6604

yash@... wrote:
> Can any one tell me a source for alum tube? I need some alum tube with a ID of 1 5/8"? only need about 3-5 foot. Iam In south west florida. would like to find a heavy wall maybe 1/8" or heaver.
> thanks for any help.
> dale wt4t
>
>
> [Non-text portions of this message have been removed]
>
>
> ----------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 1446 members (as of 9/26/08, and attachments are NOT permitted.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
>
>
Texas Tower. They have it from over 2" to just under 1"

Steve/WM5Z

6607. Re: [ham-antennas] 10m 12m and 17m yagi info

Yahoo group: ham-antennas (2008)
Date: 2008-11-01 22:15:05 UTC
From: Steve/WM5Z
Topic: 6602 Message: 6607

david wrote:
> wow it looks like i picked a good weekend to join!! hehe well i have
> got a ham question, i am looking to buy a yagi or a rotatable dipole
> antenna and would like it to operate on 10 12 17 meters, anybody got
> any suggestions? oh at the moment i am limitied to guyed push up pole
> to put antenna on.
> thanks and 73
> david
> kb5miq
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 1446
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> Post message: ham-antennas@yahoogroups.com
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> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
>
>
Yea, thanks for a NEW topic.

You can do a couple of things. One would be to build it with traps. Hi C
traps for 10 will leave you with enough length for the next band. One of
the problems with Hi L traps is they shorten the antenna to much.

Another idea would be to model your antenna after a commercial version.

Let us know what you do. Others here want to know.

Steve/WM5Z

I would use one of the antenna simulator programs to play with.

6609. EZ way tower cable lacing

Yahoo group: ham-antennas (2008)
Date: 2008-11-01 23:00:37 UTC
From: Skip
Topic: 6609 Message: 6609

Hi,
Just picked up a RBS-60 tower. Great shape, but did not have any cable,which I would of changed any way. Does anyone have a diagram or can hand draw how the cable goes that pulls up the tower.
Any help would be great.
Thanks 73s
Skip KC2RKU

6610. Re: [ham-antennas] 10m 12m and 17m yagi info

Yahoo group: ham-antennas (2008)
Date: 2008-11-02 00:04:12 UTC
From: jerry
Topic: 6602 Message: 6610

hi david
one of my contest friends uses a hex beam on a push up mast at about 20 feet or so he has had good luck with it , u can also make one easily and cheaply
jerry

From: Steve/WM5Z <wm5z@...>
To: ham-antennas@yahoogroups.com
Sent: Saturday, November 1, 2008 3:15:05 PM
Subject: Re: [ham-antennas] 10m 12m and 17m yagi info

david wrote:
> wow it looks like i picked a good weekend to join!! hehe well i have
> got a ham question, i am looking to buy a yagi or a rotatable dipole
> antenna and would like it to operate on 10 12 17 meters, anybody got
> any suggestions? oh at the moment i am limitied to guyed push up pole
> to put antenna on.
> thanks and 73
> david
> kb5miq
>
>
>
> ---------- --------- --------- ------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 1446 members (as of 9/26/08, and attachments are NOT permitted.
> Post message: ham-antennas@ yahoogroups. com
> Subscribe: ham-antennas- subscribe@ yahoogroups. com
> Unsubscribe: ham-antennas- unsubscribe@ yahoogroups. com
> List owner: ham-antennas- owner@yahoogroup s.com
> Yahoo! Groups Links
>
>
>
>
>
Yea, thanks for a NEW topic.

You can do a couple of things. One would be to build it with traps. Hi C traps for 10 will leave you with enough length for the next band. One of the problems with Hi L traps is they shorten the antenna to much.

Another idea would be to model your antenna after a commercial version.

Let us know what you do. Others here want to know.

Steve/WM5Z

I would use one of the antenna simulator programs to play with.

[Non-text portions of this message have been removed]

6614. 10m 12m and 17m yagi info

Yahoo group: ham-antennas (2008)
Date: 2008-11-02 00:55:25 UTC
From: Mike Check
Topic: 6602 Message: 6614

I had a Butternut Butterfly up several years ago that worked pretty good. MY OPINION is that they are not built very solid, but it did work pretty good. It will actually do 10-20. It is a 2 element goofy "boxkite" looking thing, with 17m covered by one element as a rotatable dipole. For 12m, you point it in the opposite direction. It worked very good on 12 and 10, okay on 15, 17 and 20.

Mike
K5UCQ

<<<<<<<<<,wow it looks like i picked a good weekend to join!! hehe well i have
got a ham question, i am looking to buy a yagi or a rotatable dipole antenna and would like it to operate on 10 12 17 meters, anybody got any suggestions? oh at the moment i am limitied to guyed push up pole to put antenna on.
thanks and 73
david
kb5miq

[Non-text portions of this message have been removed]

6615. Center Insulator Balun Question

Yahoo group: ham-antennas (2008)
Date: 2008-11-02 01:01:01 UTC
From: Jonathan Helis KB5IAV
Topic: 6615 Message: 6615

I bought a balun/center insulator from Wireman for an OCF dipole experiment I want to build.

I've never used one of these before since most of the antennas I've built were either single wire or twinlead fed and need some tips.

I need to know what is the best way to put it up. I'm using #12 insulated wire for my antenna(got a spool of it cheap recently), and am trying to figure out how to attach it to the insulator. Not sure if I should simply attach it under the nuts that are on each side, or if I sould strip off alot of the insulation and use the two braids that are already attached to it.

I know this is probably a silly question to ask, but I've never used one of these before and need to know a good way to attach it so it stays attached. Also, want to get the group back on the topic of antennas.

Thanks.

--
73,

Jonathan Helis, KB5IAV
Baton Rouge, Louisiana, USA

6620. Re: [ham-antennas] Center Insulator Balun Question

Yahoo group: ham-antennas (2008)
Date: 2008-11-02 01:36:21 UTC
From: Its from KE4VYN
Topic: 6615 Message: 6620

What I do is take a insulator, one of those cigar-type ones and connect the wires from the balun THRU the ends of the insulator. Securing the wire so it wont pull thru and then on to each insulator at the ends of the wire.

So the insulator is directly above the balun and the balun, 'hangs' from the insulator by the antenna leads. Therefore putting all of the end pull strain on the insulator and not the balun.

73 de KE4VYN
Lee

----- Original Message -----
From: Jonathan Helis KB5IAV<mailto:kb5iav@...>
To: Ham Antennas Groups<mailto:ham-antennas@yahoogroups.com>
Sent: Saturday, November 01, 2008 8:01 PM
Subject: [ham-antennas] Center Insulator Balun Question

I bought a balun/center insulator from Wireman for an OCF dipole experiment I want to build.

I've never used one of these before since most of the antennas I've built were either single wire or twinlead fed and need some tips.

I need to know what is the best way to put it up. I'm using #12 insulated wire for my antenna(got a spool of it cheap recently), and am trying to figure out how to attach it to the insulator. Not sure if I should simply attach it under the nuts that are on each side, or if I sould strip off alot of the insulation and use the two braids that are already attached to it.

I know this is probably a silly question to ask, but I've never used one of these before and need to know a good way to attach it so it stays attached. Also, want to get the group back on the topic of antennas.

Thanks.

--
73,

Jonathan Helis, KB5IAV
Baton Rouge, Louisiana, USA

[Non-text portions of this message have been removed]

6621. RE: [ham-antennas] Center Insulator Balun Question

Yahoo group: ham-antennas (2008)
Date: 2008-11-02 01:39:46 UTC
From: Richard Schmuke
Topic: 6615 Message: 6621

I am not sure what number it is 8?? , but I would strip back some 12 ga , loop it through a hole and the solder the loop, run a wire(if needed) to the attachment of the insulator. Some of the have pig tails to solder to the loop of 12ga. You have to be careful of corrosion if all nuts and bolts are not copper/brass or SS

Rich , KDØZZ

Disclaimer: Any errors in spelling or facts are transmission errors.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Jonathan Helis KB5IAV
Sent: Saturday, November 01, 2008 8:01 PM
To: Ham Antennas Groups
Subject: [ham-antennas] Center Insulator Balun Question

I bought a balun/center insulator from Wireman for an OCF dipole experiment I want to build.

I've never used one of these before since most of the antennas I've built were either single wire or twinlead fed and need some tips.

I need to know what is the best way to put it up. I'm using #12 insulated wire for my antenna(got a spool of it cheap recently), and am trying to figure out how to attach it to the insulator. Not sure if I should simply attach it under the nuts that are on each side, or if I sould strip off alot of the insulation and use the two braids that are already attached to it.

I know this is probably a silly question to ask, but I've never used one of these before and need to know a good way to attach it so it stays attached. Also, want to get the group back on the topic of antennas.

Thanks.

--
73,

Jonathan Helis, KB5IAV
Baton Rouge, Louisiana, USA

[Non-text portions of this message have been removed]

6623. Yagi Matching Methods

Yahoo group: ham-antennas (2008)
Date: 2008-11-02 02:03:42 UTC
From: Joe
Topic: 6623 Message: 6623

Of all the methods of matching or feeding a Yagi, What method is the most inheriently most broadbanded?

Gamma

BetA?

The style M2 uses? can't remember the name.

But all the different versions there are that does not require a split dipole for the element.

Jope WB9SBD

6624. Re: EZ way tower cable lacing

Yahoo group: ham-antennas (2008)
Date: 2008-11-02 02:32:28 UTC
From: Bryan
Topic: 6609 Message: 6624

Skip wrote:
>
> Hi,
> Just picked up a RBS-60 tower. Great shape, but did not have any
> cable,which I would of changed any way. Does anyone have a diagram or
> can hand draw how the cable goes that pulls up the tower.
> Any help would be great.
> Thanks 73s
> Skip KC2RKU

There's a user manual here: http://www.kg4ojt.com/tower/ (click
the "RBS 60 Installation Instructions" at the bottom of the page).

vy 73
Bryan WA7PRC

6625. Re: Yagi Matching Methods

Yahoo group: ham-antennas (2008)
Date: 2008-11-02 02:50:58 UTC
From: Bryan
Topic: 6623 Message: 6625

Joe wrote:
>
> Of all the methods of matching or feeding a Yagi, What method is
the
> most inheriently most broadbanded?
>
> Gamma
>
> BetA?
>
> The style M2 uses? can't remember the name.
>
> But all the different versions there are that does not require a
split
> dipole for the element.
>
> Jope WB9SBD
>

The beta (also called hairpin) matching section will require insulating the driven element halves from the boom. Hy-Gain used it, and M2 says they use it. I've never tried it.

I have a Cushcraft A3S that uses a simple dipole feed. It has reasonable bandwidth (under 2:1). The worst-case is 20m, due to loading. This will be the case with any trapped antenna.

In the early 70s, I put a Gotham 2-el 15m yagi up. Their instructions for making a gamma match left a lot to be desired, and I wound up building my own (from info in the ARRL Handbook). VSWR was about 1.2:1 at the band edges. The antenna later became 3 elements on a longer boom, with a remotely-tuned gamma match tuning capacitor. Even tho it was up only 38', it was a real DX magnet.

Bryan WA7PRC

6626. Re: Center Insulator Balun Question

Yahoo group: ham-antennas (2008)
Date: 2008-11-02 03:18:07 UTC
From: Bryan
Topic: 6615 Message: 6626

Jonathan Helis KB5IAV wrote:
>
> I bought a balun/center insulator from Wireman for an OCF dipole
> experiment I want to build.
>
> I've never used one of these before since most of the antennas I've
> built were either single wire or twinlead fed and need some tips.
>
> I need to know what is the best way to put it up. I'm using #12
> insulated wire for my antenna(got a spool of it cheap recently),
and am
> trying to figure out how to attach it to the insulator. Not sure
if I
> should simply attach it under the nuts that are on each side, or if
I
> sould strip off alot of the insulation and use the two braids that
are
> already attached to it.
>
> I know this is probably a silly question to ask, but I've never
used one
> of these before and need to know a good way to attach it so it stays
> attached. Also, want to get the group back on the topic of
antennas.
>
> Thanks.
>
> --
> 73,
>
> Jonathan Helis, KB5IAV
> Baton Rouge, Louisiana, USA

Hi Jonathan,

I pass the antenna wire thru the eyehooks on the balun/insulator and wind it back on itself a few turns. I then use appropriately-sized split-bolt connectors to connect the pigtail on the balun to the antenna wire. Split-bolt connectors (http://images.orgill.com/200x200/6174270.jpg) can be found in the electrical supply section of your favorite home improvement box store. No soldering required!

I'm curious if the wire you'll be using is hard-drawn. If not, expect some stretch (and decreased resonant frequency) over time. My first 40m dipole was made from 14ga solid soft-drawn. The resonant

frequency kept dropping, until the wire broke.

vy 73,
Bryan WA7PRC

6628. Re: [ham-antennas] Re: Yagi Matching Methods

Yahoo group: ham-antennas (2008)
Date: 2008-11-02 04:03:36 UTC
From: Bill
Topic: 6623 Message: 6628

Brian
There are several alternatives. At one time my 4 element 20 meter monobander was fed with an omega match. Easier to tune than a gamma match. When I redesigned it as a modern 5 element design I split the driven element and fed it with a quarter wave of 37.5 ohm through a 1:1 balun with 75 ohm leading to the rig. It has very good bandwidth and swr characteristics but it is, of course, set up only for 20 meters. The choice of 37.5 ohm was based on the geometric mean of the input impedance and the transmission line. That required shortening the driven element to take out the capacitive reactance.

73
Bill
W7VP
----- Original Message -----
From: Bryan
To: ham-antennas@yahoogroups.com
Sent: Saturday, November 01, 2008 7:50 PM
Subject: [ham-antennas] Re: Yagi Matching Methods

Joe wrote:
>
> Of all the methods of matching or feeding a Yagi, What method is
the
> most inheriently most broadbanded?
>
> Gamma
>
> BetA?
>
> The style M2 uses? can't remember the name.
>
> But all the different versions there are that does not require a
split
> dipole for the element.
>
> Jope WB9SBD
>

The beta (also called hairpin) matching section will require insulating the driven element halves from the boom. Hy-Gain used it, and M2 says they use it. I've never tried it.

I have a Cushcraft A3S that uses a simple dipole feed. It has reasonable bandwidth (under 2:1). The worst-case is 20m, due to loading. This will be the case with any trapped antenna.

In the early 70s, I put a Gotham 2-el 15m yagi up. Their instructions for making a gamma match left a lot to be desired, and I wound up building my own (from info in the ARRL Handbook). VSWR was about 1.2:1 at the band edges. The antenna later became 3 elements on a longer boom, with a remotely-tuned gamma match tuning capacitor. Even tho it was up only 38', it was a real DX magnet.

Bryan WA7PRC

[Non-text portions of this message have been removed]

6630. Re: [ham-antennas] Yagi Matching Methods

Yahoo group: ham-antennas (2008)
Date: 2008-11-02 05:15:46 UTC
From: Steve/WM5Z
Topic: 6623 Message: 6630

Joe wrote:
> Of all the methods of matching or feeding a Yagi, What method is the
> most inheriently most broadbanded?
>
> Gamma
>
> BetA?
>
> The style M2 uses? can't remember the name.
>
> But all the different versions there are that does not require a split
> dipole for the element.
>
> Jope WB9SBD
>
> ---
>
>
A folded dipole with a delta feed in my experience. Only thing tricky is making the folded dipole. The Delta feed likes a balun or balanced line feeder. The folded dipole impedance is usually 4 times what a straight dipole would exhibit. So, if the dipole would normally have an impedance of 35 ohms, then you would see a 140 ohm load. This is convenient as a delta likes to transform from a low impedance to a higher value.

The folded dipole does need to be split, but the split can occur where it is not against the mast. But, you will need to have access to a conduit bender. Several years ago I built one for 144 through 148 MHz. The SWR was less than 1.3:1 at each end, with the center of band at 145.8 MHz. I used copper tubing for the element. The Director and reflectors were aluminum. The spacing between the loops was .05 wavelength. With 1 reflector and 3 directors I realized a F/B of 20dB, a gain of 7 dB and at center of band the SWR was less than 1.05:1

Steve/WM5Z

6633. Re: [ham-antennas] tubeing

Yahoo group: ham-antennas (2008)
Date: 2008-11-02 11:33:23 UTC
From: yash@aol.com
Topic: 6585 Message: 6633

Steve
?thanks for the info,checked with them a month ago,didn't have much stock will check agin.
dale wt4t

-----Original Message-----
From: Steve/WM5Z <wm5z@...>
To: ham-antennas@yahoogroups.com
Sent: Sat, 1 Nov 2008 1:31 pm
Subject: Re: [ham-antennas] tubeing

yash@... wrote:
> Can any one tell me a source for alum tube? I need some alum tube with a ID of 1 5/8"? only need about 3-5 foot. Iam In south west florida. would like to find a heavy wall maybe 1/8" or heaver.
> thanks for any help.
> dale wt4t
>
>
> [Non-text portions of this message have been removed]
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>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 1446 members (as of 9/26/08, and attachments are NOT permitted.
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> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
>
>
Texas Tower. They have it from over 2" to just under 1"

Steve/WM5Z

[Non-text portions of this message have been removed]

6636. Re: Center Insulator Balun Question

Yahoo group: ham-antennas (2008)
Date: 2008-11-02 13:14:13 UTC
From: Jonathan Helis KB5IAV
Topic: 6615 Message: 6636

ham-antennas@yahoogroups.com wrote:
> 4c. Re: Center Insulator Balun Question
> Posted by: "Richard Schmuke" rdj@... richdjschmuke
> Date: Sat Nov 1, 2008 6:40 pm ((PDT))
>
> I am not sure what number it is 8?? , but I would strip back some 12 ga ,
> loop it through a hole and the solder the loop, run a wire(if needed) to
> the attachment of the insulator. Some of the have pig tails to solder to the
> loop of 12ga. You have to be careful of corrosion if all nuts and bolts are
> not copper/brass or SS
>
>
>
> Rich , KD?ZZ
>
> Disclaimer: Any errors in spelling or facts are transmission errors.

It's a Wireman 824 and it does have pigtails.

--
73,

Jonathan Helis, KB5IAV
Baton Rouge, Louisiana, USA

6637. Re: Wire and Cable for Sale - Selling Home and it all must go.

Yahoo group: ham-antennas (2008)
Date: 2008-11-02 14:48:01 UTC
From: denisnh
Topic: 6566 Message: 6637

The RG58 Coax is sold out. I'm going through my various storage
locations in hope I have more and will update this thread if I do.

Thanks to all who ordered or just had kind words of encouragement.
The amateur radio community consists of the nicest folks on the planet
and I'm proud to be a member.

Also, thanks for the pointer to the tower4sale (something like that).
I will definitely post there anything else I manage to uncover in my
various storage locations.

Sincerely,
Denis

--- In ham-antennas@yahoogroups.com, "denisnh" <denisnh@...> wrote:
>
> Hi All. Due to a series of personal setbacks, I am forced to sell my
> home. I am currently moving all my stuff out and am selling off as
> much as I can.
>
> I have several rolls of new, unused wire. Some of it is industrial
> surplus, but it is all in new condition. I did NOT get this stuff
> free, so I'll sell it for the lowest prices I can. The price per foot
> is still much lower than anything surplus or otherwise you'll find
> anywhere. If you do find the following items for less money, please
> let me know. I have just posted this wire on Craig's List under the
> links below.
>
> Right now I have two types of wire for sale:
>
> 1) 12 ga. PVC jacketed copper stranded, ideal for just about any
> type of wire antenna.
> http://boston.craigslist.org/nwb/mat/893796223.html
>
> 2) Military spec RG-58/U, 50 ohm coaxial cable also in new
> condition, never used.
> http://boston.craigslist.org/nwb/mat/897230310.html
>
> Shipping is available for those who don't live in the area, or it can
> be picked up in Billerica, MA.
>
> Thanks,
> Denis
>

6638. Re: Center Insulator Balun Question

Yahoo group: ham-antennas (2008)
Date: 2008-11-02 15:02:08 UTC
From: Jonathan Helis KB5IAV
Topic: 6615 Message: 6638

> Hi Jonathan,
>
> I pass the antenna wire thru the eyehooks on the balun/insulator and
> wind it back on itself a few turns. I then use appropriately-sized
> split-bolt connectors to connect the pigtail on the balun to the
> antenna wire. Split-bolt connectors
> (http://images.orgill.com/200x200/6174270.jpg) can be found in the
> electrical supply section of your favorite home improvement box
> store. No soldering required!
>
> I'm curious if the wire you'll be using is hard-drawn. If not,
> expect some stretch (and decreased resonant frequency) over time. My
> first 40m dipole was made from 14ga solid soft-drawn. The resonant
> frequency kept dropping, until the wire broke.
>
> vy 73,
> Bryan WA7PRC

Thanks for the tip. I'm using #12 stranded wire. I bought a huge spool of it on Ebay that was actually cheaper than I could get it anywhere else so I could have alot of wire to use for antenna construction/experimenting.

I'll look in to those connectors too and see what I can find.

Thanks.

--
73,

Jonathan Helis, KB5IAV
Baton Rouge, Louisiana, USA

6639. Re: [ham-antennas] Re: Yagi Matching Methods

Yahoo group: ham-antennas (2008)
Date: 2008-11-02 15:40:10 UTC
From: Joe
Topic: 6623 Message: 6639

No, or at least all the M2 antennas I have the driven element is not
insulated, and or split., it's just like if you were to gamma match it.

Bryan wrote:

>Joe wrote:
>
>
>>Of all the methods of matching or feeding a Yagi, What method is
>>
>>
>the
>
>
>>most inheriently most broadbanded?
>>
>>Gamma
>>
>>BetA?
>>
>>The style M2 uses? can't remember the name.
>>
>>But all the different versions there are that does not require a
>>
>>
>split
>
>
>>dipole for the element.
>>
>>Jope WB9SBD
>>
>>
>>
>
>The beta (also called hairpin) matching section will require
>insulating the driven element halves from the boom. Hy-Gain used it,
>and M2 says they use it. I've never tried it.
>
>I have a Cushcraft A3S that uses a simple dipole feed. It has
>reasonable bandwidth (under 2:1). The worst-case is 20m, due to
>loading. This will be the case with any trapped antenna.
>
>In the early 70s, I put a Gotham 2-el 15m yagi up. Their
>instructions for making a gamma match left a lot to be desired, and I

>wound up building my own (from info in the ARRL Handbook). VSWR was
>about 1.2:1 at the band edges. The antenna later became 3 elements
>on a longer boom, with a remotely-tuned gamma match tuning
>capacitor. Even tho it was up only 38', it was a real DX magnet.
>
>Bryan WA7PRC
>
>
>-----
>
>HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 1446 members (as of 9/26/08, and attachments are NOT permitted.
>Post message: ham-antennas@yahoogroups.com
>Subscribe: ham-antennas-subscribe@yahoogroups.com
>Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
>List owner: ham-antennas-owner@yahoogroups.com
>Yahoo! Groups Links
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[Non-text portions of this message have been removed]

6647. G5RV Configurations

Yahoo group: ham-antennas (2008)
Date: 2008-11-03 00:36:50 UTC
From: Scott Laughlin
Topic: 6647 Message: 6647

A few weeks ago someone was interested in what configurations a G5RV would tolerate and still provide gain. I located my TechNote #124d, Building and Installing G5RV Antennas for Effective Multiband Performance...by AntennasWest 1999.

On page 13 are Special Purpose configurations:

Inverted U
Sloper/Vertical/Inverted L
Bi-Square/Delta
Shotgun Square/Delta
Open Horizontal Loop

There are limited details on each configuration. If anyone whats more information I'll gladly share whats here.

72 de Scott/n7net/qrp

6648. Re: [ham-antennas] G5RV Configurations

Yahoo group: ham-antennas (2008)
Date: 2008-11-03 10:51:12 UTC
From: Adi Toplician
Topic: 6647 Message: 6648

Hello Scot,

at least I will be happy to see it. I plan to install a multiband antenna
for a long time, and G5RV is an option.

73, adi, yo2liw

On Mon, Nov 3, 2008 at 2:36 AM, Scott Laughlin <n7net@...> wrote:

> A few weeks ago someone was interested in what configurations a G5RV
> would tolerate and still provide gain. I located my TechNote #124d,
> Building and Installing G5RV Antennas for Effective Multiband
> Performance...by AntennasWest 1999.
>
> On page 13 are Special Purpose configurations:
>
> Inverted U
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> Open Horizontal Loop
>
> There are limited details on each configuration. If anyone whats more
> information I'll gladly share whats here.
>
> 72 de Scott/n7net/qrp
>
>
>

--
==========
Adrian Toplician
0721 367 850
Timisoara
YO2LIW

[Non-text portions of this message have been removed]

6649. AW: [ham-antennas] G5RV Configurations

Yahoo group: ham-antennas (2008)
Date: 2008-11-03 12:22:13 UTC
From: Siegfried Jackstien
Topic: 6647 Message: 6649

dear adi
if you have enough room you should try my fullsized topband loop fed via
ladderline and a 1:9 balun
this is really a multibandantenna that works everywhere with low swr and
high gain
but its HUGE :-)
best73´s de dg9bfc
sigi

-----Ursprüngliche Nachricht-----
Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]Im
Auftrag von Adi Toplician
Gesendet: Montag, 3. November 2008 10:51
An: ham-antennas@yahoogroups.com
Betreff: Re: [ham-antennas] G5RV Configurations

Hello Scot,

at least I will be happy to see it. I plan to install a multiband antenna
for a long time, and G5RV is an option.

73, adi, yo2liw

On Mon, Nov 3, 2008 at 2:36 AM, Scott Laughlin <n7net@...> wrote:

> A few weeks ago someone was interested in what configurations a G5RV
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> On page 13 are Special Purpose configurations:
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> There are limited details on each configuration. If anyone whats more
> information I'll gladly share whats here.
>
> 72 de Scott/n7net/qrp
>
>
>

--
==========
Adrian Toplician
0721 367 850
Timisoara
YO2LIW

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

6650. Re: [ham-antennas] LOOP antenna - was: G5RV Configurations

Yahoo group: ham-antennas (2008)
Date: 2008-11-03 13:47:29 UTC
From: Allan Kissack
Topic: 6650 Message: 6650

Sigi
can something similar (read: smaller) be put together for 80 meters?

Is this just a loop of wire that joins to ladder line and then a 9:1 balun to the tuner (or is the balun between feed/antenna?)

Have you got build instructions for the balun ?

useful to know as my small QTH also needs an aerial to get lower than 20m band

--
Allan
2e0eak
----- Original Message -----
From: Siegfried Jackstien
To: ham-antennas@yahoogroups.com
Sent: Monday, November 03, 2008 12:22 PM
Subject: AW: [ham-antennas] G5RV Configurations

dear adi
if you have enough room you should try my fullsized topband loop fed via
ladderline and a 1:9 balun
this is really a multibandantenna that works everywhere with low swr and
high gain
but its HUGE :-)
best73´s de dg9bfc
sigi

-----Ursprüngliche Nachricht-----
Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]Im
Auftrag von Adi Toplician
Gesendet: Montag, 3. November 2008 10:51
An: ham-antennas@yahoogroups.com
Betreff: Re: [ham-antennas] G5RV Configurations

Hello Scot,

at least I will be happy to see it. I plan to install a multiband antenna
for a long time, and G5RV is an option.

73, adi, yo2liw

On Mon, Nov 3, 2008 at 2:36 AM, Scott Laughlin <n7net@yahoo.com> wrote:

> A few weeks ago someone was interested in what configurations a G5RV
> would tolerate and still provide gain. I located my TechNote #124d,
> Building and Installing G5RV Antennas for Effective Multiband
> Performance...by AntennasWest 1999.

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> 72 de Scott/n7net/qrp
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>

--
==========
Adrian Toplician
0721 367 850
Timisoara
YO2LIW

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[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

6651. HF Antenna Analyzers and Field Strength Meters

Yahoo group: ham-antennas (2008)
Date: 2008-11-03 13:56:09 UTC
From: Jon Maguire
Topic: 6651 Message: 6651

I'm looking for recommendations for the subject devices. Any/all advice greatfully accepted.

73... Jon W1MNK

6652. Re: HF Antenna Analyzers and Field Strength Meters

Yahoo group: ham-antennas (2008)
Date: 2008-11-03 14:54:38 UTC
From: Scott Laughlin
Topic: 6651 Message: 6652

Jon,

Check the current issue of the *QRP Quarterly*, page 6. This may not be what you're looking for, but it's interesting just the same. If you don't have access to this publication you might consider going to:

<www.qrparci.org>

72 de Scott/n7net/qrp

--- In ham-antennas@yahoogroups.com, Jon Maguire <w1mnk@...> wrote:
>
> I'm looking for recommendations for the subject devices. Any/all advice
> greatfully accepted.
>
> 73... Jon W1MNK
>

6653. Re: [ham-antennas] HF Antenna Analyzers and Field Strength Meters

Yahoo group: ham-antennas (2008)
Date: 2008-11-03 14:53:37 UTC
From: KE7JSL@tmo.blackberry.net
Topic: 6651 Message: 6653

Hi Jon,

Can't help you much but somethings to consider. There are software analyzers and hardware analyzers plus lab grade or good enough. Personally I have the MFJ 259b which is 1.8-174mhz. It works well for me. (Good enough). MFJ also have a version that does the 70cm band. From my looking around good enough meters run $600 or less and lab quality goes up from there. Hope that helps some.

John
KE7JSL
Sent via BlackBerry from T-Mobile

6655. Re: [ham-antennas] HF Antenna Analyzers and Field Strength Meters

Yahoo group: ham-antennas (2008)
Date: 2008-11-03 15:46:42 UTC
From: Steve/WM5Z
Topic: 6651 Message: 6655

Hi Jon,

I use an MFJ-269 myself. It does a reasonably good job. I am able to find the resonant point of any antenna I use from 1.8 through 440 MHz. I can see the SWR, the "true" impedance and see if there is any reactance. It will do just about anything you might need an analyzer to do. It won't sweep a band and plot on a computer screen, but otherwise it is portable enough to go up on a tower if needed.

Steve/WM5Z

Jon Maguire wrote:
> I'm looking for recommendations for the subject devices. Any/all advice
> greatfully accepted.
>
> 73... Jon W1MNK
>
>
> ----------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 1446 members (as of 9/26/08, and attachments are NOT permitted.
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>

6656. Re: HF Antenna Analyzers and Field Strength Meters

Yahoo group: ham-antennas (2008)
Date: 2008-11-03 16:55:01 UTC
From: Paul
Topic: 6651 Message: 6656

It may be over-kill for your applications but my personal preference is
the antenna analyzers from AEA...

See http://www.aeatechnology.com/index.php

Paul - K9ERG

--- In ham-antennas@yahoogroups.com, Jon Maguire <w1mnk@...> wrote:
>
> I'm looking for recommendations for the subject devices. Any/all
advice
> greatfully accepted.
>
> 73... Jon W1MNK
>

6659. Re: [ham-antennas] LOOP antenna - was: G5RV Configurations

Yahoo group: ham-antennas (2008)
Date: 2008-11-03 19:02:07 UTC
From: Ralph Hase
Topic: 6650 Message: 6659

I was wondering if you put up a loop antenna around the top of the roof of your house 66' on the sides & 34' across the ends thats approx 200' in total. Would this work, I know they work well above just ground but what about above the house?

Any all help appreciared
Ralph
AE5JA

From: Allan Kissack <lists-2008@kissack.co.uk>
To: ham-antennas@yahoogroups.com
Sent: Monday, November 3, 2008 7:47:29 AM
Subject: Re: [ham-antennas] LOOP antenna - was: G5RV Configurations

Sigi
can something similar (read: smaller) be put together for 80 meters?

Is this just a loop of wire that joins to ladder line and then a 9:1 balun to the tuner (or is the balun between feed/antenna?)

Have you got build instructions for the balun ?

useful to know as my small QTH also needs an aerial to get lower than 20m band

--
Allan
2e0eak
----- Original Message -----
From: Siegfried Jackstien
To: ham-antennas@ yahoogroups. com
Sent: Monday, November 03, 2008 12:22 PM
Subject: AW: [ham-antennas] G5RV Configurations

dear adi
if you have enough room you should try my fullsized topband loop fed via
ladderline and a 1:9 balun
this is really a multibandantenna that works everywhere with low swr and
high gain
but its HUGE :-)
best73´s de dg9bfc
sigi

-----Ursprüngliche Nachricht--- --
Von: ham-antennas@ yahoogroups. com [mailto:ham-antennas@ yahoogroups. com]Im
Auftrag von Adi Toplician
Gesendet: Montag, 3. November 2008 10:51
An: ham-antennas@ yahoogroups. com

Betreff: Re: [ham-antennas] G5RV Configurations

Hello Scot,

at least I will be happy to see it. I plan to install a multiband antenna
for a long time, and G5RV is an option.

73, adi, yo2liw

On Mon, Nov 3, 2008 at 2:36 AM, Scott Laughlin <n7net@yahoo. com> wrote:

> A few weeks ago someone was interested in what configurations a G5RV
> would tolerate and still provide gain. I located my TechNote #124d,
> Building and Installing G5RV Antennas for Effective Multiband
> Performance. ..by AntennasWest 1999.
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> Open Horizontal Loop
>
> There are limited details on each configuration. If anyone whats more
> information I'll gladly share whats here.
>
> 72 de Scott/n7net/ qrp
>
>
>

--
========== ==
Adrian Toplician
0721 367 850
Timisoara
YO2LIW

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[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

6660. Re: [ham-antennas] G5RV Configurations

Yahoo group: ham-antennas (2008)
Date: 2008-11-03 22:28:01 UTC
From: Adi Toplician
Topic: 6647 Message: 6660

Thank you Sigi, but I have only 35m.
Now I use a 2x20m dipole fed with coax, which is ok on 80 an 40m.That's all.
I intend to replace coax with ladderline, but due to a lot of buildings,
metal structure, etc I'm not sure if it is a good idea.
Thanks anyway!
73 es gd dx!
adi, yo2liw

On Mon, Nov 3, 2008 at 2:22 PM, Siegfried Jackstien <
siegfried.jackstien@...> wrote:

> dear adi
> if you have enough room you should try my fullsized topband loop fed via
> ladderline and a 1:9 balun
> this is really a multibandantenna that works everywhere with low swr and
> high gain
> but its HUGE :-)
> best73´s de dg9bfc
> sigi
>
> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com <ham-antennas%40yahoogroups.com>[mailto:
> ham-antennas@yahoogroups.com <ham-antennas%40yahoogroups.com>]Im
> Auftrag von Adi Toplician
> Gesendet: Montag, 3. November 2008 10:51
> An: ham-antennas@yahoogroups.com <ham-antennas%40yahoogroups.com>
> Betreff: Re: [ham-antennas] G5RV Configurations
>
> Hello Scot,
>
> at least I will be happy to see it. I plan to install a multiband antenna
> for a long time, and G5RV is an option.
>
> 73, adi, yo2liw
>
> On Mon, Nov 3, 2008 at 2:36 AM, Scott Laughlin <n7net@...<n7net%40yahoo.com>>
> wrote:
>
> > A few weeks ago someone was interested in what configurations a G5RV
> > would tolerate and still provide gain. I located my TechNote #124d,
> > Building and Installing G5RV Antennas for Effective Multiband
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> >
> > 72 de Scott/n7net/qrp
> >
> >
> >
>
> --
> ==========
> Adrian Toplician
> 0721 367 850
> Timisoara
> YO2LIW
>
> [Non-text portions of this message have been removed]
>
> [Non-text portions of this message have been removed]
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>

--
==========
Adrian Toplician
0721 367 850
Timisoara
YO2LIW

[Non-text portions of this message have been removed]

6661. Re: [ham-antennas] LOOP antenna - was: G5RV Configurations

Yahoo group: ham-antennas (2008)
Date: 2008-11-04 00:03:44 UTC
From: KE7JSL@tmo.blackberry.net
Topic: 6650 Message: 6661

>>loop antenna around the top of the roof of your house

Hi,

Well it would be fun to hear if it works out of not. Just a few issues I can think of. Interaction with the metal gutters if its to close, stay away from the power lines and possible RFI in the house. I never tried a loop around the house but I did try a dipole for 20m. The only issue I had was it seemed to pick up more noise from the house then being strung on two poles with a fence in the middle.

John
KE7JSL
Sent via BlackBerry from T-Mobile

6662. MFJ 1769 or HYGAIN TH-1 rotatable dipole

Yahoo group: ham-antennas (2008)
Date: 2008-11-04 03:39:01 UTC
From: david
Topic: 6662 Message: 6662

hi all
does anyone have any experience with either the MFJ 1769 or the HYGAIN TH-1 rotatable dipole? they both appear to be the same antenna to me in the MFJ/ HYGAIN catalog.
thanks and 73
kb5miq
david

6663. New file uploaded to ham-antennas

Yahoo group: ham-antennas (2008)
Date: 2008-11-04 11:43:37 UTC
From: ham-antennas@yahoogroups.com
Topic: 389 Message: 6663

```
Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the ham-antennas
group.

File : /loop.xls
Uploaded by : dg9bfc <siegfried.jackstien@...>
Description : 168m delta fed via ladderline and 1:9 balun

You can access this file at the URL:
http://groups.yahoo.com/group/ham-antennas/files/loop.xls

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/members/web/index.htmlfiles

Regards,

dg9bfc <siegfried.jackstien@...>
```

6664. AW: [ham-antennas] LOOP antenna - was: G5RV Configurations

Yahoo group: ham-antennas (2008)
Date: 2008-11-04 12:01:48 UTC
From: Siegfried Jackstien
Topic: 6650 Message: 6664

dear allan
surely it is possible to build a smaller version for 80m and up
my version is for all bands cause i have enough room ....
it is a 168m delta 12-15m over ground for the two lowest band i use 2
different length of feeding line
i have abt 18m from my shack to the feeding point over my roof and for some
bands i ad another lenght of abt 20m (it is spanned under the roof in a
circle)
both ends of the added lenght end in the shack and i simply switch it in
between with banana plugs
i made an excel sheet for my notes cause it took me 3-4 days with cut and
try cut and try .....
the balun is very simple
i had a selfmade 1:4 in my tuner and found out that swr was low on several
bands with this antenna ... just wanted to see what happens when it is a 1:9
three wires over a amidon 200a red iron powder core
for easy connecting and explaining i say 1 wire red 1 wire brown and 1 wire
black
each about 1m long
make connection points in the middle of red and brown
that is 50 ohms input (red is hot brown is gnd)
take that three wires parallel and turn it 5 times over the upper half of
the core
after that make the rest of the wires on the lower part of the core in 5
turns
now connect on the opposide of the input the wire low red with upper brown
upper black with lower brown
ready with balun
how connect it?
connection points for input explained earlier (upper part of text)
high red is one point for the feeder
low black ist the other point for the feeder
electrically you have 10 turns on the input and 30 for the output with gnd
in the middle
1:3 turn ratio is 1:9 transformer
if you would cut the core it would look like this
(every c is a turn over the core and the "o" s are solder joints

```
c--------O 450 Ohm output
c red
c 5turns
c upper core half
c-
O-------O < 50 Ohm input hot
c-
```

```
c red
c 5turns
c lower core half
c-
O solder joint
c-
c brown
c 5turns
c upper core half
c-
O-------O < 50 Ohm gnd screen
c-
c brown
c 5turns
c lower core half
c-
O solder joint
c-
c black
c 5turns
c upper core half
c
!
c black
c 5turns
c lower core half
c
c--------O 450 Ohm output
```

i hope everybody understood my explanation :-)

i will upload the excelfile and everybody will see that there are MANY resonance points
160, 80, 60!, 40, 20, and up
the swr is <3 on all bands and on some bands it is exactly 1
so most of the time you need NO tuner
on the higher bands swr is not 1:1 but is so low that losts in the tuner are very low
i didn´t try this antenna as a shorter version (for 80 and up) but i think it will work like the same
on the 2 lower bands the feeding impedance is low cause the antenna is only 12-15m high in the air but transformed the impedance over quarterwave lenght to abt 450 ohms
then the balun brings it down to 50 ohms
on 40 the 2 different lenght are half or fullwave so no transforming but the impedance is
abt 400 ohms in the feeding point and the ladderline is in a matched situation
on the higher bands the ladderline is "almost matched" so it is the same like on 40
not exactly but swr is very low anywhere over 14 megs.... (try on yourself)

if i had a network analyzer i would upload pictures from the measurements
but i have none :-(
maybe you can open the 80m loop with a switch to have a (folded) dipole for
160
but pay attention on the lenght of the feeding line ....
that is the tricky thing on this multiband antenna

oh what a very big text hi hi
but i think it will help some others to understand this special antenna :-)
best 73´s de dg9bfc
sigi

-----Ursprüngliche Nachricht-----
Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]Im
Auftrag von Allan Kissack
Gesendet: Montag, 3. November 2008 13:47
An: ham-antennas@yahoogroups.com
Betreff: Re: [ham-antennas] LOOP antenna - was: G5RV Configurations

Sigi
can something similar (read: smaller) be put together for 80 meters?

Is this just a loop of wire that joins to ladder line and then a 9:1 balun
to the tuner (or is the balun between feed/antenna?)

Have you got build instructions for the balun ?

useful to know as my small QTH also needs an aerial to get lower than 20m
band

--
Allan
2e0eak
----- Original Message -----
From: Siegfried Jackstien
To: ham-antennas@yahoogroups.com
Sent: Monday, November 03, 2008 12:22 PM
Subject: AW: [ham-antennas] G5RV Configurations

dear adi
if you have enough room you should try my fullsized topband loop fed via
ladderline and a 1:9 balun
this is really a multibandantenna that works everywhere with low swr and
high gain
but its HUGE :-)
best73´s de dg9bfc
sigi

-----Ursprüngliche Nachricht-----
Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]Im
Auftrag von Adi Toplician
Gesendet: Montag, 3. November 2008 10:51

An: ham-antennas@yahoogroups.com
Betreff: Re: [ham-antennas] G5RV Configurations

Hello Scot,

at least I will be happy to see it. I plan to install a multiband antenna
for a long time, and G5RV is an option.

73, adi, yo2liw

On Mon, Nov 3, 2008 at 2:36 AM, Scott Laughlin <n7net@...> wrote:

> A few weeks ago someone was interested in what configurations a G5RV
> would tolerate and still provide gain. I located my TechNote #124d,
> Building and Installing G5RV Antennas for Effective Multiband
> Performance...by AntennasWest 1999.
>
> On page 13 are Special Purpose configurations:
>
> Inverted U
> Sloper/Vertical/Inverted L
> Bi-Square/Delta
> Shotgun Square/Delta
> Open Horizontal Loop
>
> There are limited details on each configuration. If anyone whats more
> information I'll gladly share whats here.
>
> 72 de Scott/n7net/qrp
>
>
>

--
==========
Adrian Toplician
0721 367 850
Timisoara
YO2LIW

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

6665. AW: [ham-antennas] G5RV Configurations

Yahoo group: ham-antennas (2008)
Date: 2008-11-04 12:09:35 UTC
From: Siegfried Jackstien
Topic: 6647 Message: 6665

dear adi
2x20 is okay for 80m but for 40 it is a fullwave dipole so impedance is very high
swr is high on the coax and so will the losses be high
if you have the room for a dipole you almost have room for a loop
just close your dipole with another lenght of wire and you have more wire in the air
you can open the loop with a switch to have a folded dipole for 160
greetz sigi
dg9bfc
-----Ursprüngliche Nachricht-----
Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]Im Auftrag von Adi Toplician
Gesendet: Montag, 3. November 2008 22:28
An: ham-antennas@...m
Betreff: Re: [ham-antennas] G5RV Configurations

Thank you Sigi, but I have only 35m.
Now I use a 2x20m dipole fed with coax, which is ok on 80 an 40m.That's all.
I intend to replace coax with ladderline, but due to a lot of buildings, metal structure, etc I'm not sure if it is a good idea.
Thanks anyway!
73 es gd dx!
adi, yo2liw

On Mon, Nov 3, 2008 at 2:22 PM, Siegfried Jackstien <
siegfried.jackstien@...> wrote:

> dear adi
> if you have enough room you should try my fullsized topband loop fed via
> ladderline and a 1:9 balun
> this is really a multibandantenna that works everywhere with low swr and
> high gain
> but its HUGE :-)
> best73´s de dg9bfc
> sigi
>
> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com
<ham-antennas%40yahoogroups.com>[mailto:
> ham-antennas@yahoogroups.com <ham-antennas%40yahoogroups.com>]Im
> Auftrag von Adi Toplician
> Gesendet: Montag, 3. November 2008 10:51
> An: ham-antennas@yahoogroups.com <ham-antennas%40yahoogroups.com>
> Betreff: Re: [ham-antennas] G5RV Configurations

>
> Hello Scot,
>
> at least I will be happy to see it. I plan to install a multiband
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> for a long time, and G5RV is an option.
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> 73, adi, yo2liw
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> On Mon, Nov 3, 2008 at 2:36 AM, Scott Laughlin
<n7net@...<n7net%40yahoo.com>>
> wrote:
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> > would tolerate and still provide gain. I located my TechNote #124d,
> > Building and Installing G5RV Antennas for Effective Multiband
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> > Sloper/Vertical/Inverted L
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> > Open Horizontal Loop
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> > There are limited details on each configuration. If anyone whats more
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> > 72 de Scott/n7net/qrp
> >
> >
> >
>
> --
> ==========
> Adrian Toplician
> 0721 367 850
> Timisoara
> YO2LIW
>
> [Non-text portions of this message have been removed]
>
> [Non-text portions of this message have been removed]
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Adrian Toplician
0721 367 850
Timisoara
YO2LIW

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

6666. Re: [ham-antennas] G5RV Configurations

Yahoo group: ham-antennas (2008)
Date: 2008-11-04 12:15:22 UTC
From: Adi Toplician
Topic: 6647 Message: 6666

Dear Sigi,

can you send a picture or a link with your antenna? I'm not sure if I
figured out the right way.
Thank you!

73, adi, yo2liw

On Tue, Nov 4, 2008 at 2:09 PM, Siegfried Jackstien <
siegfried.jackstien@...> wrote:

> dear adi
> 2x20 is okay for 80m but for 40 it is a fullwave dipole so impedance is
> very
> high
> swr is high on the coax and so will the losses be high
> if you have the room for a dipole you almost have room for a loop
> just close your dipole with another lenght of wire and you have more wire
> in
> the air
> you can open the loop with a switch to have a folded dipole for 160
> greetz sigi
> dg9bfc
> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com <ham-antennas%40yahoogroups.com>[mailto:
> ham-antennas@yahoogroups.com <ham-antennas%40yahoogroups.com>]Im
> Auftrag von Adi Toplician
> Gesendet: Montag, 3. November 2008 22:28
> An: ham-antennas@yahoogroups.com <ham-antennas%40yahoogroups.com>
> Betreff: Re: [ham-antennas] G5RV Configurations
>
> Thank you Sigi, but I have only 35m.
> Now I use a 2x20m dipole fed with coax, which is ok on 80 an 40m.That's
> all.
> I intend to replace coax with ladderline, but due to a lot of buildings,
> metal structure, etc I'm not sure if it is a good idea.
> Thanks anyway!
> 73 es gd dx!
> adi, yo2liw
>
> On Mon, Nov 3, 2008 at 2:22 PM, Siegfried Jackstien <
> siegfried.jackstien@... <siegfried.jackstien%40freenet.de>> wrote:
>
> > dear adi
> > if you have enough room you should try my fullsized topband loop fed via
> > ladderline and a 1:9 balun

> > this is really a multibandantenna that works everywhere with low swr and
> > high gain
> > but its HUGE :-)
> > best73´s de dg9bfc
> > sigi
> >
> > -----Ursprüngliche Nachricht-----
> > Von: ham-antennas@yahoogroups.com <ham-antennas%40yahoogroups.com>
> <ham-antennas%40yahoogroups.com>[mailto:
> > ham-antennas@yahoogroups.com <ham-antennas%40yahoogroups.com><ham-antennas%
> 40yahoogroups.com>]Im
> > Auftrag von Adi Toplician
> > Gesendet: Montag, 3. November 2008 10:51
> > An: ham-antennas@yahoogroups.com <ham-antennas%40yahoogroups.com><ham-antennas%
> 40yahoogroups.com>
> > Betreff: Re: [ham-antennas] G5RV Configurations
> >
> > Hello Scot,
> >
> > at least I will be happy to see it. I plan to install a multiband
> antenna
> > for a long time, and G5RV is an option.
> >
> > 73, adi, yo2liw
> >
> > On Mon, Nov 3, 2008 at 2:36 AM, Scott Laughlin
> <n7net@... <n7net%40yahoo.com><n7net%40yahoo.com>>
>
> > wrote:
> >
> > > A few weeks ago someone was interested in what configurations a G5RV
> > > would tolerate and still provide gain. I located my TechNote #124d,
> > > Building and Installing G5RV Antennas for Effective Multiband
> > > Performance...by AntennasWest 1999.
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> > > Sloper/Vertical/Inverted L
> > > Bi-Square/Delta
> > > Shotgun Square/Delta
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> > > There are limited details on each configuration. If anyone whats more
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> > >
> > >

> >
> > --
> > ==========
> > Adrian Toplician
> > 0721 367 850
> > Timisoara
> > YO2LIW
> >
> > [Non-text portions of this message have been removed]
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> >
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>
> --
> ==========
> Adrian Toplician
> 0721 367 850
> Timisoara
> YO2LIW
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> [Non-text portions of this message have been removed]
>
> [Non-text portions of this message have been removed]
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>

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==========
Adrian Toplician
0721 367 850
Timisoara
YO2LIW

[Non-text portions of this message have been removed]

6667. AW: [ham-antennas] G5RV Configurations

Yahoo group: ham-antennas (2008)
Date: 2008-11-04 12:26:32 UTC
From: Siegfried Jackstien
Topic: 6647 Message: 6667

oh adi you are online now!!!
it is very simple
horizontal delta 168m from feeding point over the roof of my house
abt 60m in a tree at the end of my garden then 70m to a 10m mast and then
40m back to the feeding point (you see this is 170m hi hi)
the exact lenght is abt 168m i made it longer and then cut ant try cut and
try
like you always should with buildind an antenna
cutting is easier as soldering another little wire in between :-)
from feeding point abt 18-20m to the shack and another 20m lenght of the
feedingline is under the roof of my house in a circle
i hope you understood now
greetz
sigi
-----Ursprüngliche Nachricht-----
Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]Im
Auftrag von Adi Toplician
Gesendet: Dienstag, 4. November 2008 12:15
An: ham-antennas@yahoogroups.com
Betreff: Re: [ham-antennas] G5RV Configurations

Dear Sigi,

can you send a picture or a link with your antenna? I'm not sure if I
figured out the right way.
Thank you!

73, adi, yo2liw

On Tue, Nov 4, 2008 at 2:09 PM, Siegfried Jackstien <
siegfried.jackstien@...> wrote:

> dear adi
> 2x20 is okay for 80m but for 40 it is a fullwave dipole so impedance is
> very
> high
> swr is high on the coax and so will the losses be high
> if you have the room for a dipole you almost have room for a loop
> just close your dipole with another lenght of wire and you have more
wire
> in
> the air
> you can open the loop with a switch to have a folded dipole for 160
> greetz sigi
> dg9bfc
> -----Ursprüngliche Nachricht-----

> Von: ham-antennas@yahoogroups.com
<ham-antennas%40yahoogroups.com>[mailto:
> ham-antennas@yahoogroups.com <ham-antennas%40yahoogroups.com>]Im
> Auftrag von Adi Toplician
> Gesendet: Montag, 3. November 2008 22:28
> An: ham-antennas@yahoogroups.com <ham-antennas%40yahoogroups.com>
> Betreff: Re: [ham-antennas] G5RV Configurations
>
> Thank you Sigi, but I have only 35m.
> Now I use a 2x20m dipole fed with coax, which is ok on 80 an 40m.That's
> all.
> I intend to replace coax with ladderline, but due to a lot of buildings,
> metal structure, etc I'm not sure if it is a good idea.
> Thanks anyway!
> 73 es gd dx!
> adi, yo2liw
>
> On Mon, Nov 3, 2008 at 2:22 PM, Siegfried Jackstien <
> siegfried.jackstien@... <siegfried.jackstien%40freenet.de>>
wrote:
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> > dear adi
> > if you have enough room you should try my fullsized topband loop fed
via
> > ladderline and a 1:9 balun
> > this is really a multibandantenna that works everywhere with low swr
and
> > high gain
> > but its HUGE :-)
> > best73´s de dg9bfc
> > sigi
> >
> > -----Ursprüngliche Nachricht-----
> > Von: ham-antennas@yahoogroups.com <ham-antennas%40yahoogroups.com>
> <ham-antennas%40yahoogroups.com>[mailto:
> > ham-antennas@yahoogroups.com
<ham-antennas%40yahoogroups.com><ham-antennas%
> 40yahoogroups.com>]Im
> > Auftrag von Adi Toplician
> > Gesendet: Montag, 3. November 2008 10:51
> > An: ham-antennas@yahoogroups.com
<ham-antennas%40yahoogroups.com><ham-antennas%
> 40yahoogroups.com>
> > Betreff: Re: [ham-antennas] G5RV Configurations
> >
> > Hello Scot,
> >
> > at least I will be happy to see it. I plan to install a multiband
> antenna
> > for a long time, and G5RV is an option.

> >
> > 73, adi, yo2liw
> >
> > On Mon, Nov 3, 2008 at 2:36 AM, Scott Laughlin
> <n7net@... <n7net%40yahoo.com><n7net%40yahoo.com>>
>
> > wrote:
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> > > Shotgun Square/Delta
> > > Open Horizontal Loop
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> > > There are limited details on each configuration. If anyone whats
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> > > 72 de Scott/n7net/qrp
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> > --
> > ==========
> > Adrian Toplician
> > 0721 367 850
> > Timisoara
> > YO2LIW
> >
> > [Non-text portions of this message have been removed]
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> >
> >
>
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> ==========
> Adrian Toplician
> 0721 367 850
> Timisoara
> YO2LIW

>
> [Non-text portions of this message have been removed]
>
> [Non-text portions of this message have been removed]
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==========
Adrian Toplician
0721 367 850
Timisoara
YO2LIW

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[Non-text portions of this message have been removed]

6668. Re: [ham-antennas] G5RV Configurations

Yahoo group: ham-antennas (2008)
Date: 2008-11-04 13:51:18 UTC
From: Bill
Topic: 6647 Message: 6668

Adi T
ake a look at the so-called "Super Loop." Mine is about 98 feet across the top (29.88 meters) with about 62 feet (18.9 meters) for each of the lines from the ends to the 4:1 balun at the apex. (It is an inverted triangle.) The center of the horizontal part is divided in the middle like a dipole and a 1/4 wave stub of 450 ohm ladder line cut for 40 meters and closed on the far end is attached. The 4:1 balun is fed with 52 ohm coax. The antenna acts like a bi-square on 40 meters and a full wave loop on 80 meters. Mine was tested at the feedpoint and exhibited 200+j0 before installation of the balun on 40 meters. The Super Loop gives good gain on 40 meters and acts well on 80. Although I do not use it on 20 is has good references for that band too. I have used it successfully on the WARC bands. (I have a 5 element monobander on 20 and a tribander for 20 15 and 10 so I don't use it on those bands) Check out the design on WH2T's web site by googling the WH2T Mini Super Loop. Mine is modified from that using eznec but is very similar. The advantage if you have the height available is that it does not take as much horizontal room as a dipole cut for 80 meters.

73
Bill
W7VP
----- Original Message -----
From: Adi Toplician
To: ham-antennas@yahoogroups.com
Sent: Tuesday, November 04, 2008 4:15 AM
Subject: Re: [ham-antennas] G5RV Configurations

Dear Sigi,

can you send a picture or a link with your antenna? I'm not sure if I
figured out the right way.
Thank you!

73, adi, yo2liw

On Tue, Nov 4, 2008 at 2:09 PM, Siegfried Jackstien <
siegfried.jackstien@...> wrote:

> dear adi
> 2x20 is okay for 80m but for 40 it is a fullwave dipole so impedance is
> very
> high
> swr is high on the coax and so will the losses be high
> if you have the room for a dipole you almost have room for a loop
> just close your dipole with another lenght of wire and you have more wire
> in
> the air
> you can open the loop with a switch to have a folded dipole for 160

> greetz sigi
> dg9bfc
> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com <ham-antennas%40yahoogroups.com>[mailto:
> ham-antennas@yahoogroups.com <ham-antennas%40yahoogroups.com>]Im
> Auftrag von Adi Toplician
> Gesendet: Montag, 3. November 2008 22:28
> An: ham-antennas@yahoogroups.com <ham-antennas%40yahoogroups.com>
> Betreff: Re: [ham-antennas] G5RV Configurations
>
> Thank you Sigi, but I have only 35m.
> Now I use a 2x20m dipole fed with coax, which is ok on 80 an 40m.That's
> all.
> I intend to replace coax with ladderline, but due to a lot of buildings,
> metal structure, etc I'm not sure if it is a good idea.
> Thanks anyway!
> 73 es gd dx!
> adi, yo2liw
>
> On Mon, Nov 3, 2008 at 2:22 PM, Siegfried Jackstien <
> siegfried.jackstien@... <siegfried.jackstien%40freenet.de>> wrote:
>
> > dear adi
> > if you have enough room you should try my fullsized topband loop fed via
> > ladderline and a 1:9 balun
> > this is really a multibandantenna that works everywhere with low swr and
> > high gain
> > but its HUGE :-)
> > best73´s de dg9bfc
> > sigi
> >
> > -----Ursprüngliche Nachricht-----
> > Von: ham-antennas@yahoogroups.com <ham-antennas%40yahoogroups.com>
> <ham-antennas%40yahoogroups.com>[mailto:
> > ham-antennas@yahoogroups.com <ham-antennas%40yahoogroups.com><ham-antennas%
> 40yahoogroups.com>]Im
> > Auftrag von Adi Toplician
> > Gesendet: Montag, 3. November 2008 10:51
> > An: ham-antennas@yahoogroups.com <ham-antennas%40yahoogroups.com><ham-antennas%
> 40yahoogroups.com>
> > Betreff: Re: [ham-antennas] G5RV Configurations
> >
> > Hello Scot,
> >
> > at least I will be happy to see it. I plan to install a multiband
> antenna
> > for a long time, and G5RV is an option.
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> > 73, adi, yo2liw
> >

> > On Mon, Nov 3, 2008 at 2:36 AM, Scott Laughlin
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> > --
> > ==========
> > Adrian Toplician
> > 0721 367 850
> > Timisoara
> > YO2LIW
> >
> > [Non-text portions of this message have been removed]
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>
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> ==========
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> 0721 367 850
> Timisoara
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> [Non-text portions of this message have been removed]
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> [Non-text portions of this message have been removed]

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>

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Adrian Toplician
0721 367 850
Timisoara
YO2LIW

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

6669. Re: [ham-antennas] LOOP antenna - was: G5RV Configurations

Yahoo group: ham-antennas (2008)
Date: 2008-11-04 20:50:50 UTC
From: Allan Kissack
Topic: 6650 Message: 6669

Sigi

Thanks for your very full reply and XLS. I shall have a proper read at the weekend and see if I can transpose it to a smaller loop for trials here

thank you
--
Allan
2e0eak
----- Original Message -----
From: Siegfried Jackstien
To: ham-antennas@yahoogroups.com
Sent: Tuesday, November 04, 2008 12:01 PM
Subject: AW: [ham-antennas] LOOP antenna - was: G5RV Configurations

dear allan
surely it is possible to build a smaller version for 80m and up
my version is for all bands cause i have enough room ....
it is a 168m delta 12-15m over ground for the two lowest band i use 2 different length of feeding line
i have abt 18m from my shack to the feeding point over my roof and for some bands i ad another lenght of abt 20m (it is spanned under the roof in a circle)
both ends of the added lenght end in the shack and i simply switch it in between with banana plugs
i made an excel sheet for my notes cause it took me 3-4 days with cut and try cut and try .....
the balun is very simple
i had a selfmade 1:4 in my tuner and found out that swr was low on several bands with this antenna ... just wanted to see what happens when it is a 1:9
three wires over a amidon 200a red iron powder core
for easy connecting and explaining i say 1 wire red 1 wire brown and 1 wire black
each about 1m long
make connection points in the middle of red and brown
that is 50 ohms input (red is hot brown is gnd)
take that three wires parallel and turn it 5 times over the upper half of the core
after that make the rest of the wires on the lower part of the core in 5 turns
now connect on the opposide of the input the wire low red with upper brown
upper black with lower brown
ready with balun
how connect it?
connection points for input explained earlier (upper part of text)
high red is one point for the feeder

low black ist the other point for the feeder
electrically you have 10 turns on the input and 30 for the output with gnd in the middle
1:3 turn ratio is 1:9 transformer
if you would cut the core it would look like this
(every c is a turn over the core and the "o" s are solder joints

```
c--------O 450 Ohm output
c red
c 5turns
c upper core half
c-
O-------O < 50 Ohm input hot
c-
c red
c 5turns
c lower core half
c-
O solder joint
c-
c brown
c 5turns
c upper core half
c-
O-------O < 50 Ohm gnd screen
c-
c brown
c 5turns
c lower core half
c-
O solder joint
c-
c black
c 5turns
c upper core half
c
!
c black
c 5turns
c lower core half
c
c--------O 450 Ohm output
```

i hope everybody understood my explanation :-)

i will upload the excelfile and everybody will see that there are MANY resonance points
160, 80, 60!, 40, 20, and up
the swr is <3 on all bands and on some bands it is exactly 1
so most of the time you need NO tuner
on the higher bands swr is not 1:1 but is so low that losts in the tuner are

very low
i didn´t try this antenna as a shorter version (for 80 and up) but i think
it will work like the same
on the 2 lower bands the feeding impedance is low cause the antenna is only
12-15m high in the air but transformed the impedance over quarterwave lenght
to abt 450 ohms
then the balun brings it down to 50 ohms
on 40 the 2 different lenght are half or fullwave so no transforming but the
impedance is
abt 400 ohms in the feeding point and the ladderline is in a matched
situation
on the higher bands the ladderline is "almost matched" so it is the same
like on 40
not exactly but swr is very low anywhere over 14 megs.... (try on yourself)
if i had a network analyzer i would upload pictures from the measurements
but i have none :-(
maybe you can open the 80m loop with a switch to have a (folded) dipole for
160
but pay attention on the lenght of the feeding line ....
that is the tricky thing on this multiband antenna

oh what a very big text hi hi
but i think it will help some others to understand this special antenna :-)
best 73´s de dg9bfc
sigi

-----Ursprüngliche Nachricht-----
Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]Im
Auftrag von Allan Kissack
Gesendet: Montag, 3. November 2008 13:47
An: ham-antennas@yahoogroups.com
Betreff: Re: [ham-antennas] LOOP antenna - was: G5RV Configurations

Sigi
can something similar (read: smaller) be put together for 80 meters?

Is this just a loop of wire that joins to ladder line and then a 9:1 balun
to the tuner (or is the balun between feed/antenna?)

Have you got build instructions for the balun ?

useful to know as my small QTH also needs an aerial to get lower than 20m
band

--
Allan
2e0eak
----- Original Message -----
From: Siegfried Jackstien
To: ham-antennas@yahoogroups.com
Sent: Monday, November 03, 2008 12:22 PM
Subject: AW: [ham-antennas] G5RV Configurations

dear adi
if you have enough room you should try my fullsized topband loop fed via ladderline and a 1:9 balun
this is really a multibandantenna that works everywhere with low swr and high gain
but its HUGE :-)
best73´s de dg9bfc
sigi

-----Ursprüngliche Nachricht-----
Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]Im Auftrag von Adi Toplician
Gesendet: Montag, 3. November 2008 10:51
An: ham-antennas@yahoogroups.com
Betreff: Re: [ham-antennas] G5RV Configurations

Hello Scot,

at least I will be happy to see it. I plan to install a multiband antenna for a long time, and G5RV is an option.

73, adi, yo2liw

On Mon, Nov 3, 2008 at 2:36 AM, Scott Laughlin <n7net@...> wrote:

> A few weeks ago someone was interested in what configurations a G5RV
> would tolerate and still provide gain. I located my TechNote #124d,
> Building and Installing G5RV Antennas for Effective Multiband
> Performance...by AntennasWest 1999.
>
> On page 13 are Special Purpose configurations:
>
> Inverted U
> Sloper/Vertical/Inverted L
> Bi-Square/Delta
> Shotgun Square/Delta
> Open Horizontal Loop
>
> There are limited details on each configuration. If anyone whats more
> information I'll gladly share whats here.
>
> 72 de Scott/n7net/qrp
>
>
>

--
==========
Adrian Toplician
0721 367 850
Timisoara
YO2LIW

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

6670. 20 meter 3 el beam

Yahoo group: ham-antennas (2008)
Date: 2008-11-05 06:32:11 UTC
From: bushpilot169
Topic: 6670 Message: 6670

I have put togeather a 20 meter 3 el beam from the ARRL antenna hand book, thay called it an optimized beam, in the directions im to place a piece of pvc pipe 2.5" id aprox 76" long, and 12" behind the dir 1, Can someone tell me why? and if i was to leave it off will the beam perform poorly?

6671. AW: [ham-antennas] LOOP antenna - was: G5RV Configurations

Yahoo group: ham-antennas (2008)
Date: 2008-11-05 11:26:08 UTC
From: Siegfried Jackstien
Topic: 6650 Message: 6671

dear allan
it would be nice if you make this smaller loop and share your measurements
with all the others
just make an excelsheet like i did
would be nice to see how this antenna works in a smaller version
but be sure to make the feedingline as quartewaves like i did
only with that you can use it with the 1:9 balun
as i said before you maybe can open the loop to make a folded dipole for 160
BUT the impedance on a low dipole is low so you have to use the long
feedingline to transform it in the
400-500 ohm range and then via the balun to abt 50 ohms
greetz
sigi
-----Ursprüngliche Nachricht-----
Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@...m]Im
Auftrag von Allan Kissack
Gesendet: Dienstag, 4. November 2008 20:51
An: ham-antennas@yahoogroups.com
Betreff: Re: [ham-antennas] LOOP antenna - was: G5RV Configurations

Sigi

Thanks for your very full reply and XLS. I shall have a proper read at the
weekend and see if I can transpose it to a smaller loop for trials here

thank you
--
Allan
2e0eak
----- Original Message -----
From: Siegfried Jackstien
To: ham-antennas@yahoogroups.com
Sent: Tuesday, November 04, 2008 12:01 PM
Subject: AW: [ham-antennas] LOOP antenna - was: G5RV Configurations

dear allan
surely it is possible to build a smaller version for 80m and up
my version is for all bands cause i have enough room ....
it is a 168m delta 12-15m over ground for the two lowest band i use 2
different length of feeding line
i have abt 18m from my shack to the feeding point over my roof and for
some
bands i ad another lenght of abt 20m (it is spanned under the roof in a
circle)
both ends of the added lenght end in the shack and i simply switch it in
between with banana plugs

i made an excel sheet for my notes cause it took me 3-4 days with cut and try cut and try .....
the balun is very simple
i had a selfmade 1:4 in my tuner and found out that swr was low on several bands with this antenna ... just wanted to see what happens when it is a 1:9
three wires over a amidon 200a red iron powder core
for easy connecting and explaining i say 1 wire red 1 wire brown and 1 wire
black
each about 1m long
make connection points in the middle of red and brown
that is 50 ohms input (red is hot brown is gnd)
take that three wires parallel and turn it 5 times over the upper half of the core
after that make the rest of the wires on the lower part of the core in 5 turns
now connect on the opposide of the input the wire low red with upper brown
upper black with lower brown
ready with balun
how connect it?
connection points for input explained earlier (upper part of text)
high red is one point for the feeder
low black ist the other point for the feeder
electrically you have 10 turns on the input and 30 for the output with gnd in the middle
1:3 turn ratio is 1:9 transformer
if you would cut the core it would look like this
(every c is a turn over the core and the "o" s are solder joints

```
c--------O 450 Ohm output
c red
c 5turns
c upper core half
c-
O-------O < 50 Ohm input hot
c-
c red
c 5turns
c lower core half
c-
O solder joint
c-
c brown
c 5turns
c upper core half
c-
O-------O < 50 Ohm gnd screen
c-
c brown
```

```
c 5turns
c lower core half
c-
O solder joint
c-
c black
c 5turns
c upper core half
c
!
c black
c 5turns
c lower core half
c
c--------O 450 Ohm output
```

i hope everybody understood my explanation :-)

i will upload the excelfile and everybody will see that there are MANY resonance points
160, 80, 60!, 40, 20, and up
the swr is <3 on all bands and on some bands it is exactly 1
so most of the time you need NO tuner
on the higher bands swr is not 1:1 but is so low that losts in the tuner are
very low
i didn´t try this antenna as a shorter version (for 80 and up) but i think it will work like the same
on the 2 lower bands the feeding impedance is low cause the antenna is only
12-15m high in the air but transformed the impedance over quarterwave lenght
to abt 450 ohms
then the balun brings it down to 50 ohms
on 40 the 2 different lenght are half or fullwave so no transforming but the
impedance is
abt 400 ohms in the feeding point and the ladderline is in a matched situation
on the higher bands the ladderline is "almost matched" so it is the same like on 40
not exactly but swr is very low anywhere over 14 megs.... (try on yourself)
if i had a network analyzer i would upload pictures from the measurements but i have none :-(
maybe you can open the 80m loop with a switch to have a (folded) dipole for
160
but pay attention on the lenght of the feeding line ....
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oh what a very big text hi hi
but i think it will help some others to understand this special antenna
:-)
best 73´s de dg9bfc
sigi

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An: ham-antennas@yahoogroups.com
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can something similar (read: smaller) be put together for 80 meters?

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Have you got build instructions for the balun ?

useful to know as my small QTH also needs an aerial to get lower than 20m
band

--
Allan
2e0eak
----- Original Message -----
From: Siegfried Jackstien
To: ham-antennas@yahoogroups.com
Sent: Monday, November 03, 2008 12:22 PM
Subject: AW: [ham-antennas] G5RV Configurations

dear adi
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ladderline and a 1:9 balun
this is really a multibandantenna that works everywhere with low swr and
high gain
but its HUGE :-)
best73´s de dg9bfc
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-----Ursprüngliche Nachricht-----
Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]Im
Auftrag von Adi Toplician
Gesendet: Montag, 3. November 2008 10:51
An: ham-antennas@yahoogroups.com
Betreff: Re: [ham-antennas] G5RV Configurations

Hello Scot,

at least I will be happy to see it. I plan to install a multiband antenna
for a long time, and G5RV is an option.

73, adi, yo2liw

On Mon, Nov 3, 2008 at 2:36 AM, Scott Laughlin <n7net@...> wrote:

> A few weeks ago someone was interested in what configurations a G5RV
> would tolerate and still provide gain. I located my TechNote #124d,
> Building and Installing G5RV Antennas for Effective Multiband
> Performance...by AntennasWest 1999.
>
> On page 13 are Special Purpose configurations:
>
> Inverted U
> Sloper/Vertical/Inverted L
> Bi-Square/Delta
> Shotgun Square/Delta
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> There are limited details on each configuration. If anyone whats more
> information I'll gladly share whats here.
>
> 72 de Scott/n7net/qrp
>
>
>

--
==========
Adrian Toplician
0721 367 850
Timisoara
YO2LIW

[Non-text portions of this message have been removed]

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6672. Re: [ham-antennas] 20 meter 3 el beam

Yahoo group: ham-antennas (2008)
Date: 2008-11-05 13:07:22 UTC
From: Kevin Morgan
Topic: 6670 Message: 6672

bushpilot169 wrote:
> I have put togeather a 20 meter 3 el beam from the ARRL antenna
> hand book, thay called it an optimized beam, in the directions im
> to place a piece of pvc pipe 2.5" id aprox 76" long, and 12" behind
> the dir 1, Can someone tell me why? and if i was to leave it off
> will the beam perform poorly?
>
What page/section is this on? I'd like to look at the actual article
before speculating.

73, Kevin AB2ZI

--
Kevin J. Morgan AB2ZI <kmorgan6@...>

My Webshots Photos http://community.webshots.com/user/kmorgan631

6673. Re: [ham-antennas] 20 meter 3 el beam

Yahoo group: ham-antennas (2008)
Date: 2008-11-05 13:14:58 UTC
From: Kevin Morgan
Topic: 6670 Message: 6673

bushpilot169 wrote:
> I have put togeather a 20 meter 3 el beam from the ARRL antenna
> hand book, thay called it an optimized beam, in the directions im
> to place a piece of pvc pipe 2.5" id aprox 76" long, and 12" behind
> the dir 1, Can someone tell me why? and if i was to leave it off
> will the beam perform poorly?
>
>
OK, I found it. In the article it is described as a "dummy" element to
compensate for torque due to wind loading:

> The last row in each variable tip column shows the
> length of one-half of the ?dummy element? torque compensator
> used to correct for uneven wind loading along
> the boom. This compensator is made from 2.5 inches OD
> PVC water pipe mounted to an element-to-boom plate like
> those used for each element.
In my book (the latest I believe) this is on page 11-16, bottom left,
next to the paragraph that starts "12-Meter Yagis"

So while it won't affect performance of the antenna, it will alter its
mechanical properties.

73, Kevin AB2ZI

--
Kevin J. Morgan AB2ZI <kmorgan6@...>

My Webshots Photos http://community.webshots.com/user/kmorgan631

6674. ARRL Hands on Kit

Yahoo group: ham-antennas (2008)
Date: 2008-11-05 19:43:31 UTC
From: Norm Blitch
Topic: 6674 Message: 6674

Has anyone here used the ARRL Hands on Learning Parts set (and its attendant book) see http://tinyurl.com/5lht9z While I AM hopeful that pure study will get me thru my General test tomorrow night, having now seen just how LIMITED my true solder-head-ness was, I would like to get BOTH fists around it all! <g>

73 de Norm KE4GAH

6675. G5RV Questions

Yahoo group: ham-antennas (2008)
Date: 2008-11-06 17:44:45 UTC
From: n0bn
Topic: 6675 Message: 6675

I have a summer job as a fire lookout on a mountaintop above timberline and have been using a G5RV the last 4 years for all band capability. I'd like some help in either optimally configuring this antenna or in deciding on a different one.

One end of the antenna is on the tower at about 35 feet and the other is on a mast at about 25 feet. The ladderline would reach all the way to the ground so I have been bending it at more or less 10 feet from the top and 10 feet off the ground: I bend it with a small guy line connected to the ground with the antenna end well padded.

As far as I can tell the mountaintop doesn't provide a very good earth ground but the mountain slopes down in all directions ... I have a 50 mile horizon.

I frequently get 40-50 mph winds and sometimes gusts as high at 60-80.

Several questions.
1) Is there an optimal distance from the antenna or earth to bend the ladder line considering I have to make such a bend?
2) Does it make much of a difference whether the antenna is horizontal to the local earth or horizontal to the horizon even if the latter means one end of the antenna is closer to the ground, especially considering it is very low to begin with?
3) Is there another reasonable alternative to the G5RV for multiband use which includes 80 M? (Maybe I could use a 40 M G5RV and add an NVIS 80 M dipole?)
4) Considering the current antenna is only 25-35 feet off the ground, would an full wave 80 M NVIS provide better local (300-500 mile) coverage? I would not be able to set this up horizontal to the horizon but only to the earth. (I don't want to put up several single band antennas but could put up a full wave 80 M dipole since that is the most critical band for most of my daily needs.)

I would appreciate any advice or suggestions (other than go read the ARRL Antenna Book(s) or model it myself)! Thanks!

73 de Daniel N0BN

6676. Re: [ham-antennas] G5RV Questions

Yahoo group: ham-antennas (2008)
Date: 2008-11-06 18:37:16 UTC
From: Leonard K. Pennock
Topic: 6675 Message: 6676

You might take a look at a OSF Diople like
http://hamcall.net/7bandocf.html It sounds like it will do what you want

n0bn wrote:
> 3) Is there another reasonable alternative to the G5RV for multiband
> use which includes 80 M? (Maybe I could use a 40 M G5RV and add an
> NVIS 80 M dipole?)

--
Leonard K. Pennock
AD7AS

Those who walk bravely through life, unafraid of loss or failure,
find that they very rarely lose or fail.

6677. Re: G5RV Questions

Yahoo group: ham-antennas (2008)
Date: 2008-11-06 20:34:19 UTC
From: Scott Laughlin
Topic: 6675 Message: 6677

I have a G5RV that goes to 80 and Jr. that goes to 40. I find the 80 antenna works better on 40. There's more wire and it captures more signal.

The AntennasWest G5RV books claims that if you configure the antenna in an inverted U or a Z it will respond better on higher bands. I haven't tried that.

72 de Scott/n7net/qrp

--- In ham-antennas@yahoogroups.com, "n0bn" <dghazen@...> wrote:
>
> I have a summer job as a fire lookout on a mountaintop above
> timberline and have been using a G5RV the last 4 years for all band
> capability. I'd like some help in either optimally configuring
this
> antenna or in deciding on a different one.
>
> One end of the antenna is on the tower at about 35 feet and the
other
> is on a mast at about 25 feet. The ladderline would reach all the
> way to the ground so I have been bending it at more or less 10 feet
> from the top and 10 feet off the ground: I bend it with a small
guy
> line connected to the ground with the antenna end well padded.
>
> As far as I can tell the mountaintop doesn't provide a very good
> earth ground but the mountain slopes down in all directions ... I
> have a 50 mile horizon.
>
> I frequently get 40-50 mph winds and sometimes gusts as high at 60-
80.
>
> Several questions.
> 1) Is there an optimal distance from the antenna or earth to bend
the
> ladder line considering I have to make such a bend?
> 2) Does it make much of a difference whether the antenna is
> horizontal to the local earth or horizontal to the horizon even if
> the latter means one end of the antenna is closer to the ground,
> especially considering it is very low to begin with?
> 3) Is there another reasonable alternative to the G5RV for
multiband
> use which includes 80 M? (Maybe I could use a 40 M G5RV and add an
> NVIS 80 M dipole?)
> 4) Considering the current antenna is only 25-35 feet off the

ground,
> would an full wave 80 M NVIS provide better local (300-500 mile)
> coverage? I would not be able to set this up horizontal to the
> horizon but only to the earth. (I don't want to put up several
> single band antennas but could put up a full wave 80 M dipole since
> that is the most critical band for most of my daily needs.)
>
> I would appreciate any advice or suggestions (other than go read
the
> ARRL Antenna Book(s) or model it myself)! Thanks!
>
> 73 de Daniel N0BN
>

6678. Re: ARRL Hands on Kit

Yahoo group: ham-antennas (2008)
Date: 2008-11-07 00:54:08 UTC
From: ab2zu
Topic: 6674 Message: 6678

Yes... I was sort of wondering about that myself, and also how the Cub compared to the Ten-Tec kits.

Nathan (AB2ZU)

--- In ham-antennas@yahoogroups.com, Norm Blitch <normblitch@...> wrote:
>
> Has anyone here used the ARRL Hands on Learning Parts set (and its
> attendant book) see http://tinyurl.com/5lht9z While I AM hopeful
> that pure study will get me thru my General test tomorrow night,
> having now seen just how LIMITED my true solder-head-ness was, I
> would like to get BOTH fists around it all! <g>
>
> 73 de Norm KE4GAH
>

6679. Re: HF Antenna Analyzers and Field Strength Meters

Yahoo group: ham-antennas (2008)
Date: 2008-11-07 01:47:02 UTC
From: Jon Maguire
Topic: 6651 Message: 6679

Thank you for all the helpful information. I'm researching the information offered.

73... Jon W1MNK

6680. Matching without a match box

Yahoo group: ham-antennas (2008)
Date: 2008-11-07 02:07:46 UTC
From: Scott Laughlin
Topic: 6680 Message: 6680

Hi,

Next spring intertaining the notion of a few overnight bicycle trips and I'd like to do some CW while I'm resting these bones.

Here's the plan: I'll take along my MFJ-9040 (4 or 5 watts output) and a battery pack--8 D-cells. I have a 40-meter dipole pruned to work without a tuner, but trees aren't always where they need to be. I'd rather use a 40-meter ham stick tuned to about 7.055 mhz so I can leave the tuner at home.

Has anyone on this list ever done that? If so I'd be very interested in the details.

I appreciate your time

72 de Scott/n7net/qrp

6681. Re: [ham-antennas] Re: G5RV Questions

Yahoo group: ham-antennas (2008)
Date: 2008-11-07 02:12:52 UTC
From: Charles Hendrick
Topic: 6675 Message: 6681

where is the center of the anttena, what is the center attached to?
If you can try to do an inverted V. That is how I have mine and it works well.
Chuck n3xib

--- On Thu, 11/6/08, Scott Laughlin <n7net@...> wrote:

From: Scott Laughlin <n7net@...>
Subject: [ham-antennas] Re: G5RV Questions
To: ham-antennas@yahoogroups.com
Date: Thursday, November 6, 2008, 3:34 PM

I have a G5RV that goes to 80 and Jr. that goes to 40. I find the 80
antenna works better on 40. There's more wire and it captures more
signal.

The AntennasWest G5RV books claims that if you configure the antenna
in an inverted U or a Z it will respond better on higher bands. I
haven't tried that.

72 de Scott/n7net/ qrp

--- In ham-antennas@ yahoogroups. com, "n0bn" <dghazen@... > wrote:
>
> I have a summer job as a fire lookout on a mountaintop above
> timberline and have been using a G5RV the last 4 years for all band
> capability. I'd like some help in either optimally configuring
this
> antenna or in deciding on a different one.
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> One end of the antenna is on the tower at about 35 feet and the
other
> is on a mast at about 25 feet. The ladderline would reach all the
> way to the ground so I have been bending it at more or less 10 feet
> from the top and 10 feet off the ground: I bend it with a small
guy
> line connected to the ground with the antenna end well padded.
>
> As far as I can tell the mountaintop doesn't provide a very good
> earth ground but the mountain slopes down in all directions ... I
> have a 50 mile horizon.
>
> I frequently get 40-50 mph winds and sometimes gusts as high at 60-
80.
>
> Several questions.
> 1) Is there an optimal distance from the antenna or earth to bend

the
> ladder line considering I have to make such a bend?
> 2) Does it make much of a difference whether the antenna is
> horizontal to the local earth or horizontal to the horizon even if
> the latter means one end of the antenna is closer to the ground,
> especially considering it is very low to begin with?
> 3) Is there another reasonable alternative to the G5RV for
multiband
> use which includes 80 M? (Maybe I could use a 40 M G5RV and add an
> NVIS 80 M dipole?)
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> would an full wave 80 M NVIS provide better local (300-500 mile)
> coverage? I would not be able to set this up horizontal to the
> horizon but only to the earth. (I don't want to put up several
> single band antennas but could put up a full wave 80 M dipole since
> that is the most critical band for most of my daily needs.)
>
> I would appreciate any advice or suggestions (other than go read
the
> ARRL Antenna Book(s) or model it myself)! Thanks!
>
> 73 de Daniel N0BN
>

[Non-text portions of this message have been removed]

6682. Re: [ham-antennas] Matching without a match box

Yahoo group: ham-antennas (2008)
Date: 2008-11-07 04:27:15 UTC
From: Steve/WM5Z
Topic: 6680 Message: 6682

I haven't, but I know I've seen this done.

He used a firestick for 40 mounted on his motorcycle, and then rolled out a couple of counterpoise for 40 meters when he parked somewhere. I guess it worked pretty good for him.

Steve/WM5Z

Scott Laughlin wrote:
> Hi,
>
> Next spring intertaining the notion of a few overnight bicycle trips
> and I'd like to do some CW while I'm resting these bones.
>
> Here's the plan: I'll take along my MFJ-9040 (4 or 5 watts output) and
> a battery pack--8 D-cells. I have a 40-meter dipole pruned to work
> without a tuner, but trees aren't always where they need to be. I'd
> rather use a 40-meter ham stick tuned to about 7.055 mhz so I can leave
> the tuner at home.
>
> Has anyone on this list ever done that? If so I'd be very interested
> in the details.
>
> I appreciate your time
>
> 72 de Scott/n7net/qrp
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 1446 members (as of 9/26/08, and attachments are NOT permitted.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
>
>

6683. Re: Matching without a match box

Yahoo group: ham-antennas (2008)
Date: 2008-11-07 04:32:23 UTC
From: Scott Laughlin
Topic: 6680 Message: 6683

Steve,

Thanks, that sounds like it's worth a try.

72 de Scott/n7net/qrp
FISTS 8879
SKCC 1964

--- In ham-antennas@yahoogroups.com, Steve/WM5Z <wm5z@...> wrote:
>
> I haven't, but I know I've seen this done.
>
> He used a firestick for 40 mounted on his motorcycle, and then
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somewhere. I
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> Steve/WM5Z
>
> Scott Laughlin wrote:
> > Hi,
> >
> > Next spring intertaining the notion of a few overnight bicycle
trips
> > and I'd like to do some CW while I'm resting these bones.
> >
> > Here's the plan: I'll take along my MFJ-9040 (4 or 5 watts
output) and
> > a battery pack--8 D-cells. I have a 40-meter dipole pruned to
work
> > without a tuner, but trees aren't always where they need to be.
I'd
> > rather use a 40-meter ham stick tuned to about 7.055 mhz so I can
leave
> > the tuner at home.
> >
> > Has anyone on this list ever done that? If so I'd be very
interested
> > in the details.
> >
> > I appreciate your time
> >
> > 72 de Scott/n7net/qrp
> >

> >
> > ----------
> >
> > HAM ANTENNAS Anything and everything, tell us or ask questions.
Replies go to ALL 1446 members (as of 9/26/08, and attachments are
NOT permitted.
> > Post message: ham-antennas@yahoogroups.com
> > Subscribe: ham-antennas-subscribe@yahoogroups.com
> > Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> > List owner: ham-antennas-owner@yahoogroups.com
> > Yahoo! Groups Links
> >
> >
> >
> >
> >
>

6684. PL-259 Installation

Yahoo group: ham-antennas (2008)
Date: 2008-11-07 17:22:38 UTC
From: Jon Maguire
Topic: 6684 Message: 6684

I have severe Rhumatoid Arthritis in my hands, so installing PL-259s has become impossible.
I remember seeing somewhere a tool that would assist in installing the connectors. Any information
on "easy" installation of PL-259s would be greatly appreciated. Thank you.

73... Jon W1MNK

6685. Re: PL-259 Installation

Yahoo group: ham-antennas (2008)
Date: 2008-11-07 17:39:31 UTC
From: Ronald Smith, Jr.
Topic: 6684 Message: 6685

Jon

Something like this?
http://www.shopjavaco.com/page/shopjavaco/PROD/drop_cable_trimmers/UT
8000

Or do you mean putting the fitting on the cable?

73
Ron N2MSV

--- In ham-antennas@yahoogroups.com, Jon Maguire <w1mnk@...> wrote:
>
> I have severe Rhumatoid Arthritis in my hands, so installing PL-
259s has
> become impossible.
> I remember seeing somewhere a tool that would assist in installing
the
> connectors. Any information
> on "easy" installation of PL-259s would be greatly appreciated.
Thank you.
>
> 73... Jon W1MNK
>

6686. Re: PL-259 Installation

Yahoo group: ham-antennas (2008)
Date: 2008-11-07 18:01:51 UTC
From: Jon Maguire
Topic: 6684 Message: 6686

Ron, this is great!! Is there any way to make fitting the connector on the cable
easier? Thanks for the quick reply.

73... Jon W1MNK
> Jon
>
> Something like this?
> http://www.shopjavaco.com/page/shopjavaco/PROD/drop_cable_trimmers/UT
> 8000
>
> Or do you mean putting the fitting on the cable?
>
> 73
> Ron N2MSV

6687. Re: [ham-antennas] PL-259 Installation

Yahoo group: ham-antennas (2008)
Date: 2008-11-07 20:13:47 UTC
From: Mike Heppe
Topic: 6684 Message: 6687

Joe, contact me..I might have something of interest towards your arthritis pain. I have arthritis and no more pain from it!....No Strings...
----- Original Message -----
From: Jon Maguire
To: ham-antennas@yahoogroups.com
Sent: Friday, November 07, 2008 11:22 AM
Subject: [ham-antennas] PL-259 Installation

I have severe Rhumatoid Arthritis in my hands, so installing PL-259s has
become impossible.
I remember seeing somewhere a tool that would assist in installing the
connectors. Any information
on "easy" installation of PL-259s would be greatly appreciated. Thank you.

73... Jon W1MNK

[Non-text portions of this message have been removed]

6688. Re: PL-259 Installation

Yahoo group: ham-antennas (2008)
Date: 2008-11-07 19:34:47 UTC
From: Ronald Smith, Jr.
Topic: 6684 Message: 6688

Jon,

I have Cerebral Palsy, so I can relate to your frustration.
I can't hold the cable tight enough with my hands to prepare the
cable and put the fitting on.
I have been experimenting with a spark plug wire puller to hold the
cable / coax. You don't want to damage the jacket on the coax cable.
And a pair of channel locks type pliers with the jaws taped with
electrical type tape to not damage the fitting.
This is something you need to experiment with, to find what works
best for you. I hope this gives you some ideas.

73
Ron N2MSV

--- In ham-antennas@yahoogroups.com, Jon Maguire <w1mnk@...> wrote:
>
> Ron, this is great!! Is there any way to make fitting the
connector on
> the cable
> easier? Thanks for the quick reply.
>
> 73... Jon W1MNK
> > Jon
> >
> > Something like this?
> >
http://www.shopjavaco.com/page/shopjavaco/PROD/drop_cable_trimmers/UT
> > 8000
> >
> > Or do you mean putting the fitting on the cable?
> >
> > 73
> > Ron N2MSV
>

6689. Re: [ham-antennas] Digest Number 1178

Yahoo group: ham-antennas (2008)
Date: 2008-11-07 19:53:33 UTC
From: w1ho
Topic: 6689 Message: 6689

antennas-hamDaniel,

Since you're using a tuner with the G5RV, why not consider an inverted L? Seems horizontal distance isn't too much problem for you, and you have the tower as the vertical support.

I highly recommend you check out LB Cebik's (SK) site,which is www.cebik.com. LB passed away this past spring, but his family and the folks at Antennex are keeping the site available. There is much info there on NVIS, G5RV, Inverted L and many other antennas. It requires a free registration to access the site.

Once you're on the main page, click on "Tales and Technicals", and then look at all the categories. You will find a whole category each on lower HF horizontal and lower HF vertical. I think you'll find much to help you decide.

73,

Howard
W1HO

Daniel wrote:
G5RV Questions
Posted by: "n0bn" dghazen@... n0bn
Thu Nov 6, 2008 9:44 am (PST)
I have a summer job as a fire lookout on a mountaintop above timberline and have been using a G5RV the last 4 years for all band capability. I'd like some help in either optimally configuring this antenna or in deciding on a different one.

One end of the antenna is on the tower at about 35 feet and the other is on a mast at about 25 feet. The ladderline would reach all the way to the ground so I have been bending it at more or less 10 feet from the top and 10 feet off the ground: I bend it with a small guy line connected to the ground with the antenna end well padded.

As far as I can tell the mountaintop doesn't provide a very good earth ground but the mountain slopes down in all directions ... I have a 50 mile horizon.

I frequently get 40-50 mph winds and sometimes gusts as high at 60-80.

Several questions.
1) Is there an optimal distance from the antenna or earth to bend the ladder line considering I have to make such a bend?
2) Does it make much of a difference whether the antenna is horizontal to the local earth or horizontal to the horizon even if the latter means one end of the antenna is closer to the ground, especially considering it is very low to begin with?

3) Is there another reasonable alternative to the G5RV for multiband use which includes 80 M? (Maybe I could use a 40 M G5RV and add an NVIS 80 M dipole?)
4) Considering the current antenna is only 25-35 feet off the ground, would an full wave 80 M NVIS provide better local (300-500 mile) coverage? I would not be able to set this up horizontal to the horizon but only to the earth. (I don't want to put up several single band antennas but could put up a full wave 80 M dipole since that is the most critical band for most of my daily needs.)

I would appreciate any advice or suggestions (other than go read the ARRL Antenna Book(s) or model it myself)! Thanks!

73 de Daniel N0BN

[Non-text portions of this message have been removed]

6690. Dipole Sealant

Yahoo group: ham-antennas (2008)
Date: 2008-11-07 22:48:44 UTC
From: kb3oyf
Topic: 6690 Message: 6690

Can anyone recommend a sealant to use at the end of a coax cable that is connected to a dipole. I don't want water to get back into the coax.

Thanks for you help.

Joe
KB3OYF

6691. RE: [ham-antennas] Dipole Sealant

Yahoo group: ham-antennas (2008)
Date: 2008-11-07 23:15:28 UTC
From: Callum M0MCX
Topic: 6690 Message: 6691

Joe,

Most us in the UK use some self-amalgamating tape and wrap this around the connector. It goes like a fluid rubber that needs to be cut with a sharp knife to remove. Some folks spray the connector with a grease before fitting the tape. I've also heard of glue guns being used then electrical tape.

I've recently moved over to waterproof PL259 connectors that fit the same as N-Types but of a very high quality. In our money, they're nearly 10 UK Pounds each (15 dollars for you chaps). They're from SSB Electronics in Germany. Same company that makes that fantastic Ecoflex. I just bought 100 meters of coflex 15 and it's lovely stuff.

Callum McCormick

http://www.m0mcx.co.uk/

Mountains rock

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of kb3oyf
Sent: 07 November 2008 22:49
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Dipole Sealant

Can anyone recommend a sealant to use at the end of a coax cable that is connected to a dipole. I don't want water to get back into the coax.

Thanks for you help.

Joe
KB3OYF

[Non-text portions of this message have been removed]

6692. Re: Dipole Sealant

Yahoo group: ham-antennas (2008)
Date: 2008-11-07 23:16:17 UTC
From: Scott Laughlin
Topic: 6690 Message: 6692

Joe,

I suppose there's a more proper procedure, but I've used Hot Glue and then wrap it up in electrical tape. It's worked for me.

72 de Scott/n7net/qrp

--- In ham-antennas@yahoogroups.com, "kb3oyf" <kb3oyf@...> wrote:
>
> Can anyone recommend a sealant to use at the end of a coax cable that
> is connected to a dipole. I don't want water to get back into the
coax.
>
> Thanks for you help.
>
> Joe
> KB3OYF
>

6693. Re: [ham-antennas] PL-259 Installation

Yahoo group: ham-antennas (2008)
Date: 2008-11-07 23:20:06 UTC
From: Don Rand
Topic: 6684 Message: 6693

Check www.dxengineering.com

Product is DXE-UT-80P

I just ordered one. Total Cost with shipping is $30.00. A bit steep but if it works as slick as the cable stripper, it will be worth it.

Don
KA5DON

----- Original Message -----
From: Jon Maguire
To: ham-antennas@yahoogroups.com
Sent: Friday, November 07, 2008 11:22 AM
Subject: [ham-antennas] PL-259 Installation

I have severe Rhumatoid Arthritis in my hands, so installing PL-259s has
become impossible.
I remember seeing somewhere a tool that would assist in installing the
connectors. Any information
on "easy" installation of PL-259s would be greatly appreciated. Thank you.

73... Jon W1MNK

[Non-text portions of this message have been removed]

6694. Re: [ham-antennas] Dipole Sealant

Yahoo group: ham-antennas (2008)
Date: 2008-11-08 00:04:37 UTC
From: Steve/WM5Z
Topic: 6690 Message: 6694

I use stuff called Liquid Tape.

Dries quick, can be removed for repairs, and comes in lots of pretty colors.

Steve/WM5Z

kb3oyf wrote:
> Can anyone recommend a sealant to use at the end of a coax cable that
> is connected to a dipole. I don't want water to get back into the coax.
>
> Thanks for you help.
>
> Joe
> KB3OYF
>
>
> ----------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 1446
members (as of 9/26/08, and attachments are NOT permitted.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
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>

6695. RE: [ham-antennas] PL-259 Installation

Yahoo group: ham-antennas (2008)
Date: 2008-11-08 00:52:59 UTC
From: Jerry Stern
Topic: 6684 Message: 6695

I have both the UT-8000 and the near identical DXE-UT-80 and both are OK as long as you have a stiff coax jacket material. It is useless with TIMES BuryFlex or similar where the jacket material is so soft it does twists within the tool and does not strip properly.

jerry
K1JOS

-----Original Message-----
From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Don Rand
Sent: Friday, November 07, 2008 6:20 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] PL-259 Installation

Check www.dxengineering.com

Product is DXE-UT-80P

I just ordered one. Total Cost with shipping is $30.00. A bit steep but if it works as slick as the cable stripper, it will be worth it.

Don
KA5DON

----- Original Message -----
From: Jon Maguire
To: ham-antennas@ <mailto:ham-antennas%40yahoogroups.com> yahoogroups.com
Sent: Friday, November 07, 2008 11:22 AM
Subject: [ham-antennas] PL-259 Installation

I have severe Rhumatoid Arthritis in my hands, so installing PL-259s has become impossible.
I remember seeing somewhere a tool that would assist in installing the connectors. Any information
on "easy" installation of PL-259s would be greatly appreciated. Thank you.

73... Jon W1MNK

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

6696. Re: [ham-antennas] Dipole Sealant

Yahoo group: ham-antennas (2008)
Date: 2008-11-08 01:05:03 UTC
From: vlincoln
Topic: 6690 Message: 6696

I have used silicone caulk in the past, either clear or white.
just glob it on, let it dry overnight.
van lincoln
wd8aam

At 22:48 11/7/2008, you wrote:

>Can anyone recommend a sealant to use at the end of a coax cable that
>is connected to a dipole. I don't want water to get back into the coax.
>
>Thanks for you help.
>
>Joe
>KB3OYF
>
>

[Non-text portions of this message have been removed]

6697. RE: [ham-antennas] Dipole Sealant

Yahoo group: ham-antennas (2008)
Date: 2008-11-08 01:30:47 UTC
From: James M.(Jim) Geidl
Topic: 6690 Message: 6697

Joe,

I use silicon tape. You stretch it around whatever you are trying to seal. It fills in cracks and such and sort of melts to itself. When you are done it is really really water tight. If you want to remove it you can just cut it off like any other tape. The liquid products work but they are so messy.

Jim, K6JMG
www.spinochio.com

//

> -----Original Message-----
> From: ham-antennas@yahoogroups.com
> [mailto:ham-antennas@yahoogroups.com] On Behalf Of kb3oyf
> Sent: Friday, November 07, 2008 2:49 PM
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] Dipole Sealant
>
> Can anyone recommend a sealant to use at the end of a coax
> cable that is connected to a dipole. I don't want water to
> get back into the coax.
>
> Thanks for you help.
>
> Joe
> KB3OYF

6698. Re: [ham-antennas] PL-259 Installation

Yahoo group: ham-antennas (2008)
Date: 2008-11-08 10:49:43 UTC
From: patrick.obrien47
Topic: 6684 Message: 6698

HI, I just seen the video of the DXE-UT-80P but still don't understand what it does??? As you see the PL259 parts being being put onto the coax , and the coax has been prepared read for the DXE-UT-80P, so does it only screw the 259 onto the coax ?? as i have done that by hand every time, or is it a tool for people that have restricted use of the hands.
Patrick GW1SXN
----- Original Message -----
From: "Don Rand" <drand@...>
To: <ham-antennas@yahoogroups.com>
Sent: Friday, November 07, 2008 11:20 PM
Subject: Re: [ham-antennas] PL-259 Installation

> Check www.dxengineering.com
>
> Product is DXE-UT-80P
>
> I just ordered one. Total Cost with shipping is $30.00. A bit steep but
> if it works as slick as the cable stripper, it will be worth it.
>
> Don
> KA5DON
>
>
> ----- Original Message -----
> From: Jon Maguire
> To: ham-antennas@yahoogroups.com
> Sent: Friday, November 07, 2008 11:22 AM
> Subject: [ham-antennas] PL-259 Installation
>
>
> I have severe Rhumatoid Arthritis in my hands, so installing PL-259s has
> become impossible.
> I remember seeing somewhere a tool that would assist in installing the
> connectors. Any information
> on "easy" installation of PL-259s would be greatly appreciated. Thank
> you.
>
> 73... Jon W1MNK
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

>
> ----------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
> to ALL 1446 members (as of 9/26/08, and attachments are NOT permitted.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>

No virus found in this incoming message.
Checked by AVG - http://www.avg.com
Version: 8.0.175 / Virus Database: 270.9.0/1773 - Release Date: 07/11/2008
09:08

No virus found in this outgoing message.
Checked by AVG - http://www.avg.com
Version: 8.0.175 / Virus Database: 270.9.0/1774 - Release Date: 07/11/2008 19:58

[Non-text portions of this message have been removed]

6699. Re: PL-259 Installation

Yahoo group: ham-antennas (2008)
Date: 2008-11-08 16:36:36 UTC
From: Al
Topic: 6684 Message: 6699

Jon,
Here is a good tutorial on installing crimp-on PL-259s;

http://www.bcdxc.org/pl259_crimp_on_connectors.htm

Also www.talleycom.com

has many crimper tools and the crimp-on PL-259 for both fat and
skinny coax.

73, Al, N6TEZ

--- In ham-antennas@yahoogroups.com, Jon Maguire <w1mnk@...> wrote:
>
> I have severe Rhumatoid Arthritis in my hands, so installing PL-
259s has
> become impossible.
> I remember seeing somewhere a tool that would assist in installing
the
> connectors. Any information
> on "easy" installation of PL-259s would be greatly appreciated.
Thank you.
>
> 73... Jon W1MNK
>

6700. RE: [ham-antennas] Dipole Sealant

Yahoo group: ham-antennas (2008)
Date: 2008-11-08 23:54:04 UTC
From: Kirk Morrison
Topic: 6690 Message: 6700

The liquid rubber paints like dip it work great, as does coax seal, and some other things. Here is what I do, I take and wrap the connection with electrical tape leaving the bottom of the male connector uncovered to allow it to breath and let out humidity so it doesn't flow down the braid. Then I wrap with coax seal and , leave the lower end uncovered again, I have never had water trouble this way. I have a cell tower on my farm and the tower crew did the connections that way up top so I followed their example.

Kirk
KA4PXK

"He who has honor need not fear death."

Eva Marie LeGrand Morrison KI4VFZ 5/24/1958-6/26/2008

My beloved wife, and my best friend, I miss you

To: ham-antennas@yahoogroups.com
From: kb3oyf@...
Date: Fri, 7 Nov 2008 22:48:44 +0000
Subject: [ham-antennas] Dipole Sealant

Can anyone recommend a sealant to use at the end of a coax cable that

is connected to a dipole. I don't want water to get back into the coax.

Thanks for you help.

Joe

KB3OYF

_____
Windows Live Hotmail now works up to 70% faster.
http://windowslive.com/Explore/Hotmail?ocid=TXT_TAGLM_WL_hotmail_acq_faster_112008

[Non-text portions of this message have been removed]

6701. Celwave hardline connector

Yahoo group: ham-antennas (2008)
Date: 2008-11-09 19:56:16 UTC
From: Glen
Topic: 6701 Message: 6701

Hello,

I received some hardline, which looks identical to Andrews 7/8". I rounded up some Andrews connectors, only to find out that this is Celwave solid center
conductor 7/8".

Anyone know a source for some connectors? Used is OK with me!

73's

Glen K4KV
Moultrie, GA
www.mds-ham.com

6702. Beginners Question on Coax

Yahoo group: ham-antennas (2008)
Date: 2008-11-09 22:49:20 UTC
From: amschler_clan
Topic: 6702 Message: 6702

I just came in to about 25 feet of What I believe is RG58 or 59 from our local HDTV installer who had it left over. Knowing that I am a Ham and on disability he thought I could use it. Now here is my question and dilemma. I am building antenna's of indoor use.

I believe it is 75 ohm. double sheilded solid copper core, can I make an open balun loop with a portion of it to balance it down to 50ohm or do I have to get a matching ciol?

2. AND I haven't found a cheap place here in Seattle to buy the old style twin lead antenna wire (not ladder line)I found 1 box of this wire 50 feet $70.00!

So there you go two huge questions for a roolie antenna builder.

Thanks
73's
Paul
ke7wtk

6703. RE: [ham-antennas] Beginners Question on Coax

Yahoo group: ham-antennas (2008)
Date: 2008-11-09 22:57:41 UTC
From: Richard Schmuke
Topic: 6702 Message: 6703

If you got it from a TV man it most likely will be 75 ohm. What type of radio are you going to hook up to, most can work with 75 ohm line , just a little bump in the matching , no special device needed.

Rich , KDØZZ

Disclaimer: Any errors in spelling or facts are transmission errors.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of amschler_clan
Sent: Sunday, November 09, 2008 4:49 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Beginners Question on Coax

I just came in to about 25 feet of What I believe is RG58 or 59 from our local HDTV installer who had it left over. Knowing that I am a Ham and on disability he thought I could use it. Now here is my question and dilemma. I am building antenna's of indoor use.

I believe it is 75 ohm. double sheilded solid copper core, can I make an open balun loop with a portion of it to balance it down to 50ohm or do I have to get a matching ciol?

2. AND I haven't found a cheap place here in Seattle to buy the old style twin lead antenna wire (not ladder line)I found 1 box of this wire 50 feet $70.00!

So there you go two huge questions for a roolie antenna builder.

Thanks
73's
Paul
ke7wtk

[Non-text portions of this message have been removed]

6704. Re: [ham-antennas] Beginners Question on Coax

Yahoo group: ham-antennas (2008)
Date: 2008-11-09 22:58:30 UTC
From: Leonard K. Pennock
Topic: 6702 Message: 6704

It is most likely RG6. That is the most common used stuff now days.

I wouldn't worry about matching from 75 ohm to 50 ohm. You would have
more loss in the matching network than the 1.2:1 SWR will give you.

amschler_clan wrote:
> I just came in to about 25 feet of What I believe is RG58 or 59 from
> our local HDTV installer who had it left over. Knowing that I am a Ham
> and on disability he thought I could use it. Now here is my question
> and dilemma. I am building antenna's of indoor use.
>
> I believe it is 75 ohm. double sheilded solid copper core, can I make
> an open balun loop with a portion of it to balance it down to 50ohm or
> do I have to get a matching ciol?
>
//docs.yahoo.com/info/terms/

--
Leonard K. Pennock
AD7AS

Those who walk bravely through life, unafraid of loss or failure,
find that they very rarely lose or fail.

6705. Re: Beginners Question on Coax

Yahoo group: ham-antennas (2008)
Date: 2008-11-09 23:10:15 UTC
From: Scott Laughlin
Topic: 6702 Message: 6705

Paul,

I've not had much luck with the foil shield used on the coax you have, but maybe with the proper tools it will work for you. I don't know why couldn't make a balun with it.

I guess you are talking about the 300 ohm twin lead? It's harder to find these day. Call you local Ace Hardware Store. I bought some there about a year ago.

You can fabricate a pretty nice 2-meter j-pole from the twin lead. If you don't have the plans I can email them to you. Sometimes the VSWRs don't want to settle down when it's finished. If you have that problem you can make a decoupler with a six inch loop of the coax, three or four turn at the base of the antenna.

Welcome to amateur radio.

72 de Scott/n7net/qrp

--- In ham-antennas@yahoogroups.com, "amschler_clan"
<amschler_clan@...> wrote:
>
> I just came in to about 25 feet of What I believe is RG58 or 59 from
> our local HDTV installer who had it left over. Knowing that I am a
Ham
> and on disability he thought I could use it. Now here is my question
> and dilemma. I am building antenna's of indoor use.
>
> I believe it is 75 ohm. double sheilded solid copper core, can I
make
> an open balun loop with a portion of it to balance it down to 50ohm
or
> do I have to get a matching ciol?
>
> 2. AND I haven't found a cheap place here in Seattle to buy the old
> style twin lead antenna wire (not ladder line)I found 1 box of this
> wire 50 feet $70.00!
>
> So there you go two huge questions for a roolie antenna builder.
>
> Thanks
> 73's
> Paul
> ke7wtk
>

6706. Beginners Question on Coax

Yahoo group: ham-antennas (2008)
Date: 2008-11-10 02:30:54 UTC
From: amschler_clan
Topic: 6702 Message: 6706

I just came in to about 25 feet of What I believe is RG58 or 59 from our local HDTV installer who had it left over. Knowing that I am a Ham and on disability he thought I could use it. Now here is my question and dilemma. I am building antenna's of indoor use.

I believe it is 75 ohm. double sheilded solid copper core, can I make an open balun loop with a portion of it to balance it down to 50ohm or do I have to get a matching ciol?

2. AND I haven't found a cheap place here in Seattle to buy the old style twin lead antenna wire (not ladder line)I found 1 box of this wire 50 feet $70.00!

So there you go two huge questions for a roolie antenna builder.

Thanks
73's
Paul
ke7wtk

6707. Longwire antenna

Yahoo group: ham-antennas (2008)
Date: 2008-11-10 02:39:54 UTC
From: Scott Laughlin
Topic: 6707 Message: 6707

Hi,

I have a Small Wonder 20 that I've tuned to operate from 14.057 mhz to 14.095 mhz which covers the QRP frequency. The center frequency is 14.078 mhz. The antenna formula says that a wire 33' 3" resonate at that frequency. Will it resonate without a tuner?

I've already built a dipole that resonates at 14.078, but places to hang a dipole are not always convenient. So, I'm interested in doing the same thing with a long wire.

Tuners for dipoles are different than those for a long wire, so I'm wondering if I'm barking up the wrong tree, trying to resonate this wire without a tuner. Is a long wire considered a balanced load? I can't find a defination in the antenna book. Could I get away with wiring in a balun between the wire and the counterpoise and treating it as a twin lead?

I realize I need a countepoise or two. I haven't determined a length for those yet.

72 de Scott/n7net/qrp

6708. RE: [ham-antennas] Beginners Question on Coax

Yahoo group: ham-antennas (2008)
Date: 2008-11-10 02:57:27 UTC
From: Richard Schmuke
Topic: 6702 Message: 6708

Paul

What do you want the 300 ohm line for ???? You are going to build what??
How long , I have some and it sure won☐t be $70

I have made J-Poles and Slim-Jims and made my own twin lead. The slim-jim is
just a wire on each side of a wooden stick. What are you trying to make??
I am sure someone here can help.

Rich , KDØZZ

Disclaimer: Any errors in spelling or facts are transmission errors.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On
Behalf Of amschler_clan
Sent: Sunday, November 09, 2008 8:31 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Beginners Question on Coax

I just came in to about 25 feet of What I believe is RG58 or 59 from
our local HDTV installer who had it left over. Knowing that I am a Ham
and on disability he thought I could use it. Now here is my question
and dilemma. I am building antenna's of indoor use.

I believe it is 75 ohm. double sheilded solid copper core, can I make
an open balun loop with a portion of it to balance it down to 50ohm or
do I have to get a matching ciol?

2. AND I haven't found a cheap place here in Seattle to buy the old
style twin lead antenna wire (not ladder line)I found 1 box of this
wire 50 feet $70.00!

So there you go two huge questions for a roolie antenna builder.

Thanks
73's
Paul
ke7wtk

[Non-text portions of this message have been removed]

6709. RE: [ham-antennas] Beginners Question on Coax

Yahoo group: ham-antennas (2008)
Date: 2008-11-10 03:32:50 UTC
From: Kirk Morrison
Topic: 6702 Message: 6709

Don't worry about the RG 59 75 ohms is close enough you will only have theoretical miss match of 1.5:1 and in practice it will be more or less and you don't really need from a practical stand point to worry until it is around 3 or 4 to 1 any antenna tuner will fix it easily.

That must be some fine twin lead i buy mine for about 15 dollars per 100 feet

Kirk

"He who has honor need not fear death."

Eva Marie LeGrand Morrison 5/24/1958-6/26/2008

My beloved wife, and my best friend, I miss you

To: ham-antennas@yahoogroups.com
From: amschler_clan@...
Date: Sun, 9 Nov 2008 22:49:20 +0000
Subject: [ham-antennas] Beginners Question on Coax

I just came in to about 25 feet of What I believe is RG58 or 59 from

our local HDTV installer who had it left over. Knowing that I am a Ham

and on disability he thought I could use it. Now here is my question

and dilemma. I am building antenna's of indoor use.

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wire 50 feet $70.00!

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Thanks

73's

Paul

ke7wtk

Windows Live Hotmail now works up to 70% faster.
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[Non-text portions of this message have been removed]

6710. AW: [ham-antennas] Longwire antenna

Yahoo group: ham-antennas (2008)
Date: 2008-11-10 14:52:31 UTC
From: Siegfried Jackstien
Topic: 6707 Message: 6710

dear scott
if you wanna make a longwire for that qrg it is easy to build a stepup transformer
1:9 called "unun" not a balun
just take a "amidon red" core
take 3 wires in parallel
solder the beginnings end endings in that way that you have 10 windings in the input and 30 windings in the output
if you would cut the core it would look like this

```
c--------O 450 Ohm output > > > > to longwire
c
c
c
c
c
c
c
c
c
O solder joint
c
c
c
c
c
c
c
c
c
c
O solder joint and 50 Ohm input
c
c
c
c
c
c
c
c
c
c
O gnd
```

i hope that you understand my explanation
very easy to build that stepup transformer
hope that helps a bit
best 73´s de dg9bfc
sigi

-----Ursprüngliche Nachricht-----
Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]Im Auftrag von Scott Laughlin
Gesendet: Montag, 10. November 2008 02:40
An: ham-antennas@yahoogroups.com
Betreff: [ham-antennas] Longwire antenna

Hi,

I have a Small Wonder 20 that I've tuned to operate from 14.057 mhz to 14.095 mhz which covers the QRP frequency. The center frequency is 14.078 mhz. The antenna formula says that a wire 33' 3" resonate at that frequency. Will it resonate without a tuner?

I've already built a dipole that resonates at 14.078, but places to hang a dipole are not always convenient. So, I'm interested in doing the same thing with a long wire.

Tuners for dipoles are different than those for a long wire, so I'm wondering if I'm barking up the wrong tree, trying to resonate this wire without a tuner. Is a long wire considered a balanced load? I can't find a defination in the antenna book. Could I get away with wiring in a balun between the wire and the counterpoise and treating it as a twin lead?

I realize I need a countepoise or two. I haven't determined a length for those yet.

72 de Scott/n7net/qrp

[Non-text portions of this message have been removed]

6711. RE: AW: [ham-antennas] Longwire antenna

Yahoo group: ham-antennas (2008)
Date: 2008-11-10 15:15:00 UTC
From: Kirk Morrison
Topic: 6707 Message: 6711

Definition of a long wire antenna is any antenna that is multiple wave lengths long at the lowest operating frequency. Most so called long wire antennas are really random wire antennas.

Kirk

"He who has honor need not fear death."

Eva Marie LeGrand Morrison 5/24/1958-6/26/2008

My beloved wife, and my best friend, I miss you

To: ham-antennas@yahoogroups.com
From: siegfried.jackstien@...
Date: Mon, 10 Nov 2008 14:52:31 +0000
Subject: AW: [ham-antennas] Longwire antenna

dear scott

if you wanna make a longwire for that qrg it is easy to build a stepup

transformer

1:9 called "unun" not a balun

just take a "amidon red" core

take 3 wires in parallel

solder the beginnings end endings in that way that you have 10 windings in

the input and 30 windings in the output

if you would cut the core it would look like this

c--------O 450 Ohm output > > > > to longwire

c

c

c

c

c

c

c

c

c

O solder joint

c

c

c

c

c

c

c

c

c

c

O solder joint and 50 Ohm input

c

c

c

c

c

c

c

c

c

c

O gnd

i hope that you understand my explanation

very easy to build that stepup transformer

hope that helps a bit

best 73´s de dg9bfc

sigi

-----Ursprüngliche Nachricht-----

Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]Im

Auftrag von Scott Laughlin

Gesendet: Montag, 10. November 2008 02:40

An: ham-antennas@yahoogroups.com

Betreff: [ham-antennas] Longwire antenna

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is 14.078 mhz. The antenna formula says that a wire 33' 3" resonate

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for those yet.

72 de Scott/n7net/qrp

[Non-text portions of this message have been removed]

_____
Color coding for safety: Windows Live Hotmail alerts you to suspicious email.
http://windowslive.com/Explore/Hotmail?ocid=TXT_TAGLM_WL_hotmail_acq_safety_112008

[Non-text portions of this message have been removed]

6712. Re: Beginners Question on Coax

Yahoo group: ham-antennas (2008)
Date: 2008-11-10 17:04:02 UTC
From: ikeisaacks
Topic: 6702 Message: 6712

If you're talking 300ohm twin lead like the old tv line, RadioShack
has 100 feet for less than $20.

73
K0CRI

--- In ham-antennas@yahoogroups.com, "amschler_clan"
<amschler_clan@...> wrote:
>
> I just came in to about 25 feet of What I believe is RG58 or 59 from
> our local HDTV installer who had it left over. Knowing that I am a
Ham
> and on disability he thought I could use it. Now here is my question
> and dilemma. I am building antenna's of indoor use.
>
> I believe it is 75 ohm. double sheilded solid copper core, can I
make
> an open balun loop with a portion of it to balance it down to 50ohm
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> do I have to get a matching ciol?
>
> 2. AND I haven't found a cheap place here in Seattle to buy the old
> style twin lead antenna wire (not ladder line)I found 1 box of this
> wire 50 feet $70.00!
>
> So there you go two huge questions for a roolie antenna builder.
>
> Thanks
> 73's
> Paul
> ke7wtk
>

6713. RE: [ham-antennas] Re: Beginners Question on Coax

Yahoo group: ham-antennas (2008)
Date: 2008-11-10 17:22:46 UTC
From: Kirk Morrison
Topic: 6702 Message: 6713

good TV type twinlead not like the garbage you find in some stores but Radio Shack and other higher quality 300 ohm will handle between 600 and 800 watts without to much trouble as long as the SWR is reasonable.

Kirk

"He who has honor need not fear death."

Eva Marie LeGrand Morrison 5/24/1958-6/26/2008

My beloved wife, and my best friend, I miss you

To: ham-antennas@yahoogroups.com
From: ikeisaacks@...
Date: Mon, 10 Nov 2008 17:04:02 +0000
Subject: [ham-antennas] Re: Beginners Question on Coax

If you're talking 300ohm twin lead like the old tv line, RadioShack

has 100 feet for less than $20.

73

K0CRI

--- In ham-antennas@yahoogroups.com, "amschler_clan"

<amschler_clan@...> wrote:

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> and on disability he thought I could use it. Now here is my question

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> style twin lead antenna wire (not ladder line)I found 1 box of this

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> Thanks

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> Paul

> ke7wtk

>

_____
Get 5 GB of storage with Windows Live Hotmail.
http://windowslive.com/Explore/Hotmail?ocid=TXT_TAGLM_WL_hotmail_acq_5gb_112008

[Non-text portions of this message have been removed]

6714. Dual band dipoles

Yahoo group: ham-antennas (2008)
Date: 2008-11-10 18:26:31 UTC
From: Norm Blitch
Topic: 6714 Message: 6714

Is there any appreciable difference between the performance of a single-band wire dipole, compared to a two band fan style? I'm considering a 20 - 40 meter dipole sharing a common balun...

73 de Norm KE4GAH/AG

6715. Re: [ham-antennas] Dual band dipoles

Yahoo group: ham-antennas (2008)
Date: 2008-11-10 19:33:57 UTC
From: Steve/WM5Z
Topic: 6714 Message: 6715

Hi Norm,

I am presently using a Fan Dipole set up with 80/160 on the top, long leg. This is a trap dipole.

The next leg down is 40/75 trapped dipole.

The third leg down is a 60/30 meter dipole.

Everything is really happy, including the 75/80 band where there are two distinct dips each at just over 100KHz wide, one on the CW end, and the other on the phone end. 160 meters is 60 KHz wide, and that would be normal for the trapped length. 40 meters is 250 KHz wide and 30 meters is full band. All of this is with an SWR at minimum of less than 1.3:1 and at 3:1 when at the extremes. The center of the antenna is mounted at 40 feet, and the ends are at 20 feet up for the top leg, and at 10 feet for the bottom leg. On the 160/80/60/40 meter bands it is a cloud burner, but works really well for local nets. 30 meters starts to work like you would hope.

If I had the ability, I would love to put up a 66 foot tall vertical for working DX. As it is, I know it isn't the best for DX, but I still make some contacts.

When building it, I put a pulley on the top of the poles so I could raise and lower the antenna to tune it. I first set up the 160/80 meter legs for the very bottom of the bands. Then I dis-connected those legs and hung the 75/40 meter legs and tuned them for the lower end. I then re-connected the 160/80 legs, and found the antenna moved up just slightly. I left those right where they were and hung the 60/30 legs. I just cut to formula for the bottom of the bands, and they work just fine.

You may or may not have more interaction but I was very pleased as to how simple it came out being.

My overall lengths were 160' for the 160/80 meter bands and shorter for the other bands. Oh, and as a bonus, I also have 17, 15, 24 and 28.5 MHz bands, though the SWR is higher there, being near 2:1, but still useful.

I am feeding mine with 75 feet of LMR-400, with a homemade center insulator, no balun.

Steve/WM5Z

Norm Blitch wrote:
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> single-band wire dipole, compared to a two band fan style? I'm
> considering a 20 - 40 meter dipole sharing a common balun...

>
> 73 de Norm KE4GAH/AG
>

6716. RE: [ham-antennas] Dual band dipoles

Yahoo group: ham-antennas (2008)
Date: 2008-11-10 20:34:39 UTC
From: Richard Schmuke
Topic: 6714 Message: 6716

The only thing I have to say is make your 20m a little long and run it up to operating height and check SWR. I have one for 80/40/20/17/10 and I had the higher frequencies interacting with each other. It will depend on how close you wires are to each other.

Rich , KDØZZ

These are the humble ramblings of an old phart and in no way should they influence the actions of any intelligent and sane person

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Norm Blitch
Sent: Monday, November 10, 2008 12:27 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Dual band dipoles

Is there any appreciable difference between the performance of a single-band wire dipole, compared to a two band fan style? I'm considering a 20 - 40 meter dipole sharing a common balun...

73 de Norm KE4GAH/AG

[Non-text portions of this message have been removed]

6717. Re: Longwire antenna

Yahoo group: ham-antennas (2008)
Date: 2008-11-11 03:25:16 UTC
From: Scott Laughlin
Topic: 6707 Message: 6717

Thanks for the help on that long wire. I forgot some pretty basic things. Armed with new information I should have already known I turned back to the literature and got the picture.

Many thanks

Scott/n7net/qrp

--- In ham-antennas@yahoogroups.com, "Siegfried Jackstien" <siegfried.jackstien@...> wrote:
>
> dear scott
> if you wanna make a longwire for that qrg it is easy to build a stepup
> transformer
> 1:9 called "unun" not a balun
> just take a "amidon red" core
> take 3 wires in parallel
> solder the beginnings end endings in that way that you have 10 windings in
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> c--------O 450 Ohm output > > > > to longwire
> c
> c
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> O solder joint
> c
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> c
> c
> c
> c
> c
> c
> c
> O solder joint and 50 Ohm input
> c

> c
> c
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> c
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> O gnd
>
> i hope that you understand my explanation
> very easy to build that stepup transformer
> hope that helps a bit
> best 73´s de dg9bfc
> sigi
>
> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-
antennas@yahoogroups.com]Im
> Auftrag von Scott Laughlin
> Gesendet: Montag, 10. November 2008 02:40
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Longwire antenna
>
>
> Hi,
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> I have a Small Wonder 20 that I've tuned to operate from 14.057
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> to 14.095 mhz which covers the QRP frequency. The center frequency
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> Tuners for dipoles are different than those for a long wire, so
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> wiring in a balun between the wire and the counterpoise and
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> I realize I need a countepoise or two. I haven't determined a
length
> for those yet.
>
> 72 de Scott/n7net/qrp
>
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

6718. TA33 driven element for a vertical?

Yahoo group: ham-antennas (2008)
Date: 2008-11-11 15:20:59 UTC
From: Alan Cowan WA5ZKO
Topic: 6718 Message: 6718

Hi

I have dismantled a slightly damaged TA33 3 element beam and moved it to a new home location where it may be difficult to put up a beam.

I was 'considering' using one side of the driven element as a vertical by dismantling and feeding one leg of against a ground radial setup.

Does anyone know if this has been tried and if so, how successful was the attempt?

Alan
WA5ZKO

6719. Re: TA33 driven element for a vertical?

Yahoo group: ham-antennas (2008)
Date: 2008-11-11 15:39:26 UTC
From: Scott Laughlin
Topic: 6718 Message: 6719

Alan,

You might find what you need under phasing.

72 de Scott/n7net/qrp

--- In ham-antennas@yahoogroups.com, "Alan Cowan WA5ZKO"
<alanbcowan@...> wrote:
>
> Hi
>
> I have dismantled a slightly damaged TA33 3 element beam and moved it
> to a new home location where it may be difficult to put up a beam.
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> I was 'considering' using one side of the driven element as a vertical
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> the attempt?
>
> Alan
> WA5ZKO
>

6720. Re: Dual band dipoles

Yahoo group: ham-antennas (2008)
Date: 2008-11-11 18:14:54 UTC
From: Norm Blitch
Topic: 6714 Message: 6720

Steve,
WOW! That rig is WAY more complex than I envision; I'll just have the two wires, both un-trapped single banders...

I'm hoisting to the top of the chimney chase with a Harken double block rigged with a swivel to an eyebolt... Relating to your "cloud-burner" low-hangs, I was cautioned about the NVIS tendencies of low invert V's; I'm running a 20 meter wire dipole at 12' AGL center, and about 8' AGL at the ends, and getting 5-9's into Michigan, Wisconsin, and Missouri from North Florida. Europe sounds loud, but can't seem to "hear" <g>
Still undecided whether to go with an Alpha-Delta center connector setup, or a 1:1 coax balun homebrew...
73 de Norm KE4GAH/AG

Hi Norm,
I am presently using a Fan Dipole set up with 80/160 on the top, long leg. This is a trap dipole.
The next leg down is 40/75 trapped dipole.
The third leg down is a 60/30 meter dipole.
Everything is really happy, including the 75/80 band where there are two distinct dips each at just over 100KHz wide, one on the CW end, and the other on the phone end. 160 meters is 60 KHz wide, and that would be normal for the trapped length. 40 meters is 250 KHz wide and 30 meters is full band. All of this is with an SWR at minimum of less than 1.3:1 and at 3:1 when at the extremes. The center of the antenna is mounted at 40 feet, and the ends are at 20 feet up for the top leg, and at 10 feet for the bottom leg. On the 160/80/60/40 meter bands it is a cloud burner, but works really well for local nets. 30 meters starts to work like you would hope.
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When building it, I put a pulley on the top of the poles so I could raise and lower the antenna to tune it. I first set up the 160/80 meter legs for the very bottom of the bands. Then I dis-connected those legs and hung the 75/40 meter legs and tuned them for the lower end. I then re-connected the 160/80 legs, and found the antenna moved up just slightly. I left those right where they were and hung the 60/30 legs. I just cut to formula for the bottom of the bands, and they work just fine.
You may or may not have more interaction but I was very pleased as to how simple it came out being.
My overall lengths were 160' for the 160/80 meter bands and shorter for the other bands. Oh, and as a bonus, I also have 17, 15, 24 and 28.5 MHz bands, though the SWR is higher there, being near 2:1, but still useful.

I am feeding mine with 75 feet of LMR-400, with a homemade center insulator, no balun.
Steve/WM5Z

6721. Re: TA33 driven element for a vertical?

Yahoo group: ham-antennas (2008)
Date: 2008-11-11 18:33:45 UTC
From: Alan Cowan WA5ZKO
Topic: 6718 Message: 6721

Thanks Scott....I will take a look....didn't want to spend any money
when I could use something laying around and get on the 10-20 bands...
Alan

--- In ham-antennas@yahoogroups.com, "Scott Laughlin" <n7net@...> wrote:
>
> Alan,
>
> You might find what you need under phasing.
>
> 72 de Scott/n7net/qrp
>
> --- In ham-antennas@yahoogroups.com, "Alan Cowan WA5ZKO"
> <alanbcowan@> wrote:
> >
> > Hi
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> > I have dismantled a slightly damaged TA33 3 element beam and moved it
> > to a new home location where it may be difficult to put up a beam.
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> > I was 'considering' using one side of the driven element as a vertical
> > by dismantling and feeding one leg of against a ground radial setup.
> >
> > Does anyone know if this has been tried and if so, how successful was
> > the attempt?
> >
> > Alan
> > WA5ZKO
> >
>

6722. Re: [ham-antennas] Re: TA33 driven element for a vertical?

Yahoo group: ham-antennas (2008)
Date: 2008-11-11 18:36:24 UTC
From: Chris
Topic: 6718 Message: 6722

I would ask why you aren't just using it as a rotatable dipole? It should work well just by itself as such.

For field day I used a Cushcraft that is essentially just that, it's the same driven element they use for one of their beams, just sold as a dipole. Worked very well on a simple 20' mast tucked under the wheel of a van.

On Tue, Nov 11, 2008 at 1:33 PM, Alan Cowan WA5ZKO <alanbcowan@...> wrote:
> Thanks Scott....I will take a look....didn't want to spend any money
> when I could use something laying around and get on the 10-20 bands...
> Alan
>
> --- In ham-antennas@yahoogroups.com, "Scott Laughlin" <n7net@...> wrote:
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>> Alan,
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>> You might find what you need under phasing.
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>> --- In ham-antennas@yahoogroups.com, "Alan Cowan WA5ZKO"
>> <alanbcowan@> wrote:
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>> > to a new home location where it may be difficult to put up a beam.

6723. Re: [ham-antennas] Re: TA33 driven element for a vertical?

Yahoo group: ham-antennas (2008)
Date: 2008-11-11 18:53:48 UTC
From: scott laughlin
Topic: 6718 Message: 6723

Alan,

Many years ago I read about a fellow on the East Coast who had setup similar to what you may be trying to do. He had two verticals that were on a turn table and phased so that the front one acted as a director. It looked out over the water and he simply turned it toward whomever he wanted to talk to.

You mentioned that a beam would be difficult. I used to chat in CW with a fellow in Long Beach, California. He lived in a neighborhood where antennas were forbidden. However, the spar of a sailboat was horse of a different color. That was a sign of progress.

As odd as it seems, his ham shack was in the boat and the antenna was a vertical taped to the spar. The last time we chatted the antenna police hadn't found that one yet.

72 de Scott/n7net/qrp
FISTS 8879
SKCC 1964
CTC 1.945
Wireless Pioneers 5706-TA
FPQRP 2446

--- On Tue, 11/11/08, Alan Cowan WA5ZKO <alanbcowan@...> wrote:

From: Alan Cowan WA5ZKO <alanbcowan@...>
Subject: [ham-antennas] Re: TA33 driven element for a vertical?
To: ham-antennas@yahoogroups.com
Date: Tuesday, November 11, 2008, 12:33 PM

Thanks Scott....I will take a look....didn' t want to spend any money
when I could use something laying around and get on the 10-20 bands...
Alan

--- In ham-antennas@ yahoogroups. com, "Scott Laughlin" <n7net@...> wrote:
>
> Alan,
>
> You might find what you need under phasing.
>
> 72 de Scott/n7net/ qrp
>
> --- In ham-antennas@ yahoogroups. com, "Alan Cowan WA5ZKO"
> <alanbcowan@ > wrote:
> >
> > Hi
> >
> > I have dismantled a slightly damaged TA33 3 element beam and moved it
> > to a new home location where it may be difficult to put up a beam.

> >
> > I was 'considering' using one side of the driven element as a vertical
> > by dismantling and feeding one leg of against a ground radial setup.
> >
> > Does anyone know if this has been tried and if so, how successful was
> > the attempt?
> >
> > Alan
> > WA5ZKO
> >
>

[Non-text portions of this message have been removed]

6724. RE: [ham-antennas] Re: TA33 driven element for a vertical?

Yahoo group: ham-antennas (2008)
Date: 2008-11-11 20:30:54 UTC
From: Kirk Morrison
Topic: 6718 Message: 6724

Some verticals are built around beam driven elements so it should be do-able

Kirk
KA4PXK

"He who has honor need not fear death."

Eva Marie LeGrand Morrison KI4VFZ 5/24/1958-6/26/2008

My beloved wife, and my best friend, I miss you

To: ham-antennas@yahoogroups.com
From: alanbcowan@...
Date: Tue, 11 Nov 2008 18:33:45 +0000
Subject: [ham-antennas] Re: TA33 driven element for a vertical?

Thanks Scott....I will take a look....didn't want to spend any money

when I could use something laying around and get on the 10-20 bands...

Alan

--- In ham-antennas@yahoogroups.com, "Scott Laughlin" <n7net@...> wrote:

>

> Alan,

>

> You might find what you need under phasing.

>

> 72 de Scott/n7net/qrp

>

> --- In ham-antennas@yahoogroups.com, "Alan Cowan WA5ZKO"

> <alanbcowan@> wrote:

> >

> > Hi

> >

> > I have dismantled a slightly damaged TA33 3 element beam and moved it

> > to a new home location where it may be difficult to put up a beam.

> >

> > I was 'considering' using one side of the driven element as a vertical

> > by dismantling and feeding one leg of against a ground radial setup.

> >

> > Does anyone know if this has been tried and if so, how successful was

> > the attempt?

> >

> > Alan

> > WA5ZKO

> >

>

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http://clk.atdmt.com/MRT/go/119463819/direct/01/

[Non-text portions of this message have been removed]

6725. AW: [ham-antennas] Re: TA33 driven element for a vertical?

Yahoo group: ham-antennas (2008)
Date: 2008-11-11 22:02:00 UTC
From: Siegfried Jackstien
Topic: 6718 Message: 6725

dear alan
it should work and you can ad 12 and 17 as quarterwaves made from wire
and holded from the vertical
http://www.hamuniverse.com/kl7jr4btv1217mod.html
make the vertical wire a bit longer and cut for best swr
good luck and best 73´s de dg9bfc
sigi
-----Ursprüngliche Nachricht-----
Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]Im
Auftrag von Kirk Morrison
Gesendet: Dienstag, 11. November 2008 20:31
An: ham-antennas@yahoogroups.com
Betreff: RE: [ham-antennas] Re: TA33 driven element for a vertical?

Some verticals are built around beam driven elements so it should be
do-able

Kirk
KA4PXK

"He who has honor need not fear death."

Eva Marie LeGrand Morrison KI4VFZ 5/24/1958-6/26/2008

My beloved wife, and my best friend, I miss you

To: ham-antennas@yahoogroups.com
From: alanbcowan@...
Date: Tue, 11 Nov 2008 18:33:45 +0000
Subject: [ham-antennas] Re: TA33 driven element for a vertical?

Thanks Scott....I will take a look....didn't want to spend any money

when I could use something laying around and get on the 10-20 bands...

Alan

--- In ham-antennas@yahoogroups.com, "Scott Laughlin" <n7net@...> wrote:

>

> Alan,

>

> You might find what you need under phasing.

>

> 72 de Scott/n7net/qrp

>

> --- In ham-antennas@yahoogroups.com, "Alan Cowan WA5ZKO"

> <alanbcowan@> wrote:

> >

> > Hi

> >

> > I have dismantled a slightly damaged TA33 3 element beam and moved it

> > to a new home location where it may be difficult to put up a beam.

> >

> > I was 'considering' using one side of the driven element as a vertical

> > by dismantling and feeding one leg of against a ground radial setup.

> >

> > Does anyone know if this has been tried and if so, how successful was

> > the attempt?

> >

> > Alan

> > WA5ZKO

> >

>

_____
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of your life
http://clk.atdmt.com/MRT/go/119463819/direct/01/

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

6726. Re:TA33 driven element for a vertical?

Yahoo group: ham-antennas (2008)
Date: 2008-11-11 21:19:18 UTC
From: Bill Hummer N9VR
Topic: 6718 Message: 6726

"I was 'considering' using one side of the driven element as a vertical
by dismantling and feeding one leg of against a ground radial setup."

Alan:

Why not use both sides and elevate the antenna so a ground radial
setup is not needed. I have done this a few times with very good results.
I used a sidearm off the tower to mount it off the ground a few feet, but you
could use anything from a pole to a tree. This would eliminate the need and
hastle for placing a ground radial system around the vertical. The tuning
of the driven element changes slightly when vertical, but works very well.

Bill
N9VR

[Non-text portions of this message have been removed]

6727. Re: Dual band dipoles

Yahoo group: ham-antennas (2008)
Date: 2008-11-11 22:02:20 UTC
From: David Harvey
Topic: 6714 Message: 6727

Hi Steve/WM5Z.

Your 6-band, 3 trap dipole antenna farm sounds brilliant.

Any chance of a look at the traps you built, and what their resonance points were? A photograph of them would be fantastic too, if it's not too much trouble.

Thanks, es 73
de vk2dmh, David.

6728. New file uploaded to ham-antennas

Yahoo group: ham-antennas (2008)
Date: 2008-11-11 22:35:43 UTC
From: ham-antennas@yahoogroups.com
Topic: 389 Message: 6728

```
Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the ham-antennas
group.

File : /USMC_Field_Antenna_Handbook.pdf
Uploaded by : pd1rh <pd1rh@...>
Description : Nice military field antenna handbook

You can access this file at the URL:
http://groups.yahoo.com/group/ham-antennas/files/USMC_Field_Antenna_Handbook.pdf

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/members/web/index.htmlfiles

Regards,

pd1rh <pd1rh@...>
```

6729. Re: [ham-antennas] Re: Dual band dipoles

Yahoo group: ham-antennas (2008)
Date: 2008-11-12 01:07:33 UTC
From: Steve/WM5Z
Topic: 6714 Message: 6729

Hi Norm, it's me again.

My point was that as complex as my antenna is, something as simple as yours should work for you as well. Hardest part is the center insulator decision. <grin>

Steve/WM5Z

Norm Blitch wrote:
> Steve,
> WOW! That rig is WAY more complex than I envision; I'll just have
> the two wires, both un-trapped single banders...
>
> I'm hoisting to the top of the chimney chase with a Harken double
> block rigged with a swivel to an eyebolt... Relating to your
> "cloud-burner" low-hangs, I was cautioned about the NVIS tendencies
> of low invert V's; I'm running a 20 meter wire dipole at 12' AGL
> center, and about 8' AGL at the ends, and getting 5-9's into
> Michigan, Wisconsin, and Missouri from North Florida. Europe sounds
> loud, but can't seem to "hear" <g>
> Still undecided whether to go with an Alpha-Delta center connector
> setup, or a 1:1 coax balun homebrew...
> 73 de Norm KE4GAH/AG
> ---
> Hi Norm,
> I am presently using a Fan Dipole set up with 80/160 on the top, long
> leg. This is a trap dipole.
> The next leg down is 40/75 trapped dipole.
> The third leg down is a 60/30 meter dipole.
> Everything is really happy, including the 75/80 band where there are two
> distinct dips each at just over 100KHz wide, one on the CW end, and the
> other on the phone end. 160 meters is 60 KHz wide, and that would be
> normal for the trapped length. 40 meters is 250 KHz wide and 30 meters
> is full band. All of this is with an SWR at minimum of less than 1.3:1
> and at 3:1 when at the extremes. The center of the antenna is mounted at
> 40 feet, and the ends are at 20 feet up for the top leg, and at 10 feet
> for the bottom leg. On the 160/80/60/40 meter bands it is a cloud
> burner, but works really well for local nets. 30 meters starts to work
> like you would hope.
> If I had the ability, I would love to put up a 66 foot tall vertical for
> working DX. As it is, I know it isn't the best for DX, but I still make
> some contacts.
> When building it, I put a pulley on the top of the poles so I could
> raise and lower the antenna to tune it. I first set up the 160/80 meter
> legs for the very bottom of the bands. Then I dis-connected those legs
> and hung the 75/40 meter legs and tuned them for the lower end. I then

> re-connected the 160/80 legs, and found the antenna moved up just
> slightly. I left those right where they were and hung the 60/30 legs. I
> just cut to formula for the bottom of the bands, and they work just fine.
> You may or may not have more interaction but I was very pleased as to
> how simple it came out being.
> My overall lengths were 160' for the 160/80 meter bands and shorter for
> the other bands. Oh, and as a bonus, I also have 17, 15, 24 and 28.5 MHz
> bands, though the SWR is higher there, being near 2:1, but still useful.
> I am feeding mine with 75 feet of LMR-400, with a homemade center
> insulator, no balun.
> Steve/WM5Z
>
>
> ---
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 1446
members (as of 9/26/08, and attachments are NOT permitted.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
>
>

6731. Re: TA33 driven element for a vertical?

Yahoo group: ham-antennas (2008)
Date: 2008-11-12 06:40:39 UTC
From: Bryan
Topic: 6718 Message: 6731

Alan Cowan WA5ZKO queried:
>
> Hi
>
> I have dismantled a slightly damaged TA33 3 element beam and moved it
> to a new home location where it may be difficult to put up a beam.
>
> I was 'considering' using one side of the driven element as a vertical
> by dismantling and feeding one leg of against a ground radial setup.
>
> Does anyone know if this has been tried and if so, how successful was
> the attempt?
>
> Alan
> WA5ZKO

Been there, done that w/ a Hy-Gain 203BA driven element. It worked
FB. I tried putting the other half up lambda/4 away from the first and
feeding +/- 90° from the first (cardioid pattern). Didn't work so well
but that was a long time ago, when my mistakes were more frequent.

73,
Bryan

6732. G5IJ antenna project.....

Yahoo group: ham-antennas (2008)
Date: 2008-11-12 11:16:54 UTC
From: Chris Moore
Topic: 6732 Message: 6732

Just thought I would share this with some of you who have not come across it. I Have one of these top antennas. I use it for portable NVIS work. I get 5/9+ all over the UK top to bottom. They are fairly easy to build but you have to wind it correct or you will find it wont tune up. It works on 80m to 10m and you can then roll it up throw it in a bag to store. I am using BT twin core phone wire thats the old stuff they used to string up in the streets pole to pole. The club is using 300 ohm ribbon feeder and some have used speaker / bell wire but I dont think they perform as good. Here is a link for those who wish to have a play.
http://www.gairney.plus.com/Radio/G5IJ_aerial.htm
There are plenty of links on the net. Have a play guys and let me know what ya think..... Its the T 200 toroid which takes some finding but you can buy off the net for about £6. Trust me its worth it. My mate has one set up in a small garden and it twists all over the place and works fine....

6733. Re: TA33 driven element for a vertical?

Yahoo group: ham-antennas (2008)
Date: 2008-11-12 15:22:31 UTC
From: Alan Cowan WA5ZKO
Topic: 6718 Message: 6733

Bryan et al,
Thanks to all of you for the inputs and website info! Good feedback and information.

I may not have pointed out in my first post of the lack of room and no tower capabilities at my new place. I was looking for a 'quick fix' to get on the bands. I'm also looking at wire dipoles, but this seemed like an 'easy fix' for now.

The use of beam driven elements turned 90 deg makes sense if you can't go horizontal!

One more question to the group.

Once the element is mounted vertically, how many ground radials would be required? I've seen numbers in various sites ranging from 3 to more than 60 wires being radially laid out around the vertical.

Why the large range of radials needed?

thanks again!
Alan
WA5ZKO

>
> Been there, done that w/ a Hy-Gain 203BA driven element. It worked
> FB. I tried putting the other half up lambda/4 away from the first and
> feeding +/- 90° from the first (cardioid pattern). Didn't work so well
> but that was a long time ago, when my mistakes were more frequent.
>
> 73,
> Bryan
>

6734. Re: TA33 driven element for a vertical?

Yahoo group: ham-antennas (2008)
Date: 2008-11-12 16:02:06 UTC
From: Scott Laughlin
Topic: 6718 Message: 6734

Alan,

I wonder if you've considered an Isotron antenna? I've seen them in the HRO catalogs and often wondered if they really work or if they resonated all the house wiring. Until last week I'd not found any published literature other than that which is in the catalogs.

L.B. Cebik (sk) was evidently an authority on antennas and transmission lines and he publshed a number of books on these subjects. Included is a 470 page book on compact antennas, including the Isotron which you'll find at the website address I've included below.

http://www.antennex.com/Sshack/eval/eval.htm

72 de Scott/n7net/qrp

--- In ham-antennas@yahoogroups.com, "Alan Cowan WA5ZKO" <alanbcowan@...> wrote:
>
> Bryan et al,
> Thanks to all of you for the inputs and website info! Good feedback
> and information.
>
> I may not have pointed out in my first post of the lack of room and no
> tower capabilities at my new place. I was looking for a 'quick fix' to
> get on the bands. I'm also looking at wire dipoles, but this seemed
> like an 'easy fix' for now.
>
> The use of beam driven elements turned 90 deg makes sense if you can't
> go horizontal!
>
> One more question to the group.
>
> Once the element is mounted vertically, how many ground radials would
> be required? I've seen numbers in various sites ranging from 3 to more
> than 60 wires being radially laid out around the vertical.
>
> Why the large range of radials needed?
>
> thanks again!

> Alan
> WA5ZKO
>
> >
> > Been there, done that w/ a Hy-Gain 203BA driven element. It
worked
> > FB. I tried putting the other half up lambda/4 away from the
first and
> > feeding +/- 90° from the first (cardioid pattern). Didn't work
so well
> > but that was a long time ago, when my mistakes were more frequent.
> >
> > 73,
> > Bryan
> >
>

6735. RE: [ham-antennas] Re: TA33 driven element for a vertical?

Yahoo group: ham-antennas (2008)
Date: 2008-11-12 17:08:39 UTC
From: Kirk Morrison
Topic: 6718 Message: 6735

Large range of radials is for efficiency less than 12 radials is very inefficient for ground mount at a few feet 3 or 4 in the air equal about 24 on the ground. I would use between 16 and 32 radials and make them at least 4 quarter waves and the rest at least 1/8 wave I have gotten decent results from antennas done that way.

Kirk
KA4PXK

"He who has honor need not fear death."

Eva Marie LeGrand Morrison KI4VFZ 5/24/1958-6/26/2008

My beloved wife, and my best friend, I miss you

To: ham-antennas@yahoogroups.com
From: n7net@...
Date: Wed, 12 Nov 2008 16:02:06 +0000
Subject: [ham-antennas] Re: TA33 driven element for a vertical?

Alan,

I wonder if you've considered an Isotron antenna? I've seen them in

the HRO catalogs and often wondered if they really work or if they

resonated all the house wiring. Until last week I'd not found any

published literature other than that which is in the catalogs.

L.B. Cebik (sk) was evidently an authority on antennas and

transmission lines and he publshed a number of books on these

subjects. Included is a 470 page book on compact antennas, including

the Isotron which you'll find at the website address I've included

below.

http://www.antennex.com/Sshack/eval/eval.htm

72 de Scott/n7net/qrp

--- In ham-antennas@yahoogroups.com, "Alan Cowan WA5ZKO"

<alanbcowan@...> wrote:

>

> Bryan et al,

> Thanks to all of you for the inputs and website info! Good feedback
> and information.
>
> I may not have pointed out in my first post of the lack of room and
no
> tower capabilities at my new place. I was looking for a 'quick fix'
to
> get on the bands. I'm also looking at wire dipoles, but this seemed
> like an 'easy fix' for now.
>
> The use of beam driven elements turned 90 deg makes sense if you
can't
> go horizontal!
>
> One more question to the group.
>
> Once the element is mounted vertically, how many ground radials
would
> be required? I've seen numbers in various sites ranging from 3 to
more
> than 60 wires being radially laid out around the vertical.
>
> Why the large range of radials needed?
>
> thanks again!
> Alan
> WA5ZKO
>
> >

> > Been there, done that w/ a Hy-Gain 203BA driven element. It

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> > FB. I tried putting the other half up lambda/4 away from the

first and

> > feeding +/- 90° from the first (cardioid pattern). Didn't work

so well

> > but that was a long time ago, when my mistakes were more frequent.

> >

> > 73,

> > Bryan

> >

>

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http://clk.atdmt.com/MRT/go/119463819/direct/01/

[Non-text portions of this message have been removed]

6736. Re:AW: [ham-antennas] Re: TA33 driven element for a vertical?

Yahoo group: ham-antennas (2008)
Date: 2008-11-12 21:13:40 UTC
From: catboat15@aol.com
Topic: 6718 Message: 6736

I have heard of using a flag pole for a vertical antenna on several sites.
Even the "site police" should not object to "supporting our troops"
**********Get movies delivered to your mailbox. One month free from blockbuster.com (http://pr.atwola.com/promoclk/100000075x1212639737x1200784900/aol?redir=https://www.blockbuster.com/signup/y/reg/p.26978/r.email_footer)

[Non-text portions of this message have been removed]

6737. Re: TA33 driven element for a vertical?

Yahoo group: ham-antennas (2008)
Date: 2008-11-13 14:49:35 UTC
From: Alan Cowan WA5ZKO
Topic: 6718 Message: 6737

Kirk et al,

Thanks for the memory jog. I went on line and looked around the google search engine. Lot's of good info reports on radials, how many needed, why needed, etc.

There does seem to be a few reports that don't seem to think you need that many radials, but the vast majority of the other reports show nice charts/graphs on why you do need quite a few.

So, the plan is to take a look at mounting the TA33 driven element 10-20m with lot's of radials and then expand to 12/17m with the nifty info Sigi sent out.

Thanks again all
Alan
WA5ZKO

--- In ham-antennas@yahoogroups.com, Kirk Morrison <ka4pxk@...> wrote:
>
>
> Large range of radials is for efficiency less than 12 radials is very inefficient for ground mount at a few feet 3 or 4 in the air equal about 24 on the ground. I would use between 16 and 32 radials and make them at least 4 quarter waves and the rest at least 1/8 wave I have gotten decent results from antennas done that way.
>
>
>
>
>
> Kirk
> KA4PXK
>
>
>
>

6738. [Fwd: [TenMeters] NEWS RELEASE-CQ Acquires World Radio]

Yahoo group: ham-antennas (2008)
Date: 2008-11-13 14:59:50 UTC
From: Steve/WM5Z
Topic: 6738 Message: 6738

-------- Original Message --------
Subject: [TenMeters] NEWS RELEASE-CQ Acquires World Radio
Date: Wed, 12 Nov 2008 18:36:58 -0800 (PST)
From: Jerry <n9avy@...>
Reply-To: n9avy@...
To: K9RN@yahoogroups.com, tenmeters@yahoogroups.com, 10-10 List
<tentenlist@...>

I'M SURE THE FOLLOWING NEWS RELEASE, THIS AFTERNOON, WILL BE OF
INTEREST TO MANY OF YOU....
********** ********* ********* ********* ********* ********* ********* ***
CQ COMMUNICATIONS ACQUIRES WORLDRADIO MAGAZINE

(Hicksville, NY and Sacramento, CA, November 12, 2008)
-- CQ Communications, Inc. has acquired WorldRadio magazine, CQ
Publisher Dick Ross, K2MGA and WorldRadio Publisher Armond Noble,
N6WR, announced jointly today. CQ, based in Hicksville, New York,
currently publishes CQ Amateur Radio, CQ VHF and Popular
Communications magazines.
WorldRadio, based in Sacramento, California, has been
published monthly since July, 1971, with a primary focus on the
human side of ham radio. CQ, a general-interest ham radio magazine
best known for its support of DXing and contesting, has been in
print since January, 1945.
Armond Noble, N6WR, Publisher of WorldRadio, said that
at the age of 74 the time had come for him to retire. "I wanted to
be sure that WorldRadio found a good home, and that our readers
would continue to be served by an independent voice in amateur
radio," Noble said.
CQ Publisher Dick Ross, K2MGA, said, "WorldRadio has
filled an important niche in our hobby for nearly four decades. We
welcome WorldRadio's readers to the CQ family, and we look forward
to meeting their needs for many years to come."
Current plans call for WorldRadio to continue to be
published online as part of the CQ family of magazines, with Editor
Nancy Kott, WZ8C, continuing in that position. WorldRadio
subscribers will also have their subscriptions transferred to CQ
magazine. Readers will be notified of details as plans are finalized.
********** ********* ********* ********* ********* ********* ********* ***
>>73,
>Carl, N4AA

---

home page www.groups.yahoo.com/group/TenMetersYahoo! Groups Links

6739. Experimenting and finding fact

Yahoo group: ham-antennas (2008)
Date: 2008-11-13 16:37:34 UTC
From: Dennis G. Peterson
Topic: 6739 Message: 6739

Hello, I am experimenting with an antenna that so far is simply phenominal. I am hearing every DX station posted on various DX clusters.

Now, they say; that "IF YOU CAN HEAR THEM---YOU CAN WORK THEM"
Almost true except for the fact that ONE must first have competitive power available. RIGHT?

My 100 watts surely isn't going to crack a pileup or topple KW stations.

Here is my scenario:

I have an inverted-L that slopes towards aPine Tree with a 12 degree slope. It goes up the tree until it reaches the top where it is 90 feet in the air and then goes horizontal for the remaining portion of the L. The total length of the wire is 138' 6" with the 38'6" portion horizontal. That yields a 90 foot vertical with a 48'6" horizontal portion.

This antenna's horizontal portion is oriented from EAST to WEST if that makes a difference. It is fed against a very modest radial field/counterpoise system. It is also fed with RG8x coax at the feed point.

The radial field consists of 5 or 6 electric fence wire pieces about 25 or 30 feet long. Held in place with metal lawn spikes that are 8-10" in length. There is a single counterpoise radial that lies on the ground somewhat underneath the top of the L. There is a second counterpoise that is only 105' in length and is doubled back with a 3' spacing of the wire.

I also tied ONE SIDE of the single story dwellings gutters and downspouts in to the radial field. THYE ONLY THING CONNECTED IN THIS RADIAL FIELD ARE THE RADIALS AND COUNTERPOISE WIRES TO WHICH THE COUNTER POISE WIRES ARE INSULATED AND THE OTHER RADIAL FIELD WIRES ARE BARE. THEY ARE CONNECTED TO THE SHIELD BRAID OF THE RG8X COAX.

The resonance regions of the antenna with respect to swr are as follows:
2.5:1----------1800
1.5:1----------1805 to 1820

2:1 SWR points are from 1850 to 1855
2.3:1----------1860 to 1865
2.5:1----------1870 to 1880
2.7:1----------1885 to 1895
2.8:1----------1900 to 1915

```
5:1----------------------1920 to 1930
6:1----------------------1935 to 1970
6.2:1--------------------1975 to 1990
6.3:1--------------------1995 to 1999
```

6740. Re: [ham-antennas] Experimenting and finding fact

Yahoo group: ham-antennas (2008)
Date: 2008-11-13 17:02:39 UTC
From: KE7JSL@tmo.blackberry.net
Topic: 6739 Message: 6740

>> Almost true except for the fact that ONE must first have competitive power available. RIGHT?

No. That is incorrect. Depending on many conditions (sunspots, weather storms, operating mode, etc) 5 watts or even less will work just fine. The key is use what is required to get the job done. Sometimes thats 1/2 a watt sometimes thats 1500 watts.

John
KE7JSL
Sent via BlackBerry from T-Mobile

6741. RE: [ham-antennas] Experimenting and finding fact

Yahoo group: ham-antennas (2008)
Date: 2008-11-13 17:05:12 UTC
From: Joe Ivey
Topic: 6739 Message: 6741

Dennis,

I assume that you are referring to 160 meters on the DX stations that you hear.

160 is a hard band to work DX on. Also the band width is very narrow as you can tell

By you SWR readings. As far as 100 watts breaking a pile up you may be surprised.

I have been a ham for almost 30 years and have worked the world on 40 meters with a

Butternut HF-6Vand 2V and have never run over 100 watts. If you have an antenna

tuner, then your antenna could be use on the other bands as well.

Just my 2 cents worth.

Joe, W4JSI

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Dennis G. Peterson
Sent: Thursday, November 13, 2008 10:38 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Experimenting and finding fact

Hello, I am experimenting with an antenna that so far is simply phenominal. I am hearing every DX station posted on various DX clusters.

Now, they say; that "IF YOU CAN HEAR THEM---YOU CAN WORK THEM"
Almost true except for the fact that ONE must first have competitive power available. RIGHT?

My 100 watts surely isn't going to crack a pileup or topple KW stations.

Here is my scenario:

I have an inverted-L that slopes towards aPine Tree with a 12 degree slope. It goes up the tree until it reaches the top where it is 90 feet in the air and then goes horizontal for the remaining portion of the L. The total length of the wire is 138' 6" with the 38'6" portion horizontal. That yields a 90 foot vertical with a 48'6" horizontal portion.

This antenna's horizontal portion is oriented from EAST to WEST if that makes a difference. It is fed against a very modest radial field/counterpoise system. It is also fed with RG8x coax at the feed point.

The radial field consists of 5 or 6 electric fence wire pieces about 25 or 30 feet long. Held in place with metal lawn spikes that are 8-10" in length. There is a single counterpoise radial that lies on the ground somewhat underneath the top of the L. There is a second counterpoise that is only 105' in length and is doubled back with a 3' spacing of the wire.

I also tied ONE SIDE of the single story dwellings gutters and downspouts in to the radial field. THYE ONLY THING CONNECTED IN THIS RADIAL FIELD ARE THE RADIALS AND COUNTERPOISE WIRES TO WHICH THE COUNTER POISE WIRES ARE INSULATED AND THE OTHER RADIAL FIELD WIRES ARE BARE. THEY ARE CONNECTED TO THE SHIELD BRAID OF THE RG8X COAX.

The resonance regions of the antenna with respect to swr are as follows:
2.5:1----------1800
1.5:1----------1805 to 1820

2:1 SWR points are from 1850 to 1855
2.3:1----------1860 to 1865
2.5:1----------1870 to 1880
2.7:1----------1885 to 1895
2.8:1----------1900 to 1915
5:1----------1920 to 1930
6:1----------1935 to 1970
6.2:1----------1975 to 1990
6.3:1----------1995 to 1999

[Non-text portions of this message have been removed]

6742. ooopppssss I hit ssend to early---here it is again with the missing info

Yahoo group: ham-antennas (2008)
Date: 2008-11-13 17:15:45 UTC
From: dennisissure
Topic: 6742 Message: 6742

From: "Dennis G. Peterson" <dennisissure@...>
To: <ham-antennas@yahoogroups.com>
Subject: [ham-antennas] Experimenting and finding fact
Date: Thursday, November 13, 2008 11:38 AM

Hello, I am experimenting with an antenna that so far is simply phenominal. I am hearing every DX station posted on various DX clusters.

Now, they say; that "IF YOU CAN HEAR THEM---YOU CAN WORK THEM" Almost true except for the fact that ONE must first have competitive power available. RIGHT?

My 100 watts surely isn't going to crack a pileup or topple KW stations.

Here is my scenario:

I have an inverted-L that slopes towards aPine Tree with a 12 degree slope. It goes up the tree until it reaches the top where it is 90 feet in the air and then goes horizontal for the remaining portion of the L. The total length of the wire is 138' 6" with the 38'6" portion horizontal. That yields a 90 foot vertical with a 48'6" horizontal portion.

This antenna's horizontal portion is oriented from EAST to WEST if that makes a difference. It is fed against a very modest radial field/counterpoise system. It is also fed with RG8x coax at the feed point.

The radial field consists of 5 or 6 electric fence wire pieces about 25 or 30 feet long. Held in place with metal lawn spikes that are 8-10" in length. There is a single counterpoise radial that lies on the ground somewhat underneath the top of the L. There is a second counterpoise that is only 105' in length and is doubled back with a 3' spacing of the wire.

I also tied ONE SIDE of the single story dwellings gutters and downspouts in to the radial field. THYE ONLY THING CONNECTED IN THIS RADIAL FIELD ARE THE RADIALS AND COUNTERPOISE WIRES TO WHICH THE COUNTER POISE WIRES ARE INSULATED AND THE OTHER RADIAL FIELD WIRES ARE BARE. THEY ARE CONNECTED TO THE SHIELD BRAID OF THE RG8X COAX.

The resonance regions of the antenna with respect to swr are as follows:
2.5:1----------1800

1.5:1----------1805 to 1820 15 Khz bandwidth

1.4:1--------------------1825 to 1855 Resonant point of antenna 30 Khz Bandwidth

1.5:1--------------------1860 to 1870 10 Khz bandwidth ********NOTE 1.5:1 swr from 1805 to 1870 = 65 Khz BANDWIDTH

1.6:1---------------------1875

1.7:1--------------------1880 to 1895 20 Khz bandwidth

2:1----------------------1900 to 1925 25 Khz bandwidth

2.4:1---------------------1930 to 1950 20 Khz bandwidth

2.5:1---------------------1955

2.6:1---------------------1960 to 1970 10 Khz bandwidth

5:1-----------------------1975 to1999 24.9 Khz bandwidth

A ONE CHANGE that was made prior to the documentation above was that I checked the SWR at 1828.0 in the bypass mode of the tuner and it measured 1.6:1
B I added the North side of the dwellings gutters and downspouts to the system, re-chkd SWR at 1828.0 in the bypass mode of the tuner and it measured 1.4:1
C It dropped 2 points and I also noticed an increase in Noise level measurement----with 1.6:1 NL was S4 with 1.4 NL was S6

Since I have no modeling software nor do I know how to use it and I haven't been able to find one that is easy to use; I have no idea as to this antennas STATUS

I know it works, and I know is Hears and from what I have been told; for all practical purposes IT SHOULDN"T------------------
All I am trying to do is give myself as efficient of an antenna to work 160 meters and DX and maybe other bands if possible; but my priority is 160......I don't know if there is even a slight chance of improving this antenna thru additional counterpoise wires or not

Is there such a thing with this monster as "a point of diminishing returns?" Should I quit, or is there still room for improvement? I can't compete with a KW, but maybe I can with LOW Power or even QRP>>.

Thanks for listening to my story, And I'm Stickin' to it!

73s de K0CKDennis

Dennis G. Peterson
326 East Jefferson Street
Apt 2
York, SC 29745
803-389-936

Read my story below by clicking the URL:

http://www.yananow.net/Mentors/DennisD.htm

http://www.lawyersandsettlements.com/case/veteran_medical_malpractice.html

----

No virus found in this outgoing message.
Checked by AVG - http://www.avg.com
Version: 8.0.175 / Virus Database: 270.9.2/1785 - Release Date: 11/13/2008 9:12 AM

[Non-text portions of this message have been removed]

6743. Re: [ham-antennas] Experimenting and finding fact

Yahoo group: ham-antennas (2008)
Date: 2008-11-13 18:07:19 UTC
From: Steve/WM5Z
Topic: 6739 Message: 6743

This is where skill comes in. Ask those that run QRP (<5 watts) and make the contacts in huge pileups. Like a good joke, timing is everything.

And yes, I have been known to run 1 watt at times, 25 watts is normal and 1250 watts is my max capability. I tend to use only 5 - 25 watts most of the time. I rarely use the amp outside of our traffic net.

Mode is also important. CW and PKS31 seem to be the best, with several other digital modes also quite usable.

Steve/WM5Z

Dennis G. Peterson wrote:
>
> My 100 watts surely isn't going to crack a pileup or topple KW stations.
>
>
>

6744. RE: beginners Antenna help

Yahoo group: ham-antennas (2008)
Date: 2008-11-13 18:19:51 UTC
From: amschler_clan
Topic: 6744 Message: 6744

Thanks for all the help so far on the 75ohm coax problem! It has worked well with my HT 2 meter and I can boom repeaters like they were next door! SO thanks!

Now for one last Question for awhile....
I saw in a friends magazine or a book don't remember which one it was, but it was a 10meter antenna made of 1/2 or 3/4 inch copper tube laid out in a square being fed more off center than center fed.

Have any of you seen this antenna or type pf 10 meter antenna? Do you know what the OD dimenson's could be?

Paul
ke7wtk

6745. RE: beginners Antenna help

Yahoo group: ham-antennas (2008)
Date: 2008-11-13 18:52:56 UTC
From: amschler_clan
Topic: 6744 Message: 6745

Thanks for all the help so far on the 75ohm coax problem! It has worked well with my HT 2 meter and I can boom repeaters like they were next door! SO thanks!

Now for one last Question for awhile....
I saw in a friends magazine or a book don't remember which one it was, but it was a 10meter antenna made of 1/2 or 3/4 inch copper tube laid out in a square being fed more off center than center fed.

Have any of you seen this antenna or type pf 10 meter antenna? Do you know what the OD dimenson's could be?

Paul
ke7wtk

6746. AW: [ham-antennas] Re: TA33 driven element for a vertical?

Yahoo group: ham-antennas (2008)
Date: 2008-11-13 23:17:05 UTC
From: Siegfried Jackstien
Topic: 6718 Message: 6746

you are welcome
cu on the bands
sigi
-----Ursprüngliche Nachricht-----
Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]Im Auftrag von Alan Cowan WA5ZKO
Gesendet: Donnerstag, 13. November 2008 15:50
An: ham-antennas@yahoogroups.com
Betreff: [ham-antennas] Re: TA33 driven element for a vertical?

Kirk et al,

Thanks for the memory jog. I went on line and looked around the google search engine. Lot's of good info reports on radials, how many needed, why needed, etc.

There does seem to be a few reports that don't seem to think you need that many radials, but the vast majority of the other reports show nice charts/graphs on why you do need quite a few.

So, the plan is to take a look at mounting the TA33 driven element 10-20m with lot's of radials and then expand to 12/17m with the nifty info Sigi sent out.

Thanks again all
Alan
WA5ZKO

--- In ham-antennas@yahoogroups.com, Kirk Morrison <ka4pxk@...> wrote:
>
>
> Large range of radials is for efficiency less than 12 radials is very inefficient for ground mount at a few feet 3 or 4 in the air equal about 24 on the ground. I would use between 16 and 32 radials and make them at least 4 quarter waves and the rest at least 1/8 wave I have gotten decent results from antennas done that way.
>
>
>
>
>
> Kirk
> KA4PXK
>
>
>

>

[Non-text portions of this message have been removed]

6747. Fractal Antennas

Yahoo group: ham-antennas (2008)
Date: 2008-11-13 23:11:53 UTC
From: smar_68
Topic: 6747 Message: 6747

Hi Y'all...is there anyone out there experimenting with fractal antennas? Anyone with a working knowledge of fractal antennas? Supposedly they are smaller yet more efficient than other antennas of similar size....What has been your experience with them?
Steven - VE3ALY

6748. RE: [ham-antennas] RE: beginners Antenna help

Yahoo group: ham-antennas (2008)
Date: 2008-11-13 23:51:04 UTC
From: Richard Schmuke
Topic: 6744 Message: 6748

I have a question on this 10m antenna. What is it mounted on?? There are several that mount a short distance above a metal ground plane. Like to top of a van, metal roof, or metal military vehicle. I believe if you look up DDRR antenna it will put you on the track to what you want.

Rich , KDØZZ

Disclaimer: Any errors in spelling or facts are transmission errors.

Subject: [ham-antennas] RE: beginners Antenna help

Thanks for all the help so far on the 75ohm coax problem! It has worked well with my HT 2 meter and I can boom repeaters like they were next door! SO thanks!

Now for one last Question for awhile....
I saw in a friends magazine or a book don't remember which one it was, but it was a 10meter antenna made of 1/2 or 3/4 inch copper tube laid out in a square being fed more off center than center fed.

Have any of you seen this antenna or type pf 10 meter antenna? Do you know what the OD dimenson's could be?

Paul
ke7wtk

[Non-text portions of this message have been removed]

6749. Special event

Yahoo group: ham-antennas (2008)
Date: 2008-11-14 02:42:19 UTC
From: Israel
Topic: 6749 Message: 6749

Hello to you all
> I would like to make an invitation for a special event that will be
held at
> the Radio Telescope in Arecibo, Puerto Rico commemorating the 45
> years of operations of the biggest radio telescope in the world. We,
the hams,
> who work their will organize with the ham community, and will
> transmit on 20m Hf and digital modes, we will be live on the webcam
http://aocam1. naic.edu
> also. This will take place on November 23, 2008 from 12:00 to
> 20: OO UTC. Hope to here from you on HF 73`s KP4LCL
Please Fwr .....Call sign to be used (KP4AO)

6750. Re: TA33 driven element for a vertical?

Yahoo group: ham-antennas (2008)
Date: 2008-11-14 04:10:12 UTC
From: Bryan
Topic: 6718 Message: 6750

Hi Alan,

You're welcome. I had the base of mine elevated to about 12' above ground. I was lazy in using only 3 radials (sloped) but it still worked ok.

As a sidenote, when I had the quarter wavelength vertical up, I threw a half wavelength vertical together (also 12' above ground and with three radials). When doing an A-B test, most of the time (but not always), the half wavelength vertical noticeably outperformed the quarter wavelength vertical.

73,
Bryan WA7PRC

Alan Cowan WA5ZKO wrote:
>
> Bryan et al,
> Thanks to all of you for the inputs and website info! Good feedback
> and information.
>
> I may not have pointed out in my first post of the lack of room and
no
> tower capabilities at my new place. I was looking for a 'quick fix'
to
> get on the bands. I'm also looking at wire dipoles, but this seemed
> like an 'easy fix' for now.
>
> The use of beam driven elements turned 90 deg makes sense if you
can't
> go horizontal!
>
> One more question to the group.
>
> Once the element is mounted vertically, how many ground radials
would
> be required? I've seen numbers in various sites ranging from 3 to
more
> than 60 wires being radially laid out around the vertical.
>
> Why the large range of radials needed?
>
> thanks again!
> Alan
> WA5ZKO
>

> >
> > Been there, done that w/ a Hy-Gain 203BA driven element. It
worked
> > FB. I tried putting the other half up lambda/4 away from the
first and
> > feeding +/- 90° from the first (cardioid pattern). Didn't work
so well
> > but that was a long time ago, when my mistakes were more frequent.
> >
> > 73,
> > Bryan
> >
>

6751. Re: Special event

Yahoo group: ham-antennas (2008)
Date: 2008-11-14 04:20:49 UTC
From: Scott Laughlin
Topic: 6749 Message: 6751

Israel,

Thanks for the invite. Where you gonna be? I'll be listening.

While I have your attention, what happened to Carlos, KP3S. He was supposed to be conducting a Vet's Day Special Event in Isabela. I was stationed at Ramey AFB and I lived in Isabela for three years. I'd love to have a QSL from him.

72 de Scott/n7net/qrp

--- In ham-antennas@yahoogroups.com, "Israel" <kp4lcl@...> wrote:
>
> Hello to you all
> > I would like to make an invitation for a special event that will be
> held at
> > the Radio Telescope in Arecibo, Puerto Rico commemorating the 45
> > years of operations of the biggest radio telescope in the world. We,
> the hams,
> > who work their will organize with the ham community, and will
> > transmit on 20m Hf and digital modes, we will be live on the webcam
> http://aocam1. naic.edu
> > also. This will take place on November 23, 2008 from 12:00 to
> > 20: OO UTC. Hope to here from you on HF 73`s KP4LCL
> Please Fwr .....Call sign to be used (KP4AO)
>

6752. Re: [ham-antennas] Re: Special event

Yahoo group: ham-antennas (2008)
Date: 2008-11-14 13:52:42 UTC
From: israel cabrera
Topic: 6749 Message: 6752

Hi Scott
I forward the email to carlos .also i for got to mention there will be a special QSL Card
From The Arecibo Observatory i will be one of the control OP under (KP4AO) 73`s? KP4lcl...

--- On Thu, 11/13/08, Scott Laughlin <n7net@...> wrote:
From: Scott Laughlin <n7net@...>
Subject: [ham-antennas] Re: Special event
To: ham-antennas@yahoogroups.com
Date: Thursday, November 13, 2008, 10:20 PM

Israel,

Thanks for the invite. Where you gonna be? I'll be listening.

While I have your attention, what happened to Carlos, KP3S. He was

supposed to be conducting a Vet's Day Special Event in Isabela. I was

stationed at Ramey AFB and I lived in Isabela for three years. I'd

love to have a QSL from him.

72 de Scott/n7net/ qrp

--- In ham-antennas@ yahoogroups. com, "Israel" <kp4lcl@...> wrote:

>

> Hello to you all

> > I would like to make an invitation for a special event that will be

> held at

> > the Radio Telescope in Arecibo, Puerto Rico commemorating the 45

> > years of operations of the biggest radio telescope in the world. We,

> the hams,

> > who work their will organize with the ham community, and will

> > transmit on 20m Hf and digital modes, we will be live on the webcam

> http://aocam1. naic.edu

> > also. This will take place on November 23, 2008 from 12:00 to

> > 20: OO UTC. Hope to here from you on HF ???????73`s KP4LCL

> Please Fwr .....Call sign to be used (KP4AO)

>

[Non-text portions of this message have been removed]

6753. Re: [ham-antennas] Re: Special event

Yahoo group: ham-antennas (2008)
Date: 2008-11-14 15:08:31 UTC
From: scott laughlin
Topic: 6749 Message: 6753

Israel,

Many thanks for getting the message to Carols. We've been trying to make a connection on 14.245, but it wasn't in the cards this morning. When the Maritime Net opens we'll try again on 14.300.

I'll be participating in your special event.

72 de Scott/n7net/qrp
FISTS 8879
SKCC 1964
CTC 1.945
Wireless Pioneers 5706-TA
FPQRP 2446

--- On Fri, 11/14/08, israel cabrera <kp4lcl@...> wrote:

> From: israel cabrera <kp4lcl@...>
> Subject: Re: [ham-antennas] Re: Special event
> To: ham-antennas@yahoogroups.com
> Date: Friday, November 14, 2008, 7:52 AM
> Hi Scott
> I forward the email to carlos .also i for got to mention
> there will be a special QSL Card From The Arecibo
> Observatory i will be one of the control OP under (KP4AO)
> 73`s KP4lcl...
>
>
> --- On Thu, 11/13/08, Scott Laughlin
> <n7net@...> wrote:
> From: Scott Laughlin <n7net@...>
> Subject: [ham-antennas] Re: Special event
> To: ham-antennas@yahoogroups.com
> Date: Thursday, November 13, 2008, 10:20 PM
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> Israel,

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> Thanks for the invite. Where you gonna be? I'll be
> listening.
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>
> While I have your attention, what happened to Carlos, KP3S.
> He was
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> supposed to be conducting a Vet's Day Special Event in
> Isabela. I was
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> stationed at Ramey AFB and I lived in Isabela for three
> years. I'd
>
> love to have a QSL from him.
>
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>
> 72 de Scott/n7net/ qrp
>
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>
> --- In ham-antennas@ yahoogroups. com, "Israel"
> <kp4lcl@...> wrote:
>
> >
>
> > Hello to you all
>
> > > I would like to make an invitation for a special
> event that will be
>
> > held at
>
> > > the Radio Telescope in Arecibo, Puerto Rico
> commemorating the 45
>
> > > years of operations of the biggest radio
> telescope in the world. We,
>
> > the hams,
>
> > > who work their will organize with the ham
> community, and will
>
> > > transmit on 20m Hf and digital modes, we will be
> live on the webcam

>
> > http://aocam1. naic.edu
>
> > > also. This will take place on November 23, 2008
> from 12:00 to
>
> > > 20: OO UTC. Hope to here from you on HF
> ……73`s KP4LCL
>
> > Please Fwr .....Call sign to be used (KP4AO)
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> [Non-text portions of this message have been removed]
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> ----------
>
> HAM ANTENNAS Anything and everything, tell us or ask
> questions. Replies go to ALL 1446 members (as of 9/26/08,
> and attachments are NOT permitted.
> Post message: ham-antennas@yahoogroups.com

> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>

6754. Re: [ham-antennas] Fractal Antennas

Yahoo group: ham-antennas (2008)
Date: 2008-11-14 17:24:41 UTC
From: danny garvin
Topic: 6747 Message: 6754

Hi Steven
  I have just gotten interested in Fractals my self and have been doing a lot of searches on the subject. Most of what I have found pertains to VHF and above one article I read said that not much has been done using them on HF frequencies so that area of experimenting seams to be wide open to play with. I have been thinking about playing with some HF designs but have a lot more reading to do on the subject. Maybe next spring?
Danny
    WB9RIM

From: smar_68 <smar_68@...>
To: ham-antennas@yahoogroups.com
Sent: Thursday, November 13, 2008 5:11:53 PM
Subject: [ham-antennas] Fractal Antennas

Hi Y'all...is there anyone out there experimenting with fractal antennas? Anyone with a working knowledge of fractal antennas? Supposedly they are smaller yet more efficient than other antennas of similar size....What has been your experience with them?
Steven - VE3ALY

[Non-text portions of this message have been removed]

6755. Re: Fractal Antennas

Yahoo group: ham-antennas (2008)
Date: 2008-11-15 01:47:52 UTC
From: k9qb
Topic: 6747 Message: 6755

Long ago I used to enjoy Chip W1YW's comments on another group site...

He's a very interesting chap from all I could gather and he happens to be kind of the daddy of fractal antennas.

His fractal antenna programs generate fractal patterns using inductance and capacitance algorithms to make all the patterns balance as they grow outward.

The antenna designs are basically computer generated.

I know fractal antennas are starting to be used in cell phones, WiFi routers, rfid's and the military has taken a particular interest because the antennas can be concealed easily to keep them from prying eyes...something that was a big deal way back when I was an ET in the navy.

I don't know how practical they are for hf but have seen an example or two for 10 meters.

For the upper end of uhf, I guess they have some advantages and are best rendered, for amateur use anyway, on printed circuit board material.

Mike, WA5PSE

--- In ham-antennas@yahoogroups.com, "smar_68" <smar_68@...> wrote:
>
> Hi Y'all...is there anyone out there experimenting with fractal
> antennas? Anyone with a working knowledge of fractal antennas?
> Supposedly they are smaller yet more efficient than other antennas
of
> similar size....What has been your experience with them?
> Steven - VE3ALY
>

6756. can't tune

Yahoo group: ham-antennas (2008)
Date: 2008-11-15 03:14:05 UTC
From: Andrew Kronk
Topic: 6756 Message: 6756

I have a 40m dipole with old wire but clean connections. Makes some bends through trees on one side. Tried with both twinlead and coax (with an air balun). The coax is new. Can't seem to get it to tune. I wonder if the tuner is suspect? I use an MFJ manual Versa Tuner about 15 years old. Has anyone found that tuners degrade over time? Any ideas of what else to check would be appreciated. N8WGJ

[Non-text portions of this message have been removed]

6757. Re: can't tune

Yahoo group: ham-antennas (2008)
Date: 2008-11-15 03:20:31 UTC
From: Scott Laughlin
Topic: 6756 Message: 6757

Andrew,

I have a Versa Tuner about 20 years old. It got to acting crazy with SWRs coming out of nowhere. I subs radios, antennas, coax and finally when I changed the coax connector on the tuner the problem went away. It looks okay, but it's not. They're pretty cheap and if that solves your problem you've made a homerun.

Let me know.

72 de Scott/n7net/qrp

--- In ham-antennas@yahoogroups.com, Andrew Kronk <akronk801@...> wrote:
>
> I have a 40m dipole with old wire but clean connections. Makes some bends through trees on one side. Tried with both twinlead and coax (with an air balun). The coax is new. Can't seem to get it to tune. I wonder if the tuner is suspect? I use an MFJ manual Versa Tuner about 15 years old. Has anyone found that tuners degrade over time? Any ideas of what else to check would be appreciated. N8WGJ
>
> [Non-text portions of this message have been removed]
>

6758. Re: [ham-antennas] Re: can't tune

Yahoo group: ham-antennas (2008)
Date: 2008-11-15 04:27:33 UTC
From: Steve/WM5Z
Topic: 6756 Message: 6758

Sometimes, the connector center pin works loose. I gently pry the parts towards the middle. This will make it fit tight again, until you can replace the connector.

Steve/WM5Z

Scott Laughlin wrote:
> Andrew,
>
> I have a Versa Tuner about 20 years old. It got to acting crazy with
> SWRs coming out of nowhere. I subs radios, antennas, coax and finally
> when I changed the coax connector on the tuner the problem went away.
> It looks okay, but it's not. They're pretty cheap and if that solves
> your problem you've made a homerun.
>
> Let me know.
>
> 72 de Scott/n7net/qrp
>
> --- In ham-antennas@yahoogroups.com, Andrew Kronk <akronk801@...> wrote:
>
>> I have a 40m dipole with old wire but clean connections. Makes some
>>
> bends through trees on one side. Tried with both twinlead and coax
> (with an air balun). The coax is new. Can't seem to get it to tune.
> I wonder if the tuner is suspect? I use an MFJ manual Versa Tuner
> about 15 years old. Has anyone found that tuners degrade over time?
> Any ideas of what else to check would be appreciated. N8WGJ
>
>> [Non-text portions of this message have been removed]
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> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 1446 members (as of 9/26/08, and attachments are NOT permitted.
> Post message: ham-antennas@yahoogroups.com
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>

6759. Antenna ID for Newbiee

Yahoo group: ham-antennas (2008)
Date: 2008-11-15 19:17:18 UTC
From: Robert
Topic: 6759 Message: 6759

I have two questions, 1st how do I identify this antenna. It has 3 traps a 4 star radial close to the top. After looking on the net the closes thing I could find to it is the Hustler 4 BTV but it's not the same. Maybe an older one? 2nd can someone tell me where are the ground radials placed on this type of antenna.
73's
de ke5vnx

6760. Re: question on antenna and instruments

Yahoo group: ham-antennas (2008)
Date: 2008-11-15 21:02:53 UTC
From: catboat15@aol.com
Topic: 6760 Message: 6760

I want to put up a simple dipole antenna at our present location. I can get the theoretical lengths from the ARRL handbook, but know that is not the final word in this real world. The only instrument I have is a an old "Heath kit" grid dip meter. (Well no grid to dip as there is no tubes in my solid state model)

The instruction manual I have with the meter is not very clear how to use it to find the resonant length of an antenna. Any hints would be appreciated. I will be pushing out signals through my old Kenwood S-520 and don't want to overload the final tubes by trying to push electrons where they don't want to go.

John Meacham
K6SUF

**********You Rock! One month of free movies delivered by mail from blockbuster.com (http://pr.atwola.com/promoclk/100000075x1212639737x1200784900/aol?redir=https://www.blockbuster.com/signup/y/reg/p.26978/r.email_footer)

[Non-text portions of this message have been removed]

6761. Re: can't tune

Yahoo group: ham-antennas (2008)
Date: 2008-11-15 23:00:15 UTC
From: k9qb
Topic: 6756 Message: 6761

Had the same experience with a few other MFJ antenna tuners.

Those little pop rivets work for long enough to get them out the door to months and years, somtimes.

The first thing I do anymore when I get an MFJ tuner like that, is drill out the pop rivets and go back in with little screws, internal star washers and nuts...The star washers contact the cabinet after I scrape a little paint away.

Problem solved.

When it comes to the life of my rigs, I never count on those cheap-a-- pop rivets!

Mike WA5PSE

--- In ham-antennas@yahoogroups.com, "Scott Laughlin" <n7net@...> wrote:
>
> Andrew,
>
> I have a Versa Tuner about 20 years old. It got to acting crazy with
> SWRs coming out of nowhere. I subs radios, antennas, coax and finally
> when I changed the coax connector on the tuner the problem went away.
> It looks okay, but it's not. They're pretty cheap and if that solves
> your problem you've made a homerun.
>
> Let me know.
>
> 72 de Scott/n7net/qrp
>
> --- In ham-antennas@yahoogroups.com, Andrew Kronk <akronk801@> wrote:
> >
> > I have a 40m dipole with old wire but clean connections. Makes some
> bends through trees on one side. Tried with both twinlead and coax
> (with an air balun). The coax is new. Can't seem to get it to tune.
> I wonder if the tuner is suspect? I use an MFJ manual Versa Tuner

> about 15 years old. Has anyone found that tuners degrade over time?
> Any ideas of what else to check would be appreciated. N8WGJ
> >
> > [Non-text portions of this message have been removed]
> >
>

6762. hf vertical v dipole

Yahoo group: ham-antennas (2008)
Date: 2008-11-16 00:51:51 UTC
From: alan
Topic: 6762 Message: 6762

hi all
is a hf vertical better or worse for recieving only i ask this question
as i have a 20dipole up in my loft and was wondering if a vertical was
better or worse thanks ...alan

6763. Re: [ham-antennas] Re: question on antenna and instruments

Yahoo group: ham-antennas (2008)
Date: 2008-11-16 01:48:32 UTC
From: Steve/WM5Z
Topic: 6760 Message: 6763

If you can get up close to the antenna while it is mounted, such as if it is on a tower and you climb up there. Aside from this, you can connect a couple of turns around a form that the GDO coil can fit inside of and mounted on the end of your coax. I used to have one mounted on an SO-239 so I could test my antenna back in the day. What you do is tune through and when a dip is seen, back the GDO out a little, retuning the dip. Finally you will come to a place where the dip is just barely detectable. If you can, use something to measure the frequency, such as a receiver. The GDO, when loaded like this, will pull in frequency.

BTW and FWIW, this is how it was done when I was a novice in 1960. Several of the guys from the ham club in El Paso came over and helped me get my first antenna up for 40/15 this way. No SWR meter. No one had one they were willing to bring over. And, as I remember it, I cut the antenna by the formula in the ARRL handbook, or was it Bill Orr's book.

Hope this helps.

Steve/WM5Z

catboat15@... wrote:
> I want to put up a simple dipole antenna at our present location. I can get
> the theoretical lengths from the ARRL handbook, but know that is not the
> final word in this real world. The only instrument I have is a an old "Heath
> kit" grid dip meter. (Well no grid to dip as there is no tubes in my solid state
> model)
>
> The instruction manual I have with the meter is not very clear how to use it
> to find the resonant length of an antenna. Any hints would be appreciated.
> I will be pushing out signals through my old Kenwood S-520 and don't want to
> overload the final tubes by trying to push electrons where they don't want to
> go.
>
> John Meacham
> K6SUF
>
>
> **********You Rock! One month of free movies delivered by mail from
> blockbuster.com
> (http://pr.atwola.com/promoclk/100000075x1212639737x1200784900/aol?redir=https://www.blo
ckbuster.com/signup/y/reg/p.26978/r.email_footer)
>
>
> [Non-text portions of this message have been removed]
>
>

> ---
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 1446 members (as of 9/26/08, and attachments are NOT permitted.
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6764. RE: [ham-antennas] Re: question on antenna and instruments

Yahoo group: ham-antennas (2008)
Date: 2008-11-16 01:49:36 UTC
From: Richard Schmuke
Topic: 6760 Message: 6764

With a Kenwood 520 you have two 6146□s and a plate and loading cap on the output, it will match up just fine. Cut the dipole according to the frequency you want to operate and use it. Unless you want a 40m dipole 10 ft off the ground it will be close enough. IMO

Rich , KDØZZ

Disclaimer: Any errors in spelling or facts are transmission errors.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of catboat15@...
Sent: Saturday, November 15, 2008 3:03 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: question on antenna and instruments

I want to put up a simple dipole antenna at our present location. I can get the theoretical lengths from the ARRL handbook, but know that is not the final word in this real world. The only instrument I have is a an old "Heath

kit" grid dip meter. (Well no grid to dip as there is no tubes in my solid state
model)

The instruction manual I have with the meter is not very clear how to use it

to find the resonant length of an antenna. Any hints would be appreciated. I will be pushing out signals through my old Kenwood S-520 and don't want to

overload the final tubes by trying to push electrons where they don't want to
go.

John Meacham
K6SUF

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[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

6765. RE: [ham-antennas] hf vertical v dipole

Yahoo group: ham-antennas (2008)
Date: 2008-11-16 01:55:54 UTC
From: Richard Schmuke
Topic: 6762 Message: 6765

Think of the radiation/hearing pattern of a dipole looking like a donut , great on the side , not so hot on the ends. If you turn it upright into a vertical it will hear equally all around , 360 degrees of a circle. You might get a little more noise with a vertical .

Rich , KDØZZ

Disclaimer: Any errors in spelling or facts are transmission errors.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of alan
Sent: Saturday, November 15, 2008 6:52 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] hf vertical v dipole

hi all
is a hf vertical better or worse for recieving only i ask this question as i have a 20dipole up in my loft and was wondering if a vertical was better or worse thanks ...alan

[Non-text portions of this message have been removed]

6766. RE: [ham-antennas] Antenna ID for Newbiee

Yahoo group: ham-antennas (2008)
Date: 2008-11-16 02:09:55 UTC
From: Richard Schmuke
Topic: 6759 Message: 6766

Robert , I cannot see your antenna but most of them have a mounting bracket at the base , sometimes it will be a strap running parallel to the main mast and be about 12☐ tall, it will be insulated at the top and have the SO-239 for the coax at the bottom. If this is it, just look at the lower part , should be some holes or small bolts. This is where the radials go. If it is old make sure you clean it to get a good connection with the radials.

Rich , KDØZZ

Disclaimer: Any errors in spelling or facts are transmission errors.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Robert
Sent: Saturday, November 15, 2008 1:17 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Antenna ID for Newbiee

I have two questions, 1st how do I identify this antenna. It has 3 traps a 4 star radial close to the top. After looking on the net the closes thing I could find to it is the Hustler 4 BTV but it's not the same. Maybe an older one? 2nd can someone tell me where are the ground radials placed on this type of antenna.
73's
de ke5vnx

[Non-text portions of this message have been removed]

6767. Re: hf vertical v dipole

Yahoo group: ham-antennas (2008)
Date: 2008-11-16 23:21:23 UTC
From: wd4elg_base
Topic: 6762 Message: 6767

Alan

It depends!

Are you trying to work DX? In general, vertical has lower angle of radiation. But no directivity, which means it receives from all directions. Dipoles have some broadside directivity.

Verticals tend to suffer more from man-mande noise.

How high is the dipole? How many radials are attached to the vertical? What kind of soil? If I am at the beach near seawater, the vertical will perform extremely well for DX. At my house here in NC, the dipole on 20 meters (at 40 feet) can and often does outperform my vertical.

Dipoles are easier to erect. Do you want to use multiple bands on a single antenna?

What is your yard situation? Do you have trees to hold a dipole?

A thousand questions! Please clarify with your objectives and "yard situation" and we can give more details.

Hope this helps!

Mark Lunday
WD4ELG
http://wd4elg.net

6769. Re: Experimenting and finding fact

Yahoo group: ham-antennas (2008)
Date: 2008-11-17 14:48:15 UTC
From: gadzooks.mike
Topic: 6739 Message: 6769

I just have two questions:

1. How did you get the wire over the 90 foot pine?
2. Would you put a wire over the pine tree in my backyard for me please? :)

Seriously, what did you use to get that thing over the tree?

73
Mike
KI4TWB

> I have an inverted-L that slopes towards aPine Tree with a 12 degree
> slope. It goes up the tree until it reaches the top where it is 90
> feet in the air and then goes horizontal for the remaining portion of
> the L. The total length of the wire is 138' 6" with the 38'6" portion
> horizontal. That yields a 90 foot vertical with a 48'6" horizontal
> portion.

6770. RE: [ham-antennas] Re: Experimenting and finding fact

Yahoo group: ham-antennas (2008)
Date: 2008-11-17 15:03:56 UTC
From: James M.(Jim) Geidl
Topic: 6739 Message: 6770

Mike,

For what it's worth, I have easily tossed lines that high just using a fishing rod and a standard weight...nothing particularly heavy.

Jim, K6JMG

//

> [mailto:ham-antennas@yahoogroups.com] On Behalf Of gadzooks.mike
> Sent: Monday, November 17, 2008 6:48 AM
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] Re: Experimenting and finding fact
>
> I just have two questions:
>
> 1. How did you get the wire over the 90 foot pine?
> 2. Would you put a wire over the pine tree in my backyard
> for me please? :)
>
> Seriously, what did you use to get that thing over the tree?
>
> 73
> Mike
> KI4TWB
>
>
> > I have an inverted-L that slopes towards aPine Tree with a 12
> degree
> > slope. It goes up the tree until it reaches the top where it is 90
> > feet in the air and then goes horizontal for the remaining portion
> of
> > the L. The total length of the wire is 138' 6" with the 38'6"
> portion
> > horizontal. That yields a 90 foot vertical with a 48'6" horizontal
> > portion.

6771. Re: [ham-antennas] Re: Experimenting and finding fact

Yahoo group: ham-antennas (2008)
Date: 2008-11-17 15:09:15 UTC
From: Chris
Topic: 6739 Message: 6771

I have a 7' rod that I cut down to two eyes only for use in tighter quarters. The main problem I have isn't getting the height, it's the spool doesn't have enough capacity so on my taller trees, the weight won't make it down the other side.

I have to change the reel out for a larger one I think.

Go with round smooth sinkers and get them at least 2-3oz and it helps them drop through branches as they come down more easily.

Once the line is on the other side, you just tie off your support insulator to the fishing line and pull it back over the tree. Tape if off to cover any edges that could snag in the branches.

Once that is on the ground, you put the wire through the insulator and haul it up the tree again....don't cut off the slack once it's up and you'll be able to raise and lower the wire later on.

It mostly takes patience. If you have dense wooded area like me...good luck, it isn't easy.

On Mon, Nov 17, 2008 at 10:03 AM, James M.(Jim) Geidl
<jgeidl@...> wrote:
> Mike,
>
> For what it's worth, I have easily tossed lines that high just using a
> fishing rod and a standard weight...nothing particularly heavy.
>
> Jim, K6JMG
>
> //

6772. Re: [ham-antennas] Re: Experimenting and finding fact

Yahoo group: ham-antennas (2008)
Date: 2008-11-17 15:12:05 UTC
From: pmihnovets@comporium.net
Topic: 6739 Message: 6772

Mike, just wanted to share my situation. I hired a guy who works for a tree maint. Company. I fabricated a slip strap with pulley for the person who climbed the tree using his climbing gaffs and belt. Took him a half hour to put up 4 straps on four trees. Now all I have to do is use the pulleys to put up and take down the antennas. The pulleys are in 70 foot tall carolina pines

Pete KI4RBD
Sent from my Verizon Wireless BlackBerry

-----Original Message-----
From: "gadzooks.mike" <gadzooks.mike@...>

Date: Mon, 17 Nov 2008 14:48:15
To: <ham-antennas@yahoogroups.com>
Subject: [ham-antennas] Re: Experimenting and finding fact

I just have two questions:

1. How did you get the wire over the 90 foot pine?
2. Would you put a wire over the pine tree in my backyard for me please? :)

Seriously, what did you use to get that thing over the tree?

73
Mike
KI4TWB

> I have an inverted-L that slopes towards aPine Tree with a 12 degree
> slope. It goes up the tree until it reaches the top where it is 90
> feet in the air and then goes horizontal for the remaining portion of
> the L. The total length of the wire is 138' 6" with the 38'6" portion
> horizontal. That yields a 90 foot vertical with a 48'6" horizontal
> portion.

[Non-text portions of this message have been removed]

6773. Re: [ham-antennas] Re: Experimenting and finding fact

Yahoo group: ham-antennas (2008)
Date: 2008-11-18 15:33:00 UTC
From: dennisissure
Topic: 6739 Message: 6773

A 3-4 oz. weight/sinker was used with a small fishing pole with reel attached. It went over after 4 tries. It cleared the top and dropped to the other side. You might have better luck now with fall and winter approaching.

tip------aim high like your reaching for the stars and it will do its job.....

hope this helps Dennis in York, SC
----- Original Message -----
From: gadzooks.mike
To: ham-antennas@yahoogroups.com
Sent: Monday, November 17, 2008 9:48 AM
Subject: [ham-antennas] Re: Experimenting and finding fact

I just have two questions:

1. How did you get the wire over the 90 foot pine?
2. Would you put a wire over the pine tree in my backyard for me
please? :)

Seriously, what did you use to get that thing over the tree?

73
Mike
KI4TWB

> I have an inverted-L that slopes towards aPine Tree with a 12
degree
> slope. It goes up the tree until it reaches the top where it is 90
> feet in the air and then goes horizontal for the remaining portion
of
> the L. The total length of the wire is 138' 6" with the 38'6"
portion
> horizontal. That yields a 90 foot vertical with a 48'6" horizontal
> portion.

No virus found in this incoming message.
Checked by AVG - http://www.avg.com
Version: 8.0.175 / Virus Database: 270.9.4/1794 - Release Date: 11/17/2008 8:48 AM

No virus found in this outgoing message.
Checked by AVG - http://www.avg.com
Version: 8.0.175 / Virus Database: 270.9.4/1794 - Release Date: 11/17/2008 8:48 AM

[Non-text portions of this message have been removed]

6774. Placement of dipole

Yahoo group: ham-antennas (2008)
Date: 2008-11-17 15:39:11 UTC
From: KE7JSL@tmo.blackberry.net
Topic: 6774 Message: 6774

Question: does the placement of the dipole matter? What I mean is should it always go on top of an object or is infront ok? What about going through a large plant? I could see if it was metal that would be an issue but any other considerations? I know experiment but just asking for suggestions. Thanks.

John
KE7JSL
Sent via BlackBerry from T-Mobile

6775. Re: [ham-antennas] Placement of dipole

Yahoo group: ham-antennas (2008)
Date: 2008-11-17 15:56:13 UTC
From: Its from KE4VYN
Topic: 6774 Message: 6775

John,
That what ham experimentation is all about! Do it for yourself and you will know. Really, you're a general class ham, what do YOU think?
Trust your instincts, not somebody across the internet. I KNOW YOU SAID just asking for suggestions, but did you know the dipole is the simplest antenna there is? You can build a dipole out of wet and dry rope! Wet for the 'hot' sides and the dry as a insulator.

Really NOT trying to be a smart a..

73
Lee
KE4VYN

----- Original Message -----
From: KE7JSL@...<mailto:KE7JSL@...>
To: ham-antennas@yahoogroups.com<mailto:ham-antennas@yahoogroups.com>
Sent: Monday, November 17, 2008 9:39 AM
Subject: [ham-antennas] Placement of dipole

Question: does the placement of the dipole matter? What I mean is should it always go on top of an object or is infront ok? What about going through a large plant? I could see if it was metal that would be an issue but any other considerations? I know experiment but just asking for suggestions. Thanks.

John
KE7JSL
Sent via BlackBerry from T-Mobile

[Non-text portions of this message have been removed]

6776. Re: Placement of dipole

Yahoo group: ham-antennas (2008)
Date: 2008-11-17 16:21:07 UTC
From: Scott Laughlin
Topic: 6774 Message: 6776

John,

Getting and giving information is what this group is all about.

Transmitting through anything is going to degrade your signal.

Where to place an antenna? I think the book says a quarter wave above the ground. I've never had one high enough for the lower frequencies, so I work with what I have and live with what I get.

If you build an inverted V you should keep the apex at about 90 degrees in order for the impedance 50 ohms.

You didn't ask, but most folks keep the apex on top. However, I once moved into a Texas neighborhood where it was to my benefit to keep the antenna out of sight. I put a G5RV Jr on it's side in a liveoak tree. When I was done the apex was pointed toward New England. It worked even on 750mw.

72 de Scott/n7net/qrp

--- In ham-antennas@yahoogroups.com, "Its from KE4VYN" <ke4vyn@...> wrote:
>
> John,
> That what ham experimentation is all about! Do it for yourself and you will know. Really, you're a general class ham, what do YOU think?
> Trust your instincts, not somebody across the internet. I KNOW YOU SAID just asking for suggestions, but did you know the dipole is the simplest antenna there is? You can build a dipole out of wet and dry rope! Wet for the 'hot' sides and the dry as a insulator.
>
> Really NOT trying to be a smart a..
>
> 73
> Lee
> KE4VYN
>
> ----- Original Message -----
> From: KE7JSL@...<mailto:KE7JSL@...>
> To: ham-antennas@yahoogroups.com<mailto:ham-antennas@yahoogroups.com>
> Sent: Monday, November 17, 2008 9:39 AM
> Subject: [ham-antennas] Placement of dipole
>
>
> Question: does the placement of the dipole matter? What I mean is

should it always go on top of an object or is infront ok? What about going through a large plant? I could see if it was metal that would be an issue but any other considerations? I know experiment but just asking for suggestions. Thanks.
>
> John
> KE7JSL
> Sent via BlackBerry from T-Mobile
>
>
>
>
> [Non-text portions of this message have been removed]
>

6777. Re: [ham-antennas] Placement of dipole

Yahoo group: ham-antennas (2008)
Date: 2008-11-17 16:23:37 UTC
From: KE7JSL@tmo.blackberry.net
Topic: 6774 Message: 6777

>> That what ham experimentation is all about!

In other words throw it on the wall as see what sticks. (works) Thanks.

John
KE7JSL
Sent via BlackBerry from T-Mobile

6778. Re: [ham-antennas] Re: Placement of dipole

Yahoo group: ham-antennas (2008)
Date: 2008-11-17 16:30:51 UTC
From: KE7JSL@tmo.blackberry.net
Topic: 6774 Message: 6778

With a big front yard and small back yard tring not to annoy the neighbors, cause tvi etc (been there already) thats what I thought. Open wire (as in open space) seems logical but not always possible. Morning dew, rain, etc weight on the wire is why I asked and now has got me thinking. Been playing with a verticle not room for a yagi so I'm going from there. Thanks.

John
KE7JSL

Sent via BlackBerry from T-Mobile

6779. Re: Placement of dipole

Yahoo group: ham-antennas (2008)
Date: 2008-11-17 16:50:27 UTC
From: Scott Laughlin
Topic: 6774 Message: 6779

John,

If you're short on space you might consider a magnetic loop. I have a yahoo group

http://groups.yahoo.com/group/qnc/

that has some smaller antenna ideas in the file section. There's a sloper made of 300 Ohm twin lead. It's about 15 feet long and the builder claims will tune 40 and 80.

I haven't tried any of them. My present antenna is a G5RV hugging a swimming pool. I'm sure I could do better.

72 de Scott/n7net/qrp

-- In ham-antennas@yahoogroups.com, KE7JSL@... wrote:
>
> With a big front yard and small back yard tring not to annoy the neighbors, cause tvi etc (been there already) thats what I thought. Open wire (as in open space) seems logical but not always possible. Morning dew, rain, etc weight on the wire is why I asked and now has got me thinking. Been playing with a verticle not room for a yagi so I'm going from there. Thanks.
>
> John
> KE7JSL
>
> Sent via BlackBerry from T-Mobile
>

6780. Unsubscribe messages posting ?????

Yahoo group: ham-antennas (2008)
Date: 2008-11-17 17:03:36 UTC
From: vaclav_sal
Topic: 6780 Message: 6780

To the owner / moderator or to whomever cares.
Can the distribution of "unsubscribe" messages be eliminated?
It is of very little value to the rest of us who enjoy this site.

73 Vaclav AA7EJ

6781. Re: [ham-antennas] Unsubscribe messages posting ?????

Yahoo group: ham-antennas (2008)
Date: 2008-11-17 17:08:48 UTC
From: Leonard K. Pennock
Topic: 6780 Message: 6781

It is a yahoo "feature". I think they have to do it to keep from being classified as illegal spam. The anti spam laws a few years backed required each notice to have a opt out option. I've never seen a option to remove it in the groups I own.

vaclav_sal wrote:
> To the owner / moderator or to whomever cares.
> Can the distribution of "unsubscribe" messages be eliminated?
> It is of very little value to the rest of us who enjoy this site.
>
> 73 Vaclav AA7EJ
>
>
>
> ---
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 1446 members (as of 9/26/08, and attachments are NOT permitted.
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> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
--
Leonard K. Pennock
AD7AS

Those who walk bravely through life, unafraid of loss or failure,
find that they very rarely lose or fail.

6782. Re: [ham-antennas] Re: Placement of dipole

Yahoo group: ham-antennas (2008)
Date: 2008-11-17 17:16:05 UTC
From: KE5PIQ
Topic: 6774 Message: 6782

But don't forget the fun that can be had with an inverted v built like a fan dipole made with red, white ,and blue #12 wire strung from the top of a pine tree.Watching the 4 cars of police trying to figure out what all that wires strung up for, the looks on their face was priceless, they stood out there for at least an hour before I told them what it was for. Turned out they saw it on the way to a call about a block down which had nothing to do with me, but they decided to wait in front of my qth because they had never seen anything like it.Ike came along and took it out gotta rebuild all that's up now is an 80 meter inverted v.

On Mon, Nov 17, 2008 at 10:50 AM, Scott Laughlin <n7net@...> wrote:
> John,
>
> If you're short on space you might consider a magnetic loop. I have
> a yahoo group
>
> http://groups.yahoo.com/group/qnc/
>
> that has some smaller antenna ideas in the file section. There's a
> sloper made of 300 Ohm twin lead. It's about 15 feet long and the
> builder claims will tune 40 and 80.
>
> I haven't tried any of them. My present antenna is a G5RV hugging a
> swimming pool. I'm sure I could do better.
>
> 72 de Scott/n7net/qrp
>
> -- In ham-antennas@yahoogroups.com, KE7JSL@... wrote:
>>
>> With a big front yard and small back yard tring not to annoy the
> neighbors, cause tvi etc (been there already) thats what I thought.
> Open wire (as in open space) seems logical but not always possible.
> Morning dew, rain, etc weight on the wire is why I asked and now has
> got me thinking. Been playing with a verticle not room for a yagi so
> I'm going from there. Thanks.
>>
>> John
>> KE7JSL
>>
>> Sent via BlackBerry from T-Mobile
>>
>
>
>

> ---
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 1446 members (as of 9/26/08, and attachments are NOT permitted.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
>

6783. RE: [ham-antennas] Re: Placement of dipole

Yahoo group: ham-antennas (2008)
Date: 2008-11-17 17:40:37 UTC
From: Richard Schmuke
Topic: 6774 Message: 6783

Good questions , John. I do have a 5 band , Fan Dipole,80/40/20/17/10. I wish it was red, white and blue , I love that story.

Back to the point , because the wires are about 1.7☐ apart with plastic spacers , I do have a problem with rain and ice forming a resistance between the wires, OK when dry. A regular one band dipole should not have that problem.

Rich ,KDØZZ ,

from the middle of Missouri , out in the sticks with the hicks and the ticks.

Subject: Re: [ham-antennas] Re: Placement of dipole

With a big front yard and small back yard tring not to annoy the neighbors, cause tvi etc (been there already) thats what I thought. Open wire (as in open space) seems logical but not always possible. Morning dew, rain, etc weight on the wire is why I asked and now has got me thinking. Been playing with a verticle not room for a yagi so I'm going from there. Thanks.

John
KE7JSL

Sent via BlackBerry from T-Mobile

[Non-text portions of this message have been removed]

6784. 6m/10m FM Clandestine antenna

Yahoo group: ham-antennas (2008)
Date: 2008-11-17 17:58:28 UTC
From: Leonard K. Pennock
Topic: 6784 Message: 6784

I need a Clandestine vertical antenna for the FM portions of the 6M and 10M bands. Anyone have a suggestion or better yet plans for such a animal.

--
Leonard K. Pennock
AD7AS

Those who walk bravely through life, unafraid of loss or failure, find that they very rarely lose or fail.

6785. Re: [ham-antennas] Unsubscribe messages posting ?????

Yahoo group: ham-antennas (2008)
Date: 2008-11-17 18:07:41 UTC
From: Chris
Topic: 6780 Message: 6785

It's a relic of old style majordomo email reflectors. You see them when the user doesn't remember how they signed up. The old lists, one would send 'subscribe' or 'unsubscribe' in the subject of an empty mail to join or part a list.

No way to really block them, but people think they can send an unsub message to yahoo groups all the time.... I have no idea why they don't remember to log back in and unsub, but it's pretty constant.

On Mon, Nov 17, 2008 at 12:03 PM, vaclav_sal <vaclav_sal@...> wrote:
> To the owner / moderator or to whomever cares.
> Can the distribution of "unsubscribe" messages be eliminated?
> It is of very little value to the rest of us who enjoy this site.
>
> 73 Vaclav AA7EJ

6786. Re: [ham-antennas] 6m/10m FM Clandestine antenna

Yahoo group: ham-antennas (2008)
Date: 2008-11-17 18:09:13 UTC
From: KE7JSL@tmo.blackberry.net
Topic: 6784 Message: 6786

Hi,

A 5/8 wave 2 meter 1/4 on 6m mobile is pretty small and can be mounted and hidden in a tree. Sorry not sure about 10m

John
KE7JSL

>>I need a Clandestine vertical antenna for the FM portions of the 6M and
10M bands.
Sent via BlackBerry from T-Mobile

6787. Re: [ham-antennas] 6m/10m FM Clandestine antenna

Yahoo group: ham-antennas (2008)
Date: 2008-11-17 18:17:23 UTC
From: Leonard K. Pennock
Topic: 6784 Message: 6787

Thanks. It actually has to go in a attic as I don't have any trees and
Cholla isn't tall enough to be of any use.

KE7JSL@... wrote:
> Hi,
>
> A 5/8 wave 2 meter 1/4 on 6m mobile is pretty small and can be mounted and hidden in a tree. Sorry not sure about 10m
>
> John
> KE7JSL
>
>>> I need a Clandestine vertical antenna for the FM portions of the 6M and
> 10M bands.
> Sent via BlackBerry from T-Mobile
>
> ---
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 1446 members (as of 9/26/08, and attachments are NOT permitted.
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> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
--
Leonard K. Pennock
AD7AS

Those who walk bravely through life, unafraid of loss or failure,
find that they very rarely lose or fail.

6788. Re: [ham-antennas] 6m/10m FM Clandestine antenna

Yahoo group: ham-antennas (2008)
Date: 2008-11-17 18:22:48 UTC
From: jeff
Topic: 6784 Message: 6788

Leonard K. Pennock wrote:
> I need a Clandestine vertical antenna for the FM portions of the 6M and
> 10M bands. Anyone have a suggestion or better yet plans for such a animal.

have you ever seen the 300ohm twinlead 2m antenna? It's virtually
invisible, I would suspect, in a tree. Google 2m twinlead jpole.

If you want to get really sneaky, you can use a piece of vertical wire,
cut for the proper band (provided you have a decent ground) or you could
make radials. About as invisible as you can get.

There are websites with antenna calculators which will give you lengths
based upon frequency.

6789. Re: [ham-antennas] Unsubscribe messages posting ?????

Yahoo group: ham-antennas (2008)
Date: 2008-11-17 18:37:40 UTC
From: Andy
Topic: 6780 Message: 6789

> Can the distribution of "unsubscribe" messages be eliminated?
> It is of very little value to the rest of us who enjoy this site.

Unsubscribe messages aren't supposed to be sent to the group list. The bottom of every group email shows a different email address to send those unsub requests to:

But some people ignore those instructions and send them to the group anyway. (Mr. 'nlukens_1' still hasn't figured it out, I guess; or maybe he thinks it is a 'Majordomo' or some other group which recognizes the "unsubscribe" command. Yahoogroups have no such command.)

Most Yahoogroups automatically distribute everything to the whole group, without the moderator having to approve each one, so the moderator doesn't get a chance to intervene until it has already been distributed.

Andy

6790. RE: [ham-antennas] 6m/10m FM Clandestine antenna

Yahoo group: ham-antennas (2008)
Date: 2008-11-17 18:41:18 UTC
From: Kirk Morrison
Topic: 6784 Message: 6790

10 meter is about 100 inches on the upper end and one can be loaded and placed against ground wire against the house or a tree and 2 radials will get you out on it.

Kirk

"He who has honor need not fear death."

Eva Marie LeGrand Morrison 5/24/1958-6/26/2008

My beloved wife, and my best friend, I miss you

To: ham-antennas@yahoogroups.com
From: KE7JSL@...
Date: Mon, 17 Nov 2008 18:09:13 +0000
Subject: Re: [ham-antennas] 6m/10m FM Clandestine antenna

Hi,

A 5/8 wave 2 meter 1/4 on 6m mobile is pretty small and can be mounted and hidden in a tree. Sorry not sure about 10m

John

KE7JSL

>>I need a Clandestine vertical antenna for the FM portions of the 6M and

10M bands.

Sent via BlackBerry from T-Mobile

Windows Live Hotmail now works up to 70% faster.
http://windowslive.com/Explore/Hotmail?ocid=TXT_TAGLM_WL_hotmail_acq_faster_112008

[Non-text portions of this message have been removed]

6791. RE: [ham-antennas] Unsubscribe messages posting ?????

Yahoo group: ham-antennas (2008)
Date: 2008-11-17 18:51:29 UTC
From: Gary H. Harmon, Jr
Topic: 6780 Message: 6791

Fortunately, it doesn't happy very often, that I have seen. As a moderator, I email the person wishing to unsubscribe and instruct them to logon to Yahoo Groups, go to the list in question and follow the instructions to unsubscribe. Could I do it for them? Yes, but not my job as the moderator.

73,

Gary H. Harmon, Jr. / K5JWK
San Antonio, TX 78239-1504
210.884.6926
gharmon@...

"Being a grandparent is a marvelous thing!"

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Andy
Sent: Monday, November 17, 2008 12:38 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Unsubscribe messages posting ?????

> Can the distribution of "unsubscribe" messages be eliminated?
> It is of very little value to the rest of us who enjoy this site.

Unsubscribe messages aren't supposed to be sent to the group list. The bottom of every group email shows a different email address to send those unsub requests to:

But some people ignore those instructions and send them to the group anyway. (Mr. 'nlukens_1' still hasn't figured it out, I guess; or maybe he thinks it is a 'Majordomo' or some other group which recognizes the "unsubscribe" command. Yahoogroups have no such command.)

Most Yahoogroups automatically distribute everything to the whole group, without the moderator having to approve each one, so the moderator doesn't get a chance to intervene until it has already been distributed.

Andy

[Non-text portions of this message have been removed]

6792. Re: [ham-antennas] Placement of dipole

Yahoo group: ham-antennas (2008)
Date: 2008-11-17 19:02:09 UTC
From: Its from KE4VYN
Topic: 6774 Message: 6792

HAHAHA Now your getting it!! I think what ever you do will be fine, as I'm sure at least 10 people will give you advice. Listen to it and do what YOU think will work.

See ya on the bands,
and if you need REAL help; shoot me a line anytime.

73
Lee
KE4VYN

----- Original Message -----
From: KE7JSL@...<mailto:KE7JSL@...>
To: ham-antennas@yahoogroups.com<mailto:ham-antennas@yahoogroups.com>
Sent: Monday, November 17, 2008 10:23 AM
Subject: Re: [ham-antennas] Placement of dipole

>> That what ham experimentation is all about!

In other words throw it on the wall as see what sticks. (works) Thanks.

John
KE7JSL
Sent via BlackBerry from T-Mobile

[Non-text portions of this message have been removed]

6793. Re: [ham-antennas] Re: Placement of dipole

Yahoo group: ham-antennas (2008)
Date: 2008-11-17 19:23:17 UTC
From: Steve/WM5Z
Topic: 6774 Message: 6793

I've been where you're at. A dipole strung from the flagpole in the front yard, and across the roof to the back yard worked best for me. For a vertical to work with any kind of decent efficiency, you really need some radials. You didn't mention what bands you want to operate on, but I am assuming you meant low bands like 160 - 40. The higher bands an elevated ground plane is good, but the longer elements for the low bands makes this very difficult. Dipoles are the easiest. Even trapped dipoles.

I did some experiments with making dipoles from the 1/16" steel cable. You have to crimp connectors on that stuff. Elevated, the wire all but disappears. It does have some extra DC resistance, and this adds to the inefficiency slightly (maybe 10%). But, when you take into consideration that a vertical starts off at 50%, this isn't such a problem.

Thanks for reminding me how fortunate I am. I have a commercial nursery to the rear or west, a junk yard to the north, a pecan orchard to the south, and in the front, or east, is my closest neighbor, who is very pro-amateur radio. I even asked him if he noticed any problems, since my amplifier can put out 1200 watts. He is an electronics engineer and so would know if he had any.

KE7JSL@... wrote:
> With a big front yard and small back yard tring not to annoy the neighbors, cause tvi etc (been there already) thats what I thought. Open wire (as in open space) seems logical but not always possible. Morning dew, rain, etc weight on the wire is why I asked and now has got me thinking. Been playing with a verticle not room for a yagi so I'm going from there. Thanks.
>
> John
> KE7JSL
>
> Sent via BlackBerry from T-Mobile
>
> ---
>
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> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
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>

6794. Re: [ham-antennas] Unsubscribe messages posting ?????

Yahoo group: ham-antennas (2008)
Date: 2008-11-17 19:28:46 UTC
From: Arthur Nienhouse
Topic: 6780 Message: 6794

The very last link at the bottom of each post is a link to unsubscribe

Regards
Art
ka9zap

6795. Re: [ham-antennas] Unsubscribe messages posting ?????

Yahoo group: ham-antennas (2008)
Date: 2008-11-17 19:43:19 UTC
From: Steve/WM5Z
Topic: 6780 Message: 6795

I think Leonard meant when someone opts out, can the reflector message
be suppressed.

Steve/WM5Z

Leonard K. Pennock wrote:
> It is a yahoo "feature". I think they have to do it to keep from being
> classified as illegal spam. The anti spam laws a few years backed
> required each notice to have a opt out option. I've never seen a option
> to remove it in the groups I own.
>
> vaclav_sal wrote:
>
>> To the owner / moderator or to whomever cares.
>> Can the distribution of "unsubscribe" messages be eliminated?
>> It is of very little value to the rest of us who enjoy this site.
>>
>> 73 Vaclav AA7EJ
>>
>>
>>
>> ------------------------------------
>>
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>> Yahoo! Groups Links
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>>

6796. Re: [ham-antennas] 6m/10m FM Clandestine antenna

Yahoo group: ham-antennas (2008)
Date: 2008-11-17 20:21:19 UTC
From: Steve/WM5Z
Topic: 6784 Message: 6796

Music wire is very strong, and can be very very thin. Making a dipole
from that would be almost totally invisible from a distance, such as
curb side overlooking your house.

Steve/WM5Z

Leonard K. Pennock wrote:
> Thanks. It actually has to go in a attic as I don't have any trees and
> Cholla isn't tall enough to be of any use.
>
> KE7JSL@... wrote:
>
>> Hi,
>>
>> A 5/8 wave 2 meter 1/4 on 6m mobile is pretty small and can be mounted and hidden in a
tree. Sorry not sure about 10m
>>
>> John
>> KE7JSL
>>
>>
>>>> I need a Clandestine vertical antenna for the FM portions of the 6M and
>>>>
>> 10M bands.
>> Sent via BlackBerry from T-Mobile
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>> ----------
>>
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>> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
>> List owner: ham-antennas-owner@yahoogroups.com
>> Yahoo! Groups Links
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>>
>>
>>

6797. Re: [ham-antennas] 6m/10m FM Clandestine antenna

Yahoo group: ham-antennas (2008)
Date: 2008-11-17 21:09:43 UTC
From: Leonard K. Pennock
Topic: 6784 Message: 6797

I'll have to look into finding some.

Steve/WM5Z wrote:
> Music wire is very strong, and can be very very thin. Making a dipole
> from that would be almost totally invisible from a distance, such as
> curb side overlooking your house.
>
> Steve/WM5Z
>
>

--
Leonard K. Pennock
AD7AS

Those who walk bravely through life, unafraid of loss or failure,
find that they very rarely lose or fail.

6798. Re: [ham-antennas] unsubscribe

Yahoo group: ham-antennas (2008)
Date: 2008-11-17 21:17:49 UTC
From: Mike Check
Topic: 3245 Message: 6798

win lottery

On Sun, Nov 16, 2008 at 8:23 PM, nlukens_1 <nlukens1@...> wrote:

>
>
>
>

[Non-text portions of this message have been removed]

6799. Re: 6m/10m FM Clandestine antenna

Yahoo group: ham-antennas (2008)
Date: 2008-11-17 21:22:37 UTC
From: Scott Laughlin
Topic: 6784 Message: 6799

The band width would be very narrow on an antenna made of such thin
wire.

72 Scott/n7net/qrp

--- In ham-antennas@yahoogroups.com, "Leonard K. Pennock"
<leonardpennock@...> wrote:
>
> I'll have to look into finding some.
>
> Steve/WM5Z wrote:
> > Music wire is very strong, and can be very very thin. Making a
dipole
> > from that would be almost totally invisible from a distance, such
as
> > curb side overlooking your house.
> >
> > Steve/WM5Z
> >
> >
>
> --
> Leonard K. Pennock
> AD7AS
>
> Those who walk bravely through life, unafraid of loss or failure,
> find that they very rarely lose or fail.
>

6800. Re: [ham-antennas] Unsubscribe messages posting ?????

Yahoo group: ham-antennas (2008)
Date: 2008-11-17 21:44:34 UTC
From: Mike Check
Topic: 6780 Message: 6800

No. To answer your question Steve/WM5Z
If you send the unsubscribe to the list address ham-antennas@yahoogroups.com
it will
automatically go to the group.

To unsubscribe, mail to: ham-antennas-unsubscribe@yahoogroups.com

and I believe then it won't go to the list.

You cannot simultaneously prevent and prepare for war.
Albert Einstein, (attributed)
-------Original Message-------

From: Steve/WM5Z
Date: 11/17/2008 1:44:56 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Unsubscribe messages posting ?????

I think Leonard meant when someone opts out, can the reflector message
be suppressed.

Steve/WM5Z

Leonard K. Pennock wrote:
> It is a yahoo "feature". I think they have to do it to keep from being
> classified as illegal spam. The anti spam laws a few years backed
> required each notice to have a opt out option. I've never seen a option
> to remove it in the groups I own.
>
> vaclav_sal wrote:
>
>> To the owner / moderator or to whomever cares.
>> Can the distribution of "unsubscribe" messages be eliminated?
>> It is of very little value to the rest of us who enjoy this site.
>>
>> 73 Vaclav AA7EJ
>>
>>
>>
>> ------------------------------------
>>
>> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies
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>> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
>> List owner: ham-antennas-owner@yahoogroups.com

>> Yahoo! Groups Links
>>
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>>

[Non-text portions of this message have been removed]

6801. Re: [ham-antennas] Unsubscribe messages posting ?????

Yahoo group: ham-antennas (2008)
Date: 2008-11-17 22:29:35 UTC
From: vaclav sal
Topic: 6780 Message: 6801

Thanks for the explanation.
I guess ability to read and follow instructions still has its value.
73 Vaclav (adjunct instructor)

[Non-text portions of this message have been removed]

6802. Re: [ham-antennas] 6m/10m FM Clandestine antenna

Yahoo group: ham-antennas (2008)
Date: 2008-11-17 23:38:21 UTC
From: Steve/WM5Z
Topic: 6784 Message: 6802

Google Music wire or piano wire. Both will get you the same results.
They do even make it in stainless steel.

Steve/WM5Z

Leonard K. Pennock wrote:
> I'll have to look into finding some.
>
> Steve/WM5Z wrote:
>
>> Music wire is very strong, and can be very very thin. Making a dipole
>> from that would be almost totally invisible from a distance, such as
>> curb side overlooking your house.
>>
>> Steve/WM5Z
>>
>>
>>
>
>

6803. Re: [ham-antennas] Unsubscribe messages posting ?????

Yahoo group: ham-antennas (2008)
Date: 2008-11-17 23:47:31 UTC
From: Andy
Topic: 6780 Message: 6803

Hmm, looks like Yahoo edited my reply earlier today and removed the text I had after the colon. I had pasted the instructions found in every group email message "To unsubscribe from this group...".

I didn't know that Yahoo edited submitted messages like that! (Gee, if they can do that, why DON'T they block those 'unsubscribe' messages from reaching the group??)

Andy

6804. Re: [ham-antennas] Re: 6m/10m FM Clandestine antenna

Yahoo group: ham-antennas (2008)
Date: 2008-11-17 23:53:09 UTC
From: Steve/WM5Z
Topic: 6784 Message: 6804

True, but better than no antenna, right?

It would be great if no one ever had problems putting up an antenna. Some people have to do with less than ideal. I put out this suggestion because of this handicap. If it was me, I would put up a 12" diameter copper pipe, 120 feet long center fed. That should cover all of 80 meters plus a little for the MARS frequencies on either end. Should be a breeze to load up, and should handle all the power I can use, legally. Of coarse, this needs to be at 240 feet HAAT, and rotatable. While we're at it, it should be fed with 3" diameter Andrews coax to minimize losses, both on TX and RX. The coaxial balun might be a little tricky though. I think 3 feet is the minimum radius for that coax.

OK, I admit I am being outlandish.

Scott Laughlin wrote:
> The band width would be very narrow on an antenna made of such thin
> wire.
>
> 72 Scott/n7net/qrp
>
> --- In ham-antennas@yahoogroups.com, "Leonard K. Pennock"
> <leonardpennock@...> wrote:
>
>> I'll have to look into finding some.
>>
>> Steve/WM5Z wrote:
>>
>>> Music wire is very strong, and can be very very thin. Making a
>>>
> dipole
>
>>> from that would be almost totally invisible from a distance, such
>>>
> as
>
>>> curb side overlooking your house.
>>>
>>> Steve/WM5Z
>>>
>>>
>>>
>> --
>> Leonard K. Pennock
>> AD7AS
>>

>> Those who walk bravely through life, unafraid of loss or failure,
>> find that they very rarely lose or fail.
>>
>>
>
>
>
> ----------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 1446 members (as of 9/26/08, and attachments are NOT permitted.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
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6805. Re: [ham-antennas] Re: 6m/10m FM Clandestine antenna

Yahoo group: ham-antennas (2008)
Date: 2008-11-18 00:02:08 UTC
From: Paul
Topic: 6784 Message: 6805

So for a wide band width you would want to use phat wire??? ;-)

Paul
KI6QXV

Scott Laughlin wrote:
>
> The band width would be very narrow on an antenna made of such thin
> wire.
>
> 72 Scott/n7net/qrp
>
> --- In ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>, "Leonard K. Pennock"
> <leonardpennock@...> wrote:
> >
> > I'll have to look into finding some.
> >
> > Steve/WM5Z wrote:
> > > Music wire is very strong, and can be very very thin. Making a
> dipole
> > > from that would be almost totally invisible from a distance, such
> as
> > > curb side overlooking your house.
> > >
> > > Steve/WM5Z
> > >
> > >
> >
> > --
> > Leonard K. Pennock
> > AD7AS
> >
> > Those who walk bravely through life, unafraid of loss or failure,
> > find that they very rarely lose or fail.
> >
>
> .
>
>

[Non-text portions of this message have been removed]

6806. RE: [ham-antennas] 6m/10m FM Clandestine antenna

Yahoo group: ham-antennas (2008)
Date: 2008-11-18 00:11:45 UTC
From: Richard Schmuke
Topic: 6784 Message: 6806

FYI , if you are looking at stainless , thin and strong , try safety wire , it is for aircraft and race cars, used to retain fasteners. You can get it down to .020. it would be very hard to see.

Rich , KDØZZ

Disclaimer: Any errors in spelling or facts are transmission errors.

Subject: Re: [ham-antennas] 6m/10m FM Clandestine antenna

Google Music wire or piano wire. Both will get you the same results.
They do even make it in stainless steel.

Steve/WM5Z

Leonard K. Pennock wrote:
> I'll have to look into finding some.
>

[Non-text portions of this message have been removed]

6807. Re: [ham-antennas] Unsubscribe messages posting ?????

Yahoo group: ham-antennas (2008)
Date: 2008-11-18 00:12:45 UTC
From: Steve/WM5Z
Topic: 6780 Message: 6807

I see. Thanks.

Steve/WM5Z

Mike Check wrote:
> No. To answer your question Steve/WM5Z
> If you send the unsubscribe to the list address ham-antennas@yahoogroups.com
> it will
> automatically go to the group.
>
> To unsubscribe, mail to: ham-antennas-unsubscribe@yahoogroups.com
>
> and I believe then it won't go to the list.
>
>
> You cannot simultaneously prevent and prepare for war.
> Albert Einstein, (attributed)
> -------Original Message-------
>
> From: Steve/WM5Z
> Date: 11/17/2008 1:44:56 PM
> To: ham-antennas@yahoogroups.com
> Subject: Re: [ham-antennas] Unsubscribe messages posting ?????
>
> I think Leonard meant when someone opts out, can the reflector message
> be suppressed.
>
> Steve/WM5Z
>
> Leonard K. Pennock wrote:
>
>> It is a yahoo "feature". I think they have to do it to keep from being
>> classified as illegal spam. The anti spam laws a few years backed
>> required each notice to have a opt out option. I've never seen a option
>> to remove it in the groups I own.
>>
>> vaclav_sal wrote:
>>
>>
>>> To the owner / moderator or to whomever cares.
>>> Can the distribution of "unsubscribe" messages be eliminated?
>>> It is of very little value to the rest of us who enjoy this site.
>>>
>>> 73 Vaclav AA7EJ
>>>

>>>
>>>
>>> ------------------------------------
>>>
>>> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies
>>>
> go to ALL 1446 members (as of 9/26/08, and attachments are NOT permitted.
>
>>> Post message: ham-antennas@yahoogroups.com
>>> Subscribe: ham-antennas-subscribe@yahoogroups.com
>>> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
>>> List owner: ham-antennas-owner@yahoogroups.com
>>> Yahoo! Groups Links
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>
> [Non-text portions of this message have been removed]
>
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> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 1446 members (as of 9/26/08, and attachments are NOT permitted.
> Post message: ham-antennas@yahoogroups.com
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> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
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6808. Re: 6m/10m FM Clandestine antenna

Yahoo group: ham-antennas (2008)
Date: 2008-11-18 00:14:54 UTC
From: Scott Laughlin
Topic: 6784 Message: 6808

Paul,

I wish you had an easier question, because I can't answer that. I just know that the finer the wire the cranky the antenna becomes and the more you have to feel with the tuner. My G5RV is a store bought antenna with probably 14 or 12 gauge wire. It's pretty forgiving, but if I move from say 14.060 to 14.300 I'll find an swr of 2:1. If it were made of arrow shaft material it would probably not need to be adjusted.

I hope that makes sense.

But you have to work with what you have. Years ago I met a fellow who lived in a trailer park. He had a randem wire antenna that was so thin everytime a storm went through he had to replace it. The court owner would have cut his ears off if he'd known about that antenna, but it was so thin only the guy who put it up knew where it was. hi.

72 de Scott/n7net/qrp

--- In ham-antennas@yahoogroups.com, Paul <rfpaul@...> wrote:
>
> So for a wide band width you would want to use phat wire??? ;-)
>
> Paul
> KI6QXV
>
>
> Scott Laughlin wrote:
> >
> > The band width would be very narrow on an antenna made of such
thin
> > wire.
> >
> > 72 Scott/n7net/qrp
> >
> > --- In ham-antennas@yahoogroups.com
> > <mailto:ham-antennas%40yahoogroups.com>, "Leonard K. Pennock"
> > <leonardpennock@> wrote:
> > >
> > > I'll have to look into finding some.
> > >
> > > Steve/WM5Z wrote:
> > > > Music wire is very strong, and can be very very thin. Making a
> > dipole

> > > > from that would be almost totally invisible from a distance,
such
> > as
> > > > curb side overlooking your house.
> > > >
> > > > Steve/WM5Z
> > > >
> > > >
> > >
> > > --
> > > Leonard K. Pennock
> > > AD7AS
> > >
> > > Those who walk bravely through life, unafraid of loss or
failure,
> > > find that they very rarely lose or fail.
> > >
> >
> > .
> >
> >
>
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>
> [Non-text portions of this message have been removed]
>

6809. RE: [ham-antennas] Re: 6m/10m FM Clandestine antenna

Yahoo group: ham-antennas (2008)
Date: 2008-11-18 00:15:44 UTC
From: Richard Schmuke
Topic: 6784 Message: 6809

Yup or several of them, I made a 20m vertical , 8 wire cage, it covers the
20m band within 1:1.3 from PSK range to SSB phone.

Rich , KDØZZ

To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: 6m/10m FM Clandestine antenna

So for a wide band width you would want to use phat wire??? ;-)

Paul
KI6QXV

Scott Laughlin wrote:
>
> The band width would be very narrow on an antenna made of such thin
> wire.
>
> 72 Scott/n7net/qrp
>
> --- In ham-antennas@yahoogroups.com
<mailto:ham-antennas%40yahoogroups.com>
> <mailto:ham-antennas%40yahoogroups.com>, "Leonard K. Pennock"
> <leonardpennock@...> wrote:
> >
> > I'll have to look into finding some.
> >
> > Steve/WM5Z wrote:
> > > Music wire is very strong, and can be very very thin. Making a
> dipole
> > > from that would be almost totally invisible from a distance, such
> as
> > > curb side overlooking your house.
> > >
> > > Steve/WM5Z
> > >
> > >
> >
> > --
> > Leonard K. Pennock
> > AD7AS
> >
> > Those who walk bravely through life, unafraid of loss or failure,
> > find that they very rarely lose or fail.
> >
>

> .
>
>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

6810. Re: 6m/10m FM Clandestine antenna

Yahoo group: ham-antennas (2008)
Date: 2008-11-18 00:24:03 UTC
From: Scott Laughlin
Topic: 6784 Message: 6810

Steve,

What you say is true. I went through Air Force electronic school, worked on the bomber naviagation systems on flightline for a decade and then worked for Delmo Victor on the antenna system for an F-111 ECM system. Don't ask me any hard questions because I'm still flying by the seat of my pants.

72 de Scott/n7net/qrp

--- In ham-antennas@yahoogroups.com, Steve/WM5Z <wm5z@...> wrote:
>
> True, but better than no antenna, right?
>
> It would be great if no one ever had problems putting up an
antenna.
> Some people have to do with less than ideal. I put out this
suggestion
> because of this handicap. If it was me, I would put up a 12"
diameter
> copper pipe, 120 feet long center fed. That should cover all of 80
> meters plus a little for the MARS frequencies on either end. Should
be a
> breeze to load up, and should handle all the power I can use,
legally.
> Of coarse, this needs to be at 240 feet HAAT, and rotatable. While
we're
> at it, it should be fed with 3" diameter Andrews coax to minimize
> losses, both on TX and RX. The coaxial balun might be a little
tricky
> though. I think 3 feet is the minimum radius for that coax.
>
> OK, I admit I am being outlandish.
>
> Scott Laughlin wrote:
> > The band width would be very narrow on an antenna made of such
thin
> > wire.
> >
> > 72 Scott/n7net/qrp
> >
> > --- In ham-antennas@yahoogroups.com, "Leonard K. Pennock"
> > <leonardpennock@> wrote:
> >
> >> I'll have to look into finding some.
> >>

> >> Steve/WM5Z wrote:
> >>
> >>> Music wire is very strong, and can be very very thin. Making a
> >>>
> > dipole
> >
> >>> from that would be almost totally invisible from a distance,
such
> >>>
> > as
> >
> >>> curb side overlooking your house.
> >>>
> >>> Steve/WM5Z
> >>>
> >>>
> >>>
> >> --
> >> Leonard K. Pennock
> >> AD7AS
> >>
> >> Those who walk bravely through life, unafraid of loss or failure,
> >> find that they very rarely lose or fail.
> >>
> >>
> >
> >
> >
> > ------------------------------------
> >
> > HAM ANTENNAS Anything and everything, tell us or ask questions.
Replies go to ALL 1446 members (as of 9/26/08, and attachments are
NOT permitted.
> > Post message: ham-antennas@yahoogroups.com
> > Subscribe: ham-antennas-subscribe@yahoogroups.com
> > Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> > List owner: ham-antennas-owner@yahoogroups.com
> > Yahoo! Groups Links
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>

6811. Re: 6m/10m FM Clandestine antenna

Yahoo group: ham-antennas (2008)
Date: 2008-11-18 00:29:26 UTC
From: Scott Laughlin
Topic: 6784 Message: 6811

Leonard,

Get a sailboat.

Back twenty years ago I used to do CW with a fellow in Long Beach, CA. Antennas were bad news where he lived, but sailboat spars were horse of a different color. He had his shack in the boat. "The antenna cops haven't found this antenna yet," he said.

72 de Scott/n7net/qrp

--- In ham-antennas@yahoogroups.com, "Leonard K. Pennock" <leonardpennock@...> wrote:
>
> I need a Clandestine vertical antenna for the FM portions of the 6M and
> 10M bands. Anyone have a suggestion or better yet plans for such a animal.
>
>
> --
> Leonard K. Pennock
> AD7AS
>
> Those who walk bravely through life, unafraid of loss or failure,
> find that they very rarely lose or fail.
>

6812. Re: [ham-antennas] Re: 6m/10m FM Clandestine antenna

Yahoo group: ham-antennas (2008)
Date: 2008-11-18 00:46:11 UTC
From: Paul V Birke PEng
Topic: 6784 Message: 6812

you could put the piano wire in a triangle say 2" to 6" on the side
that will increase the bandwidth

you would have to find a way to hide the intermediate spacers however

best
Paul

From: Paul <rfpaul@...>
To: ham-antennas@yahoogroups.com
Sent: Monday, November 17, 2008 7:02:08 PM
Subject: Re: [ham-antennas] Re: 6m/10m FM Clandestine antenna

So for a wide band width you would want to use phat wire??? ;-)

Paul
KI6QXV

Scott Laughlin wrote:
>
> The band width would be very narrow on an antenna made of such thin
> wire.
>
> 72 Scott/n7net/ qrp
>
> --- In ham-antennas@ yahoogroups. com
> <mailto:ham- antennas% 40yahoogroups. com>, "Leonard K. Pennock"
> <leonardpennock@ ...> wrote:
> >
> > I'll have to look into finding some.
> >
> > Steve/WM5Z wrote:
> > > Music wire is very strong, and can be very very thin. Making a
> dipole
> > > from that would be almost totally invisible from a distance, such
> as
> > > curb side overlooking your house.
> > >
> > > Steve/WM5Z
> > >
> > >
> >
> > --
> > Leonard K. Pennock
> > AD7AS

> >
> > Those who walk bravely through life, unafraid of loss or failure,
> > find that they very rarely lose or fail.
> >
>
> .
>
>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

6813. Re: Unsubscribe messages posting ?????

Yahoo group: ham-antennas (2008)
Date: 2008-11-18 01:20:29 UTC
From: Chris Boone
Topic: 6780 Message: 6813

AHH yes, Yahoo DOES have email commands.and the one to leave a group is "groupname"-unsubscribe@yahoogroups.com

(you send it as a blank email; rather than putting the command in the subject line or body as Majordomo or other remailer software requires).

Yahoo allows the moderators to set the list to various settings, including moderatoring new members (until changed by the moderator) and other settings..but that is list and moderator/owner dependant. I have some lists that are totally open and some fully moderated and others in between!

Chris

WB5ITT
(Owner/moderator of 2 dozen Yahoogroups lists, including ACC, LMR, Coordinator, 222-225 and other ham radio related)

----------Original Message----------

Unsubscribe messages aren't supposed to be sent to the group list. The bottom of every group email shows a different email address to send those unsub requests to:

But some people ignore those instructions and send them to the group anyway.

(Mr. 'nlukens_1' still hasn't figured it out, I guess; or maybe he thinks it is a 'Majordomo' or some other group which recognizes the "unsubscribe"

command. Yahoogroups have no such command.)

Most Yahoogroups automatically distribute everything to the whole group, without the moderator having to approve each one, so the moderator doesn't get a chance to intervene until it has already been distributed.

Andy

[Non-text portions of this message have been removed]

6814. RE: Re: Unsubscribe messages posting ?????

Yahoo group: ham-antennas (2008)
Date: 2008-11-18 01:27:12 UTC
From: Chris Boone
Topic: 6780 Message: 6814

If you are talking about this :

> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 1446 members (as of 9/26/08, and attachments are NOT permitted.

> Post message: ham-antennas@yahoogroups.com

> Subscribe: ham-antennas-subscribe@yahoogroups.com

> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com

> List owner: ham-antennas-owner@yahoogroups.com

> Yahoo! Groups Links

>

It only happens on messages sent via HTML.Plain text messages do not get it..(this one will since I cut and paste it in HTML but my previous msg will NOT have it as it was plain text)

Chris

WB5ITT

[Non-text portions of this message have been removed]

6815. Re: [ham-antennas] Re: 6m/10m FM Clandestine antenna

Yahoo group: ham-antennas (2008)
Date: 2008-11-18 01:32:53 UTC
From: Charles Hendrick
Topic: 6784 Message: 6815

In a fixed station set up you might consider a "flagpole" anttenna. I have heard that they work well on most hf bands.
Chuck n3xib

--- On Mon, 11/17/08, Scott Laughlin <n7net@...> wrote:

From: Scott Laughlin <n7net@yahoo.com>
Subject: [ham-antennas] Re: 6m/10m FM Clandestine antenna
To: ham-antennas@yahoogroups.com
Date: Monday, November 17, 2008, 7:29 PM

Leonard,

Get a sailboat.

Back twenty years ago I used to do CW with a fellow in Long Beach, CA. Antennas were bad news where he lived, but sailboat spars were horse of a different color. He had his shack in the boat. "The antenna cops haven't found this antenna yet," he said.

72 de Scott/n7net/ qrp

--- In ham-antennas@ yahoogroups. com, "Leonard K. Pennock" <leonardpennock@ ...> wrote:
>
> I need a Clandestine vertical antenna for the FM portions of the 6M and
> 10M bands. Anyone have a suggestion or better yet plans for such a animal.
>
>
> --
> Leonard K. Pennock
> AD7AS
>
> Those who walk bravely through life, unafraid of loss or failure,
> find that they very rarely lose or fail.
>

[Non-text portions of this message have been removed]

6816. Re: [ham-antennas] Re: 6m/10m FM Clandestine antenna

Yahoo group: ham-antennas (2008)
Date: 2008-11-18 01:52:39 UTC
From: Ken Kaelin
Topic: 6784 Message: 6816

Flagpole antenna from zerofive antennas at Penningerradio.com works great!!
Ken N9KCK

--- On Mon, 11/17/08, Charles Hendrick <n3xib1@...> wrote:
From: Charles Hendrick <n3xib1@...>
Subject: Re: [ham-antennas] Re: 6m/10m FM Clandestine antenna
To: ham-antennas@yahoogroups.com
Date: Monday, November 17, 2008, 7:32 PM

In a fixed station set up you might consider a "flagpole" anttenna. I

have heard that they work well on most hf bands.

Chuck n3xib

--- On Mon, 11/17/08, Scott Laughlin <n7net@yahoo. com> wrote:

From: Scott Laughlin <n7net@yahoo. com>

Subject: [ham-antennas] Re: 6m/10m FM Clandestine antenna

To: ham-antennas@ yahoogroups. com

Date: Monday, November 17, 2008, 7:29 PM

Leonard,

Get a sailboat.

Back twenty years ago I used to do CW with a fellow in Long Beach,

CA. Antennas were bad news where he lived, but sailboat spars were

horse of a different color. He had his shack in the boat. "The

antenna cops haven't found this antenna yet," he said.

72 de Scott/n7net/ qrp

--- In ham-antennas@ yahoogroups. com, "Leonard K. Pennock"

<leonardpennock@ ...> wrote:

>

> I need a Clandestine vertical antenna for the FM portions of the 6M

and

> 10M bands. Anyone have a suggestion or better yet plans for such a

animal.

>

>

> --

> Leonard K. Pennock

> AD7AS

>

> Those who walk bravely through life, unafraid of loss or failure,

> find that they very rarely lose or fail.

>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

6817. Re: [ham-antennas] Re: 6m/10m FM Clandestine antenna

Yahoo group: ham-antennas (2008)
Date: 2008-11-18 02:52:32 UTC
From: Steve/WM5Z
Topic: 6784 Message: 6817

Yea, I know you are joking, but the fatter the better, to a point. Do you have one of the antenna simulator programs, like EZNEC? There is an entry for the wire diameter for a reason. As the wire size gets larger, the antenna bandwidth increases. BTW, last I heard, EZNec had a free version for amateur radio use.

Years ago, the antenna builders used to make the antenna look fat by making it a wire cage. They did it because it was wider where they could tune up and operate at. Look in one of the really older antenna books.

I think it was last month on this group that someone had built a vertical for 20 meters using that concept. He was trying to get a really low SWR across the band.

Steve/WM5Z

Paul wrote:
> So for a wide band width you would want to use phat wire??? ;-)
>
> Paul
> KI6QXV
>
>
> Scott Laughlin wrote:
>
>> The band width would be very narrow on an antenna made of such thin
>> wire.
>>
>> 72 Scott/n7net/qrp
>>
>> --- In ham-antennas@yahoogroups.com
>> <mailto:ham-antennas%40yahoogroups.com>, "Leonard K. Pennock"
>> <leonardpennock@...> wrote:
>>
>>> I'll have to look into finding some.
>>>
>>> Steve/WM5Z wrote:
>>>
>>>> Music wire is very strong, and can be very very thin. Making a
>>>>
>> dipole
>>
>>>> from that would be almost totally invisible from a distance, such
>>>>
>> as
>>

>>>> curb side overlooking your house.
>>>>
>>>> Steve/WM5Z
>>>>
>>>>
>>>>
>>> --
>>> Leonard K. Pennock
>>> AD7AS
>>>
>>> Those who walk bravely through life, unafraid of loss or failure,
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>>>
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>
> [Non-text portions of this message have been removed]
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>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 1446 members (as of 9/26/08, and attachments are NOT permitted.
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> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
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> Yahoo! Groups Links
>
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>

6818. Re: [ham-antennas] Re: 6m/10m FM Clandestine antenna

Yahoo group: ham-antennas (2008)
Date: 2008-11-18 03:36:17 UTC
From: Leonard K. Pennock
Topic: 6784 Message: 6818

I have a Alpha Delta DX-CC in my attic to handle my HF. I also have a Ventenna and a Diamond D50 on my roof painted to match the ducts for 2/70. What I'm looking for is a dual band 6M and 10M antenna that is a vertical to use the other two bands on a FT8900. I really don't want a 15' tall antenna and I only want a single antenna. I didn't put my request out very well but what I'm looking for is something less than 6' tall that does both bands without a tuner. So I probably need a trapped vertical section with loaded radials. Anyone got plans for such a critter?

Scott Laughlin wrote:
> Leonard,
>
> Get a sailboat.
>
> Back twenty years ago I used to do CW with a fellow in Long Beach,
> CA. Antennas were bad news where he lived, but sailboat spars were
> horse of a different color. He had his shack in the boat. "The
> antenna cops haven't found this antenna yet," he said.
>
> 72 de Scott/n7net/qrp
>
> --- In ham-antennas@yahoogroups.com, "Leonard K. Pennock"
> <leonardpennock@...> wrote:
>> I need a Clandestine vertical antenna for the FM portions of the 6M
> and
>> 10M bands. Anyone have a suggestion or better yet plans for such a
> animal.
>>
>> --
>> Leonard K. Pennock
>> AD7AS
>>
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>>
>
>
>
> ------------------------------------
>
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> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
--
Leonard K. Pennock
AD7AS

Those who walk bravely through life, unafraid of loss or failure,
find that they very rarely lose or fail.

6819. Re: G5RV Questions

Yahoo group: ham-antennas (2008)
Date: 2008-11-18 03:58:24 UTC
From: n0bn
Topic: 6675 Message: 6819

Thanks for the follow up question, Scott.

The center of the antenna is in the air between the handrail of the tower and a mast on the other end. I also have an extra support rope between the top of the mast and the handrail to give stability to the mast and decrease the tension on the G5RV. I have wondered whether that polypropylene rope detunes the antenna at all ... I disconnect whenever there is rain or lightning so the support rope is usually dry.

I could configure it as an inverted V with the support rope holding up the middle of the G5RV although that would significantly decrease the overall height of the antenna.

I wonder if some others in the group with much more knowledge than I might have any other suggestions or responses to my original post and the other questions I raised. At this point I'm almost at about the point where I was before I asked for advice.

Thanks.

73 de Daniel N0BN

--- In ham-antennas@yahoogroups.com, Charles Hendrick <n3xib1@...>
wrote:
>
> where is the center of the anttena, what is the center attached to?
> If you can try to do an inverted V. That is how I have mine and it
works well.
> Chuck n3xib
>
> --- On Thu, 11/6/08, Scott Laughlin <n7net@...> wrote:
>
> From: Scott Laughlin <n7net@...>
> Subject: [ham-antennas] Re: G5RV Questions
> To: ham-antennas@yahoogroups.com
> Date: Thursday, November 6, 2008, 3:34 PM
>
>
>
>
>
>
> I have a G5RV that goes to 80 and Jr. that goes to 40. I find the
80
> antenna works better on 40. There's more wire and it captures more

> signal.
>
> The AntennasWest G5RV books claims that if you configure the
antenna
> in an inverted U or a Z it will respond better on higher bands. I
> haven't tried that.
>
> 72 de Scott/n7net/ qrp
>
> --- In ham-antennas@ yahoogroups. com, "n0bn" <dghazen@ > wrote:
> >
> > I have a summer job as a fire lookout on a mountaintop above
> > timberline and have been using a G5RV the last 4 years for all
band
> > capability. I'd like some help in either optimally configuring
> this
> > antenna or in deciding on a different one.
> >
> > One end of the antenna is on the tower at about 35 feet and the
> other
> > is on a mast at about 25 feet. The ladderline would reach all
the
> > way to the ground so I have been bending it at more or less 10
feet
> > from the top and 10 feet off the ground: I bend it with a small
> guy
> > line connected to the ground with the antenna end well padded.
> >
> > As far as I can tell the mountaintop doesn't provide a very good
> > earth ground but the mountain slopes down in all directions ...
I
> > have a 50 mile horizon.
> >
> > I frequently get 40-50 mph winds and sometimes gusts as high at
60-
> 80.
> >
> > Several questions.
> > 1) Is there an optimal distance from the antenna or earth to
bend
> the
> > ladder line considering I have to make such a bend?
> > 2) Does it make much of a difference whether the antenna is
> > horizontal to the local earth or horizontal to the horizon even
if
> > the latter means one end of the antenna is closer to the ground,
> > especially considering it is very low to begin with?
> > 3) Is there another reasonable alternative to the G5RV for
> multiband
> > use which includes 80 M? (Maybe I could use a 40 M G5RV and add

an
> > NVIS 80 M dipole?)
> > 4) Considering the current antenna is only 25-35 feet off the
> ground,
> > would an full wave 80 M NVIS provide better local (300-500 mile)
> > coverage? I would not be able to set this up horizontal to the
> > horizon but only to the earth. (I don't want to put up several
> > single band antennas but could put up a full wave 80 M dipole
since
> > that is the most critical band for most of my daily needs.)
> >
> > I would appreciate any advice or suggestions (other than go read
> the
> > ARRL Antenna Book(s) or model it myself)! Thanks!
> >
> > 73 de Daniel N0BN
> >
>
>
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> [Non-text portions of this message have been removed]
>

6820. Re: 6m/10m FM Clandestine antenna

Yahoo group: ham-antennas (2008)
Date: 2008-11-18 04:35:00 UTC
From: Scott Laughlin
Topic: 6784 Message: 6820

Leonard,

This isn't a very good answer, but it's the best I can offer tonight. This may be the best answer I'll ever have.

The frequency difference between 6m and 10m is so great that I don't know of a way to make a dual bander. But you could fabricate two inverted Vs--one for 6 and one for t10 and hang one below the other.

You mentioned an attic, so I'm hoping you have enough rafter run to support 16' and 2" of wire. That length of wire should resonate at the center frequency of 10m. You can change that frequency for which ever side you work--cw or ssb. If you wanted the whole band the length would be that mentioned above. Hang it in your attice with the apex at the ridge line, let it droop enough so you have a 90 degree angle between the two legs to provide the 50 Ohms impendance.

The six meter is only 9 feet total--4.5 each leg. Do the same thing and suspend it on a cord a foot or so below.

Each antenna will need its own coax.

If you want to choose a certain portion of either band as a center frequency divide 468 by that chosen center frequency in mhz and when you get the length subtract an additional 5 percent from the total length.

That should work, but depending on what else is up there you may have to prune or add a half inch at a time. A half inch (1/4 from each side) will make a whale of a difference.

They should both work without a tuner giving you a 1:1 swr at the center frequency but the swr will increase as you tune away from the center. You'll have to decide what you're comfortable with and not go beyond that point.

I hope I've been clear enough on that.

72 de Scott/n7net/qrp

--- In ham-antennas@yahoogroups.com, "Leonard K. Pennock" <leonardpennock@...> wrote:
>
> I have a Alpha Delta DX-CC in my attic to handle my HF. I also have a
> Ventenna and a Diamond D50 on my roof painted to match the ducts for
> 2/70. What I'm looking for is a dual band 6M and 10M antenna that is a

> vertical to use the other two bands on a FT8900. I really don't
want a
> 15' tall antenna and I only want a single antenna. I didn't put my
> request out very well but what I'm looking for is something less
than 6'
> tall that does both bands without a tuner. So I probably need a
trapped
> vertical section with loaded radials. Anyone got plans for such a
> critter?
>
> Scott Laughlin wrote:
> > Leonard,
> >
> > Get a sailboat.
> >
> > Back twenty years ago I used to do CW with a fellow in Long
Beach,
> > CA. Antennas were bad news where he lived, but sailboat spars
were
> > horse of a different color. He had his shack in the boat. "The
> > antenna cops haven't found this antenna yet," he said.
> >
> > 72 de Scott/n7net/qrp
> >
> > --- In ham-antennas@yahoogroups.com, "Leonard K. Pennock"
> > <leonardpennock@> wrote:
> >> I need a Clandestine vertical antenna for the FM portions of the
6M
> > and
> >> 10M bands. Anyone have a suggestion or better yet plans for
such a
> > animal.
> >>
> >> --
> >> Leonard K. Pennock
> >> AD7AS
> >>
> >> Those who walk bravely through life, unafraid of loss or failure,
> >> find that they very rarely lose or fail.
> >>
> >
> >
> >
> > ------------------------------------
> >
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> Leonard K. Pennock
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>

6821. Re: G5RV Questions

Yahoo group: ham-antennas (2008)
Date: 2008-11-18 04:51:20 UTC
From: Scott Laughlin
Topic: 6675 Message: 6821

Daniel,

As long as you use a rope that doesn't soak up water you'll be okay. Your G5RV probably has a balan on it. I think you could stretch it out end-for-end and make a sloper of it.

My QTH is pretty cramped and I wouldn't have hung a G5RV if it hadn't come with me. It starts out on a pole then makes a 30 degree bend and follows along a wooden fence on two sides of a swimming pool. When I was finished hanging it I really thought it was a lost cause. But using a Small Wonder I was able to reach From Texas to North Carolina and Tucson using only 750mw. So it wasn't as bad as it looked. Actually, I'm striving for my 1000 mile per watt certificate. The true answer is that the G5RV gave me 850 watt miles. Sounds like a politician spinning numbers.

72 de Scott/n7net/qrp

--- In ham-antennas@yahoogroups.com, "n0bn" <dghazen@...> wrote:
>
> Thanks for the follow up question, Scott.
>
> The center of the antenna is in the air between the handrail of the
> tower and a mast on the other end. I also have an extra support
> rope between the top of the mast and the handrail to give stability
> to the mast and decrease the tension on the G5RV. I have wondered
> whether that polypropylene rope detunes the antenna at all ... I
> disconnect whenever there is rain or lightning so the support rope
> is usually dry.
>
> I could configure it as an inverted V with the support rope holding
> up the middle of the G5RV although that would significantly
decrease
> the overall height of the antenna.
>
> I wonder if some others in the group with much more knowledge than
I
> might have any other suggestions or responses to my original post
> and the other questions I raised. At this point I'm almost at
about
> the point where I was before I asked for advice.
>
> Thanks.
>
> 73 de Daniel N0BN
>

>
> --- In ham-antennas@yahoogroups.com, Charles Hendrick <n3xib1@>
> wrote:
> >
> > where is the center of the anttena, what is the center attached
to?
> > If you can try to do an inverted V. That is how I have mine and
it
> works well.
> > Chuck n3xib
> >
> > --- On Thu, 11/6/08, Scott Laughlin <n7net@> wrote:
> >
> > From: Scott Laughlin <n7net@>
> > Subject: [ham-antennas] Re: G5RV Questions
> > To: ham-antennas@yahoogroups.com
> > Date: Thursday, November 6, 2008, 3:34 PM
> >
> >
> >
> >
> >
> >
> > I have a G5RV that goes to 80 and Jr. that goes to 40. I find the
> 80
> > antenna works better on 40. There's more wire and it captures
more
> > signal.
> >
> > The AntennasWest G5RV books claims that if you configure the
> antenna
> > in an inverted U or a Z it will respond better on higher bands. I
> > haven't tried that.
> >
> > 72 de Scott/n7net/ qrp
> >
> > --- In ham-antennas@ yahoogroups. com, "n0bn" <dghazen@ > wrote:
> > >
> > > I have a summer job as a fire lookout on a mountaintop above
> > > timberline and have been using a G5RV the last 4 years for all
> band
> > > capability. I'd like some help in either optimally configuring
> > this
> > > antenna or in deciding on a different one.
> > >
> > > One end of the antenna is on the tower at about 35 feet and the
> > other
> > > is on a mast at about 25 feet. The ladderline would reach all
> the
> > > way to the ground so I have been bending it at more or less 10

> feet
> > > from the top and 10 feet off the ground: I bend it with a small
> > guy
> > > line connected to the ground with the antenna end well padded.
> > >
> > > As far as I can tell the mountaintop doesn't provide a very
good
> > > earth ground but the mountain slopes down in all directions ...
> I
> > > have a 50 mile horizon.
> > >
> > > I frequently get 40-50 mph winds and sometimes gusts as high at
> 60-
> > 80.
> > >
> > > Several questions.
> > > 1) Is there an optimal distance from the antenna or earth to
> bend
> > the
> > > ladder line considering I have to make such a bend?
> > > 2) Does it make much of a difference whether the antenna is
> > > horizontal to the local earth or horizontal to the horizon even
> if
> > > the latter means one end of the antenna is closer to the
ground,
> > > especially considering it is very low to begin with?
> > > 3) Is there another reasonable alternative to the G5RV for
> > multiband
> > > use which includes 80 M? (Maybe I could use a 40 M G5RV and add
> an
> > > NVIS 80 M dipole?)
> > > 4) Considering the current antenna is only 25-35 feet off the
> > ground,
> > > would an full wave 80 M NVIS provide better local (300-500
mile)
> > > coverage? I would not be able to set this up horizontal to the
> > > horizon but only to the earth. (I don't want to put up several
> > > single band antennas but could put up a full wave 80 M dipole
> since
> > > that is the most critical band for most of my daily needs.)
> > >
> > > I would appreciate any advice or suggestions (other than go
read
> > the
> > > ARRL Antenna Book(s) or model it myself)! Thanks!
> > >
> > > 73 de Daniel N0BN
> > >
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> > [Non-text portions of this message have been removed]
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>

6822. Mixing 75 Ohm Coax with 50 Ohm Coax

Yahoo group: ham-antennas (2008)
Date: 2008-11-18 11:26:30 UTC
From: johnsobryan
Topic: 6822 Message: 6822

Hi - I am installing a new ham radio setup and want to put up a dipole on 20M for a few months and do it inexpensively until I can get a more permanent antenna (HF vertical with good coax).

But for now, I already have lying around a 50 foot run of RG58 coax (50 ohm) then a 100 foot run of cable tv 75 ohm RG58/U coax. I would need to use both together to achieve 175 feet run of total cable to the center fed homemade dipole.

Can I use both types of coax in one run? Or is that going to be a severe mismatch and result in much signal loss at 20 meters?

My rigs are Kenwood (TS-930s and 830s). Thanks!

6823. Re: [ham-antennas] 6m/10m FM Clandestine antenna

Yahoo group: ham-antennas (2008)
Date: 2008-11-18 11:41:56 UTC
From: Walter A. Breining
Topic: 6784 Message: 6823

The bandwidth difference between very thin wire and wire size of let's say # 12 would hardly be noticeable. Now if we compare # 12 to a cage 3 ft. in diameter, yes the bandwidth would be greater.

Using capacity hats at the ends can increase the electrical phatness of a wire.

If I needed a stealth antenna and I had thin wire that was strong enough to stay up, I would not hesitate a minute.

Vy 73, Walt, N9WB

----- Original Message -----
From: Steve/WM5Z
To: ham-antennas@yahoogroups.com
Sent: Monday, November 17, 2008 15:21
Subject: Re: [ham-antennas] 6m/10m FM Clandestine antenna

Music wire is very strong, and can be very very thin. Making a dipole
from that would be almost totally invisible from a distance, such as
curb side overlooking your house.

Steve/WM5Z

Leonard K. Pennock wrote:
> Thanks. It actually has to go in a attic as I don't have any trees and
> Cholla isn't tall enough to be of any use.
>
> KE7JSL@... wrote:
>
>> Hi,
>>
>> A 5/8 wave 2 meter 1/4 on 6m mobile is pretty small and can be mounted and hidden in a tree. Sorry not sure about 10m
>>
>> John
>> KE7JSL
>>
>>
>>>> I need a Clandestine vertical antenna for the FM portions of the 6M and
>>>>
>> 10M bands.
>> Sent via BlackBerry from T-Mobile
>>
>> ----------
>>
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[Non-text portions of this message have been removed]

6824. Re: [ham-antennas] Mixing 75 Ohm Coax with 50 Ohm Coax

Yahoo group: ham-antennas (2008)
Date: 2008-11-18 13:32:29 UTC
From: Leonard K. Pennock
Topic: 6822 Message: 6824

Use the 75 ohm at the antenna end as that better matches the impedance
of the dipole. Assuming your antenna is resonant at the frequency if
interest you should see about a 1.5:1 SWR which the radios should handle
fine.

johnsobryan wrote:
> Hi - I am installing a new ham radio setup and want to put up a dipole
> on 20M for a few months and do it inexpensively until I can get a more
> permanent antenna (HF vertical with good coax).
>
> But for now, I already have lying around a 50 foot run of RG58 coax (50
> ohm) then a 100 foot run of cable tv 75 ohm RG58/U coax. I would need
> to use both together to achieve 175 feet run of total cable to the
> center fed homemade dipole.
>
> Can I use both types of coax in one run? Or is that going to be a
> severe mismatch and result in much signal loss at 20 meters?
>
> My rigs are Kenwood (TS-930s and 830s). Thanks!
>
>
> ------------------------------------
>
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>
--
Leonard K. Pennock
AD7AS

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find that they very rarely lose or fail.

6825. RE: [ham-antennas] Re: 6m/10m FM Clandestine antenna

Yahoo group: ham-antennas (2008)
Date: 2008-11-18 14:53:08 UTC
From: Richard Schmuke
Topic: 6784 Message: 6825

Good morning Leonard , I have been following this thread and add some of my notes now and then. I think some members have lost track of what you want.

#1 you have HF 10m SSB coverage

#2 you want 10m FM vert

#3 you want 6m FM

#4 both to be under 6□

If this is right my note about the 0,020 dia SS safety wire is not quite what you wanted. You can made a dipole for 6m and 10m FM , all in one , with one coax. It can be like your Alpha Delta DX-CC , several bands on one coax. Just run the center vertical and make the shield side into radials. Do the 10m FM first , the 6M will inter act with the 10 and have to be adjusted for best SWR. I made my own Alpha Delta type with some wire and scrap plastic and had to adjust all but the 80m wire.

You said you want it all shorted than 6□ , you can make loaded vertical or spiral wound 6 fiberglass rod but you would need two , one for 10 and one for 6. The fiberglass rod can be found at any Wal-Mart as a crappie fishing rod , Bass Pro has longer ones for up to 20M use.

Rich , KDØZZ

Disclaimer: Any errors in spelling or facts are transmission errors.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@...m] On Behalf Of Leonard K. Pennock
Sent: Monday, November 17, 2008 9:36 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: 6m/10m FM Clandestine antenna

I have a Alpha Delta DX-CC in my attic to handle my HF. I also have a Ventenna and a Diamond D50 on my roof painted to match the ducts for 2/70. What I'm looking for is a dual band 6M and 10M antenna that is a vertical to use the other two bands on a FT8900. I really don't want a 15' tall antenna and I only want a single antenna. I didn't put my request out very well but what I'm looking for is something less than 6' tall that does both bands without a tuner. So I probably need a trapped vertical section with loaded radials. Anyone got plans for such a critter?

[Non-text portions of this message have been removed]

6826. Re: [ham-antennas] Re: 6m/10m FM Clandestine antenna

Yahoo group: ham-antennas (2008)
Date: 2008-11-18 15:27:07 UTC
From: Leonard K. Pennock
Topic: 6784 Message: 6826

Thanks you have what I was looking for.

So basically you are suggesting a vertical fan dipole with 6M leg and
10M leg then? Then to get the length down use loading coils or spiral
wound?

Richard Schmuke wrote:
> Good morning Leonard , I have been following this thread and add some of my
> notes now and then. I think some members have lost track of what you want.
>
> #1 you have HF 10m SSB coverage
>
> #2 you want 10m FM vert
>
> #3 you want 6m FM
>
> #4 both to be under 6?
>
> If this is right my note about the 0,020 dia SS safety wire is not quite
> what you wanted. You can made a dipole for 6m and 10m FM , all in one , with
> one coax. It can be like your Alpha Delta DX-CC , several bands on one coax.
> Just run the center vertical and make the shield side into radials. Do the
> 10m FM first , the 6M will inter act with the 10 and have to be adjusted for
> best SWR. I made my own Alpha Delta type with some wire and scrap plastic
> and had to adjust all but the 80m wire.
>
> You said you want it all shorted than 6? , you can make loaded vertical or
> spiral wound 6 fiberglass rod but you would need two , one for 10 and one
> for 6. The fiberglass rod can be found at any Wal-Mart as a crappie fishing
> rod , Bass Pro has longer ones for up to 20M use.
>
>
>
> Rich , KD?ZZ
>
> Disclaimer: Any errors in spelling or facts are transmission errors.
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>

> From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On
> Behalf Of Leonard K. Pennock
> Sent: Monday, November 17, 2008 9:36 PM
> To: ham-antennas@yahoogroups.com
> Subject: Re: [ham-antennas] Re: 6m/10m FM Clandestine antenna
>
>
>
> I have a Alpha Delta DX-CC in my attic to handle my HF. I also have a
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> [Non-text portions of this message have been removed]
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>

--
Leonard K. Pennock
AD7AS

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find that they very rarely lose or fail.

6827. RE: [ham-antennas] Re: 6m/10m FM Clandestine antenna

Yahoo group: ham-antennas (2008)
Date: 2008-11-18 16:05:28 UTC
From: Richard Schmuke
Topic: 6784 Message: 6827

Yes that would work , I had a spiral wound vertical back in the stone age when I was a novice on 80M CW ,it was a 10 ft stick of PVC mounted on ground level, where I was I could not put up an antenna so I had a stake in the ground and put the PVC over the stake at night, a wire capacitor hat on top, it was very narrow banded but it let me make contacts. If you need to keep the 10M under 6ft a spiral wind is a possibility. My 40m dipole was two slinkies in the attic because the attic was not big enough. I had no antenna analyzer back then just a transmitter and a SWR meter. That was 30 years ago and I am still building my antennas , have fun.
73, Rich , KDØZZ
Disclaimer: Any errors in spelling or facts are transmission errors.

-----Original Message-----
From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Leonard K. Pennock
Sent: Tuesday, November 18, 2008 9:27 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: 6m/10m FM Clandestine antenna

Thanks you have what I was looking for.

So basically you are suggesting a vertical fan dipole with 6M leg and 10M leg then? Then to get the length down use loading coils or spiral wound?

Richard Schmuke wrote:
> Good morning Leonard , I have been following this thread and add some of my
> notes now and then. I think some members have lost track of what you want.

>
> #1 you have HF 10m SSB coverage
>
> #2 you want 10m FM vert
>
> #3 you want 6m FM
>
> #4 both to be under 6□
>
> If this is right my note about the 0,020 dia SS safety wire is not quite
> what you wanted. You can made a dipole for 6m and 10m FM , all in one , with
> one coax. It can be like your Alpha Delta DX-CC , several bands on one coax.
> Just run the center vertical and make the shield side into radials. Do the

> 10m FM first , the 6M will inter act with the 10 and have to be adjusted
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> best SWR. I made my own Alpha Delta type with some wire and scrap plastic
> and had to adjust all but the 80m wire.
>
> You said you want it all shorted than 6☐ , you can make loaded vertical or
> spiral wound 6 fiberglass rod but you would need two , one for 10 and one
> for 6. The fiberglass rod can be found at any Wal-Mart as a crappie
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> rod , Bass Pro has longer ones for up to 20M use.
>
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>
> Rich , KDØZZ
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> From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
On
> Behalf Of Leonard K. Pennock
> Sent: Monday, November 17, 2008 9:36 PM
> To: ham-antennas@yahoogroups.com
> Subject: Re: [ham-antennas] Re: 6m/10m FM Clandestine antenna
>
>
>
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> vertical section with loaded radials. Anyone got plans for such a
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> [Non-text portions of this message have been removed]
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Leonard K. Pennock
AD7AS

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6828. Re: [ham-antennas] Mixing 75 Ohm Coax with 50 Ohm Coax

Yahoo group: ham-antennas (2008)
Date: 2008-11-18 16:50:29 UTC
From: Steve/WM5Z
Topic: 6822 Message: 6828

I believe there would not be any problem using the two together. I would use the RG-59 coax, the 75 ohm, from the antenna down as far as it will go, then use the RG-58, the 50 ohm, to finish your run. The RG-59 has lower loss, so do any trimming on the RG-58. The SWR bump is really not that bad. It is only a 1.5:1 SWR. You will need to use real connectors for the splice, though, don't splice and tape the joints together. This will cause a nasty problem at the joint.

Steve/WM5Z

johnsobryan wrote:
> Hi - I am installing a new ham radio setup and want to put up a dipole
> on 20M for a few months and do it inexpensively until I can get a more
> permanent antenna (HF vertical with good coax).
>
> But for now, I already have lying around a 50 foot run of RG58 coax (50
> ohm) then a 100 foot run of cable tv 75 ohm RG58/U coax. I would need
> to use both together to achieve 175 feet run of total cable to the
> center fed homemade dipole.
>
> Can I use both types of coax in one run? Or is that going to be a
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>
> My rigs are Kenwood (TS-930s and 830s). Thanks!
>
>
> ---
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6829. Odd-multiple resonance

Yahoo group: ham-antennas (2008)
Date: 2008-11-19 00:16:50 UTC
From: Norm Blitch
Topic: 6829 Message: 6829

I understand the principle of odd-number harmonics giving a dipole several sweet spots. but WHAT happens when:

.consider a three wire center feed dipole with one cut for 60 meters (gives 60, 20, and 12), another cut for 40 meters (nothing gained here except 40), and the last one cut for 30 meters, yielding 10 meters as well as 6.

Do I spy a flaw here? 60 to 10 is even, as is 60 to 6; 20 is half of 40, and so on.

All three wires are connected TOGETHER in classic fashion .

Are the odd-multiples over-ridden by the evens?

73 de Norm

JUST back from Skycraft and AES in Orlando

[Non-text portions of this message have been removed]

6830. RE: [ham-antennas] Odd-multiple resonance

Yahoo group: ham-antennas (2008)
Date: 2008-11-19 00:40:57 UTC
From: Mike Besemer (WM4B)
Topic: 6829 Message: 6830

Norm,

If you use frequency instead of wavelength, you get slightly different results. Remember, wavelengths are approximate, while frequency is exact.

For example, 5.371 MHz * 5 = 26.855 MHz, which is pretty close to 10 meters (and is ODD). Also, 10.1 MHz * 3 = 30.3 MHz, which is also close to 10 meters (and is ODD).

7.1 MHz * 3 = 21.3 MHz, which is exactly 15 meters (and ODD).

As for 40 to 20, you're correct. 7.1 * 2 = 14.2 MHz, which is 20 meters, but the multiple is EVEN and therefore should not work on a center fed dipole.

If you feed a dipole 1/3 of its length from one end, (off-center fed) it will work on even multiples.

Now, with a fan dipole (center fed) you should see a variety of useable resonances.

Good luck es 73,

Mike

WM4B

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Norm Blitch
Sent: Tuesday, November 18, 2008 7:17 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Odd-multiple resonance

I understand the principle of odd-number harmonics giving a dipole several sweet spots. but WHAT happens when:

.consider a three wire center feed dipole with one cut for 60 meters (gives 60, 20, and 12), another cut for 40 meters (nothing gained here except 40), and the last one cut for 30 meters, yielding 10 meters as well as 6.

Do I spy a flaw here? 60 to 10 is even, as is 60 to 6; 20 is half of 40, and so on.

All three wires are connected TOGETHER in classic fashion .

Are the odd-multiples over-ridden by the evens?

73 de Norm

JUST back from Skycraft and AES in Orlando

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

6831. Re: [ham-antennas] Odd-multiple resonance

Yahoo group: ham-antennas (2008)
Date: 2008-11-19 01:43:49 UTC
From: Steve/WM5Z
Topic: 6829 Message: 6831

Hey, Norm, (flashback to TV show Cheers) ;-)

I don't understand your math.
5.35 X 3 = 16.3
5.35 X 5 = 37.45
7.10 X 3 = 21.3, Gaining 15 meters
10.125 X 3 = 30.375
10.125 X 5 = 50. Good for 6 meters. Where is 20 and 12 coming from?

Are you sweeping an antenna you have up? Are you modeling this on software?

Steve/WM5Z

Norm Blitch wrote:
> I understand the principle of odd-number harmonics giving a dipole several
> sweet spots. but WHAT happens when:
>
>
>
> .consider a three wire center feed dipole with one cut for 60 meters (gives
> 60, 20, and 12), another cut for 40 meters (nothing gained here except 40),
> and the last one cut for 30 meters, yielding 10 meters as well as 6.
>
>
>
> Do I spy a flaw here? 60 to 10 is even, as is 60 to 6; 20 is half of 40,
> and so on.
>
>
>
> All three wires are connected TOGETHER in classic fashion .
>
>
>
> Are the odd-multiples over-ridden by the evens?
>
>
>
> 73 de Norm
>
> JUST back from Skycraft and AES in Orlando
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> [Non-text portions of this message have been removed]
>

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> ---
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6832. Re: [ham-antennas] 6m/10m FM Clandestine antenna

Yahoo group: ham-antennas (2008)
Date: 2008-11-19 04:20:55 UTC
From: Jim Coon
Topic: 6784 Message: 6832

Here are some places to get bulk music wire

http://www.harpkit.com/Merchant2/merchant.mvc?Screen=CTGY&Category_Code=bulk

http://www.fortepiano.com/wire.htm

Richard Schmuke wrote:
>
> FYI , if you are looking at stainless , thin and strong , try safety
> wire ,
> it is for aircraft and race cars, used to retain fasteners. You can get it
> down to .020. it would be very hard to see.
>
> Rich , KD?ZZ
>
> Disclaimer: Any errors in spelling or facts are transmission errors.
>
> Subject: Re: [ham-antennas] 6m/10m FM Clandestine antenna
>
> Google Music wire or piano wire. Both will get you the same results.
> They do even make it in stainless steel.
>
> Steve/WM5Z
>
> Leonard K. Pennock wrote:
> > I'll have to look into finding some.
> >
>
> [Non-text portions of this message have been removed]
>
>

6833. 11m 1/2 wave antenna mod

Yahoo group: ham-antennas (2008)
Date: 2008-11-19 05:52:12 UTC
From: Doug
Topic: 6833 Message: 6833

Hello Group,

I have an old Radio Shack 11m 1/2 wave base antenna from the '70's. Is there any type of mod that can be performed on it so that it can work 80m, 40m, or 20m?

Cheers!
Doug...
VE3GHQ/VA30005SWL

6834. AW: [ham-antennas] 11m 1/2 wave antenna mod

Yahoo group: ham-antennas (2008)
Date: 2008-11-19 10:20:58 UTC
From: Siegfried Jackstien
Topic: 6833 Message: 6834

dear dough
at the base of the antenna is a stepup transformer or something
just kill it out and connect your coax-connector direct to the foot-point
ad some radials and you have a nice quarterwave for 20m
73´s de dg9bfc / sigi
-----Ursprüngliche Nachricht-----
Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]Im
Auftrag von Doug
Gesendet: Mittwoch, 19. November 2008 06:52
An: ham-antennas@yahoogroups.com
Betreff: [ham-antennas] 11m 1/2 wave antenna mod

Hello Group,

I have an old Radio Shack 11m 1/2 wave base antenna from the '70's. Is
there any type of mod that can be performed on it so that it can work
80m, 40m, or 20m?

Cheers!
Doug...
VE3GHQ/VA30005SWL

[Non-text portions of this message have been removed]

6835. Re: [ham-antennas] 11m 1/2 wave antenna mod

Yahoo group: ham-antennas (2008)
Date: 2008-11-19 10:48:46 UTC
From: Mike Check
Topic: 6833 Message: 6835

Whoa!!!!!!!! What was the power rating on those things?

On Wed, Nov 19, 2008 at 4:20 AM, Siegfried Jackstien <
siegfried.jackstien@...> wrote:

> dear dough
> at the base of the antenna is a stepup transformer or something
> just kill it out and connect your coax-connector direct to the foot-point
> ad some radials and you have a nice quarterwave for 20m
> 73´s de dg9bfc / sigi
> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com <ham-antennas%40yahoogroups.com>[mailto:
> ham-antennas@yahoogroups.com <ham-antennas%40yahoogroups.com>]Im
> Auftrag von Doug
> Gesendet: Mittwoch, 19. November 2008 06:52
> An: ham-antennas@yahoogroups.com <ham-antennas%40yahoogroups.com>
> Betreff: [ham-antennas] 11m 1/2 wave antenna mod
>
>
> Hello Group,
>
> I have an old Radio Shack 11m 1/2 wave base antenna from the '70's. Is
> there any type of mod that can be performed on it so that it can work
> 80m, 40m, or 20m?
>
> Cheers!
> Doug...
> VE3GHQ/VA30005SWL
>
> [Non-text portions of this message have been removed]
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[Non-text portions of this message have been removed]

6836. AW: [ham-antennas] 11m 1/2 wave antenna mod

Yahoo group: ham-antennas (2008)
Date: 2008-11-19 11:09:19 UTC
From: Siegfried Jackstien
Topic: 6833 Message: 6836

dear mike
don´t know the power rating of this kind of antenna
it depends on how the transformes is built
sometimes it is very big like in the "city-star" or the "ringo-ranger" and
can easy handle legal limit
sometimes there in a very little transformer in the base that burns up with
less than 500w
but when you cut all that out and connect your feedingline direct to the
antenna and ad some radial
it will handle a gallon HI HI
73´s de dg9bfc
-----Ursprüngliche Nachricht-----
Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]Im
Auftrag von Mike Check
Gesendet: Mittwoch, 19. November 2008 11:49
An: ham-antennas@yahoogroups.com
Betreff: Re: [ham-antennas] 11m 1/2 wave antenna mod

Whoa!!!!!!!! What was the power rating on those things?

On Wed, Nov 19, 2008 at 4:20 AM, Siegfried Jackstien <
siegfried.jackstien@...> wrote:

> dear dough
> at the base of the antenna is a stepup transformer or something
> just kill it out and connect your coax-connector direct to the
foot-point
> ad some radials and you have a nice quarterwave for 20m
> 73´s de dg9bfc / sigi
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> Von: ham-antennas@yahoogroups.com
<ham-antennas%40yahoogroups.com>[mailto:
> ham-antennas@yahoogroups.com <ham-antennas%40yahoogroups.com>]Im
> Auftrag von Doug
> Gesendet: Mittwoch, 19. November 2008 06:52
> An: ham-antennas@yahoogroups.com <ham-antennas%40yahoogroups.com>
> Betreff: [ham-antennas] 11m 1/2 wave antenna mod
>
>
> Hello Group,
>
> I have an old Radio Shack 11m 1/2 wave base antenna from the '70's. Is
> there any type of mod that can be performed on it so that it can work
> 80m, 40m, or 20m?
>
> Cheers!

> Doug...
> VE3GHQ/VA30005SWL
>
> [Non-text portions of this message have been removed]
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[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

6837. Re: [ham-antennas] 11m 1/2 wave antenna mod

Yahoo group: ham-antennas (2008)
Date: 2008-11-19 12:20:53 UTC
From: KE7JSL@tmo.blackberry.net
Topic: 6833 Message: 6837

>>Whoa!!!!!!!! What was the power rating on those things?

Depends on the 11M antenna. They range from just a few watts to over 2000W and more. Yes thats correct. Even though in the United States 11M is limited to just 5W. As to the original question you could make a base loading coil to add to each of the bands or just use a very good tuner. Personally 3 hamsticks (around $60) is much easier.

John
KE7JSL
Sent via BlackBerry from T-Mobile

6838. RE: [ham-antennas] Odd-multiple resonance

Yahoo group: ham-antennas (2008)
Date: 2008-11-19 14:01:01 UTC
From: Callum M0MCX
Topic: 6829 Message: 6838

>>>5.35 X 5 = 37.45

Er..? Nope. The original maths was good.

If you happen to have a 40m dipole cut exactly for a third of 21 Mhz and also a 15m matched dipole, you will just get a slightly different interesting far field pattern than if you had either one or the other.

You can easily model this with MMANA for instance. I just did. It took 20 seconds.

Cheers,

Callum McCormick

http://www.m0mcx.co.uk/

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Steve/WM5Z
Sent: 19 November 2008 01:44
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Odd-multiple resonance

Hey, Norm, (flashback to TV show Cheers) ;-)

I don't understand your math.
5.35 X 3 = 16.3
5.35 X 5 = 37.45
7.10 X 3 = 21.3, Gaining 15 meters
10.125 X 3 = 30.375
10.125 X 5 = 50. Good for 6 meters. Where is 20 and 12 coming from?

Are you sweeping an antenna you have up? Are you modeling this on software?

Steve/WM5Z

Norm Blitch wrote:
> I understand the principle of odd-number harmonics giving a dipole several
> sweet spots. but WHAT happens when:
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> .consider a three wire center feed dipole with one cut for 60 meters
(gives
> 60, 20, and 12), another cut for 40 meters (nothing gained here except
40),
> and the last one cut for 30 meters, yielding 10 meters as well as 6.
>

>
>
> Do I spy a flaw here? 60 to 10 is even, as is 60 to 6; 20 is half of 40,
> and so on.
>
>
>
> All three wires are connected TOGETHER in classic fashion .
>
>
>
> Are the odd-multiples over-ridden by the evens?
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>
> 73 de Norm
>
> JUST back from Skycraft and AES in Orlando
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>
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[Non-text portions of this message have been removed]

6839. Re: [ham-antennas] 11m 1/2 wave antenna mod

Yahoo group: ham-antennas (2008)
Date: 2008-11-19 14:17:11 UTC
From: N0ATH
Topic: 6833 Message: 6839

If the coil at the base is removed as suggested and the antenna is of aluminum construction, the power handling would be well over legal limit - N?ATH

----- Original Message -----
From: "Mike Check" <k5ucq@...>
To: <ham-antennas@yahoogroups.com>
Sent: Wednesday, November 19, 2008 4:48 AM
Subject: Re: [ham-antennas] 11m 1/2 wave antenna mod

Whoa!!!!!!!! What was the power rating on those things?

On Wed, Nov 19, 2008 at 4:20 AM, Siegfried Jackstien <
siegfried.jackstien@...> wrote:

> dear dough
> at the base of the antenna is a stepup transformer or something
> just kill it out and connect your coax-connector direct to the foot-point
> ad some radials and you have a nice quarterwave for 20m
> 73?s de dg9bfc / sigi
> -----Urspr?ngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com <ham-antennas%40yahoogroups.com>[mailto:
> ham-antennas@yahoogroups.com <ham-antennas%40yahoogroups.com>]Im
> Auftrag von Doug
> Gesendet: Mittwoch, 19. November 2008 06:52
> An: ham-antennas@yahoogroups.com <ham-antennas%40yahoogroups.com>
> Betreff: [ham-antennas] 11m 1/2 wave antenna mod
>
>
> Hello Group,
>
> I have an old Radio Shack 11m 1/2 wave base antenna from the '70's. Is
> there any type of mod that can be performed on it so that it can work
> 80m, 40m, or 20m?
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> Cheers!
> Doug...
> VE3GHQ/VA30005SWL
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List owner: ham-antennas-owner@yahoogroups.com
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Scanned for critters
Checked by AVG - http://www.avg.com
Version: 8.0.175 / Virus Database: 270.9.7/1798 - Release Date: 11/18/2008 8:59 PM

No virus - N?ATH
Checked by AVG - http://www.avg.com
Version: 8.0.175 / Virus Database: 270.9.7/1798 - Release Date: 11/18/2008 8:59 PM

[Non-text portions of this message have been removed]

6840. Re: [ham-antennas] 11m 1/2 wave antenna mod

Yahoo group: ham-antennas (2008)
Date: 2008-11-19 14:24:56 UTC
From: Steve/WM5Z
Topic: 6833 Message: 6840

Is it one of those 20 some foot long antenna? I think they were touted as being 5/8 wavelength. Those have a coil in the base that you will need to remove. Then you will need to make a loading coil and feed it. It can be done. It should work pretty well, especially if you can mount it on a decent radial system. You could even use a variable inductor, motorize it, and make it work anywhere from 3.5-10.15Mhz remotely.

If it is a 1/4 wave, it would also work, but it would need a bigger inductor, and would work about as efficiently as a mobile antenna.

Steve/WM5Z

Doug wrote:
> Hello Group,
>
> I have an old Radio Shack 11m 1/2 wave base antenna from the '70's. Is
> there any type of mod that can be performed on it so that it can work
> 80m, 40m, or 20m?
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> Cheers!
> Doug...
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>

6841. AW: [ham-antennas] 11m 1/2 wave antenna mod

Yahoo group: ham-antennas (2008)
Date: 2008-11-19 14:45:37 UTC
From: Siegfried Jackstien
Topic: 6833 Message: 6841

dear steve
dough wrote it is a 1/2 wave for cb band so it is 15-16feet not 20feet so it is exactly a quarterwave for 20m
i did this on my own and with e few elevated radials it works superb
73´s de dg9bfrc
-----Ursprüngliche Nachricht-----
Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]Im Auftrag von Steve/WM5Z
Gesendet: Mittwoch, 19. November 2008 15:25
An: ham-antennas@yahoogroups.com
Betreff: Re: [ham-antennas] 11m 1/2 wave antenna mod

Is it one of those 20 some foot long antenna? I think they were touted as being 5/8 wavelength. Those have a coil in the base that you will need to remove. Then you will need to make a loading coil and feed it. It can be done. It should work pretty well, especially if you can mount it on a decent radial system. You could even use a variable inductor, motorize it, and make it work anywhere from 3.5-10.15Mhz remotely.

If it is a 1/4 wave, it would also work, but it would need a bigger inductor, and would work about as efficiently as a mobile antenna.

Steve/WM5Z

Doug wrote:
> Hello Group,
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> I have an old Radio Shack 11m 1/2 wave base antenna from the '70's. Is
> there any type of mod that can be performed on it so that it can work
> 80m, 40m, or 20m?
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> Doug...
> VE3GHQ/VA30005SWL
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[Non-text portions of this message have been removed]

6842. Re: [ham-antennas] 11m 1/2 wave antenna mod

Yahoo group: ham-antennas (2008)
Date: 2008-11-19 15:25:30 UTC
From: Steve/WM5Z
Topic: 6833 Message: 6842

The power limitation was for the coil in the base. It was made on a PC board. Those would handle at least 100 watts, but he would be removing that.

Steve/WM5Z

Mike Check wrote:
> Whoa!!!!!!!!! What was the power rating on those things?
>
> On Wed, Nov 19, 2008 at 4:20 AM, Siegfried Jackstien <
> siegfried.jackstien@...> wrote:
>
>
>> dear dough
>> at the base of the antenna is a stepup transformer or something
>> just kill it out and connect your coax-connector direct to the foot-point
>> ad some radials and you have a nice quarterwave for 20m
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>> -----Urspr?ngliche Nachricht-----
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>> ham-antennas@yahoogroups.com <ham-antennas%40yahoogroups.com>]Im
>> Auftrag von Doug
>> Gesendet: Mittwoch, 19. November 2008 06:52
>> An: ham-antennas@yahoogroups.com <ham-antennas%40yahoogroups.com>
>> Betreff: [ham-antennas] 11m 1/2 wave antenna mod
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>>
>> Hello Group,
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>> I have an old Radio Shack 11m 1/2 wave base antenna from the '70's. Is
>> there any type of mod that can be performed on it so that it can work
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>> Cheers!
>> Doug...
>> VE3GHQ/VA30005SWL
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>> [Non-text portions of this message have been removed]
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6843. Re: AW: [ham-antennas] 11m 1/2 wave antenna mod

Yahoo group: ham-antennas (2008)
Date: 2008-11-19 15:49:27 UTC
From: Steve/WM5Z
Topic: 6833 Message: 6843

Oh yea, he did. Missed that. :-[

Anyway, even at 15-16 foot long, a remote tuned L should really work
cool! I'd be envious. :-)

Steve/WM5Z

Siegfried Jackstien wrote:
> dear steve
> dough wrote it is a 1/2 wave for cb band so it is 15-16feet not 20feet so it
> is exactly a quarterwave for 20m
> i did this on my own and with e few elevated radials it works superb
> 73?s de dg9bfrc
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> Auftrag von Steve/WM5Z
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> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] 11m 1/2 wave antenna mod
>
>
> Is it one of those 20 some foot long antenna? I think they were touted
> as being 5/8 wavelength. Those have a coil in the base that you will
> need to remove. Then you will need to make a loading coil and feed it.
> It can be done. It should work pretty well, especially if you can mount
> it on a decent radial system. You could even use a variable inductor,
> motorize it, and make it work anywhere from 3.5-10.15Mhz remotely.
>
> If it is a 1/4 wave, it would also work, but it would need a bigger
> inductor, and would work about as efficiently as a mobile antenna.
>
> Steve/WM5Z
>
> Doug wrote:
> > Hello Group,
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> > there any type of mod that can be performed on it so that it can work
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6844. Re: AW: [ham-antennas] 11m 1/2 wave antenna mod

Yahoo group: ham-antennas (2008)
Date: 2008-11-19 17:55:20 UTC
From: Doug Chlan
Topic: 6833 Message: 6844

Hello all and thanks for the tremendous response. The antenna in question was bought in 1975 and is a cb 1/2 wave base station antenna. If memory serves it is 18 feet tall with 3 four foot radials and end fed. Are the radials of sufficient length and number? Thanks for all your help.

Cheers!
Doug...
VE3GHQ/VA30005SWL

Ask a question on any topic and get answers from real people. Go to Yahoo! Answers and share what you know at http://ca.answers.yahoo.com

[Non-text portions of this message have been removed]

6845. AW: AW: [ham-antennas] 11m 1/2 wave antenna mod

Yahoo group: ham-antennas (2008)
Date: 2008-11-19 18:59:52 UTC
From: Siegfried Jackstien
Topic: 6833 Message: 6845

18 feet and 3 four foot radials??? looks like a 5/8 gpa
but it is the same ... cut out the wire transformer or coil
feed it direct and ad some resonant radials
and cut the antenna for quarterwave on 20m
maybe is will work with letting the last extension away
don´t know the exact lenght of your antenna BUT it can be rebuilt for 20
like i explained before
73´s
sigi
-----Ursprüngliche Nachricht-----
Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]Im
Auftrag von Doug Chlan
Gesendet: Mittwoch, 19. November 2008 18:55
An: ham-antennas@yahoogroups.com
Betreff: Re: AW: [ham-antennas] 11m 1/2 wave antenna mod

Hello all and thanks for the tremendous response. The antenna in question
was bought in 1975 and is a cb 1/2 wave base station antenna. If memory
serves it is 18 feet tall with 3 four foot radials and end fed. Are the
radials of sufficient length and number? Thanks for all your help.

Cheers!
Doug...
VE3GHQ/VA30005SWL

_____
Ask a question on any topic and get answers from real people. Go to Yahoo!
Answers and share what you know at http://ca.answers.yahoo.com

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

6846. Arecibo Observatory

Yahoo group: ham-antennas (2008)
Date: 2008-11-19 19:16:03 UTC
From: Israel
Topic: 6846 Message: 6846

Hello to you all
would like to make an invitation for a special event that will be held at
>The Radio Telescope in Arecibo, Puerto Rico commemorating the 45
> years of operations of the biggest radio telescope in the world. We,
the hams,
> who work their will organize with the ham community, and will
> transmit on Hf and digital modes; we will be live on the webcam
http://aocam1. naic.edu
> also. This will take place on November 23, 2008 from 13:00 to
> 20: OO UTC. Hope to here from you on HF 73`s KP4LCL
Please Fwr .....Call Sign to be used (KP4AO) and Frequency is 14.250
mhz.

6847. BIG NOISE FLOOR !!!

Yahoo group: ham-antennas (2008)
Date: 2008-11-19 20:16:33 UTC
From: de K6KAW
Topic: 6847 Message: 6847

Greeting to all on the groups....

Just got my HF station on the air. ***** WOOOO HOOO ****

OK nufff said. Been scanning the bands par to what that my antenna covers.
Worked HI., CO.,VE6, Have not had much time to play. OK here is the story.

I have a constant noise floor of S7 to S9 most of the time. Is this normal??

OHHHH!! Here is the station info.

Apartment in CM87xx,
Second floor,
Yeasu FT-857D,
Antenna is an Alpha Delta DX-EE covering 10, 15, 20, and 40. Antenna is on
the roof, 25' in an inverted V format. Legs of the DiPole run W - E. Antenna
is mounted to the support upright for the rail for the walkway. Match
is OK on all bands but 40. I understand with this antenna 40 can be a
challange.

Grounding is an issue.... Main panel box is across the room over 20'
away. Grounded
3 prong plug is right here & used.

What does everybody think ????

I would love to get on and work. I think my ears are plugged :-)

73 K6KAW
Ken W.

A freind of " Bill W. "

[Non-text portions of this message have been removed]

6848. Re: [ham-antennas] BIG NOISE FLOOR !!!

Yahoo group: ham-antennas (2008)
Date: 2008-11-19 20:41:41 UTC
From: jeff
Topic: 6847 Message: 6848

watch out for electrical noise too. I finally traced some hideous noise down to a cheap power supply in a computer.

6849. Re: [ham-antennas] BIG NOISE FLOOR !!!

Yahoo group: ham-antennas (2008)
Date: 2008-11-19 20:59:40 UTC
From: de K6KAW
Topic: 6847 Message: 6849

Thanx Jeff....

I will start shutting things down one by one and see...

"This is my simple religion. There is no need for temples; no need for complicated philosophy. Our own brain, our own heart is our temple; the philosophy is kindness."
~ The Dalai Lama

73 Ken Wise
K6KAW

-------Original Message-------

From: jeff
Date: 11/19/2008 12:41:52 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] BIG NOISE FLOOR !!!

watch out for electrical noise too. I finally traced some hideous noise down to a cheap power supply in a computer.

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 1446 members (as of 9/26/08, and attachments are NOT permitted.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

[Non-text portions of this message have been removed]

6850. Re: AW: [ham-antennas] 11m 1/2 wave antenna mod

Yahoo group: ham-antennas (2008)
Date: 2008-11-19 23:14:19 UTC
From: Steve/WM5Z
Topic: 6833 Message: 6850

No, but adding some resonant ones for whatever band/s you want to use
isn't hard.

Steve/WM5Z

Doug Chlan wrote:
> Hello all and thanks for the tremendous response. The antenna in question was bought in 1975 and is a cb 1/2 wave base station antenna. If memory serves it is 18 feet tall with 3 four foot radials and end fed. Are the radials of sufficient length and number? Thanks for all your help.
>
> Cheers!
> Doug...
> VE3GHQ/VA30005SWL
>
>
> _____
> Ask a question on any topic and get answers from real people. Go to Yahoo! Answers and share what you know at http://ca.answers.yahoo.com
>
> [Non-text portions of this message have been removed]
>
>
> ----------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 1446 members (as of 9/26/08, and attachments are NOT permitted.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
>
>

6851. RE: [ham-antennas] BIG NOISE FLOOR !!!

Yahoo group: ham-antennas (2008)
Date: 2008-11-19 23:27:17 UTC
From: MIKE DURKIN
Topic: 6847 Message: 6851

Turn off the computer. .. or alteast the monitor .... thats my starting place.

To: amateur_radio@yahoogroups.com; ham-antennas@yahoogroups.com; HamRadioHelpGroup@yahoogroups.com
From: ken.k6kaw@...
Date: Wed, 19 Nov 2008 12:16:33 -0800
Subject: [ham-antennas] BIG NOISE FLOOR !!!

Greeting to all on the groups....

Just got my HF station on the air. ***** WOOOO HOOO ****

OK nufff said. Been scanning the bands par to what that my antenna covers.

Worked HI., CO.,VE6, Have not had much time to play. OK here is the story.

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OHHHH!! Here is the station info.

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Second floor,

Yeasu FT-857D,

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is mounted to the support upright for the rail for the walkway. Match

is OK on all bands but 40. I understand with this antenna 40 can be a

challange.

Grounding is an issue.... Main panel box is across the room over 20'

away. Grounded

3 prong plug is right here & used.

What does everybody think ????

I would love to get on and work. I think my ears are plugged :-)

73 K6KAW

Ken W.

A freind of " Bill W. "

[Non-text portions of this message have been removed]

_____
Access your email online and on the go with Windows Live Hotmail.
http://windowslive.com/Explore/Hotmail?ocid=TXT_TAGLM_WL_hotmail_acq_access_112008

[Non-text portions of this message have been removed]

6852. RE: [ham-antennas] 11m 1/2 wave antenna mod

Yahoo group: ham-antennas (2008)
Date: 2008-11-19 23:28:50 UTC
From: MIKE DURKIN
Topic: 6833 Message: 6852

Iv always wondered about using a screwdriver antenna at the bottom ....

KC7NOA

To: ham-antennas@yahoogroups.com
From: dxreddog@...
Date: Wed, 19 Nov 2008 05:52:12 +0000
Subject: [ham-antennas] 11m 1/2 wave antenna mod

Hello Group,

I have an old Radio Shack 11m 1/2 wave base antenna from the '70's. Is

there any type of mod that can be performed on it so that it can work

80m, 40m, or 20m?

Cheers!

Doug...

VE3GHQ/VA30005SWL

Proud to be a PC? Show the world. Download the ?I?m a PC? Messenger themepack now.
hthttp://clk.atdmt.com/MRT/go/119642558/direct/01/

[Non-text portions of this message have been removed]

6853. Re: Placement of dipole

Yahoo group: ham-antennas (2008)
Date: 2008-11-20 00:55:13 UTC
From: Richard Fredrick
Topic: 6774 Message: 6853

Hi John,

I can't remember the source, but someone did a comparison of the effect that various types of trees had on HF emissions. As I recall a deciduous tree was less likely to affect the signal than a conifer. General rule of thumb is to stay clear of metal objects such as rain gutters. And if you're putting up an inverted V, make sure that the ends are high enough so that people won't come to harm if they get too close.

I'm just in the planning stages for my HF station and I'm reading everything I can get my hands on about grounding and other considerations. Now that the leaves have fallen from the trees I'm trying to figure out the geometry for a dipole that will be strung between a tree in the front yard and one or two trees in the backyard, while keeping clear of the electrical supply coming into the house.

And I've got a really nice addition to my plans: metal siding! I'll be running coax under ground to the window line that actually goes up to the antenna.

73
Richard Fredrick
W0KLE

--- In ham-antennas@yahoogroups.com, KE7JSL@... wrote:
>
> Question: does the placement of the dipole matter? What I mean is should it always go on top of an object or is infront ok? What about going through a large plant? I could see if it was metal that would be an issue but any other considerations? I know experiment but just asking for suggestions. Thanks.
>
> John
> KE7JSL
> Sent via BlackBerry from T-Mobile
>

6854. Clandestine antenna Wire

Yahoo group: ham-antennas (2008)
Date: 2008-11-20 00:59:29 UTC
From: amschler_clan
Topic: 6854 Message: 6854

As I was reading this thread I remembered when I used to fly I had to check the safety wires as part of our preflight inspection on our taildrager which were made of stainless steel wire and then remembered also the brass safety wire as well. Well here is a great link for spools (only 25 foot though) or one pound boxes.

http://www.aircraftspruce.com/catalog/appages/safetywire.php

They also have the nice tools for making nice clean twisted connections fairly cheaply. They have all kinds of cool things for aircraft that can be used by those of us who are hams.

Paul
ke7wtk

6855. RE: [ham-antennas] Clandestine antenna Wire

Yahoo group: ham-antennas (2008)
Date: 2008-11-20 01:59:33 UTC
From: Richard Schmuke
Topic: 6854 Message: 6855

Thanks for the link Paul , I also worked around aircraft and brought up the safety last night , but I got to thinking and the safety wire is strong and flexible, , ok for a dipole that would be too thin to see, but for a vertical you might want to look at music wire. It is not as flexible and has a good spring rate. The original request was to have it under 6 ft , he could use a piece of music wire from a hobby shop and solder it to the center of a lower section of rod to get the required height and not be seen. Ref the picture of the splice of SS rod in the picture section where I put a 1/16 rod in a 1/8 SS rod. 1/16 or less is hard to see at a distance. Just drill the lower section and use a good flux and clean it up when done.

Rich , KDØZZ

Disclaimer: Any errors in spelling or facts are transmission errors.

Subject: [ham-antennas] Clandestine antenna Wire

As I was reading this thread I remembered when I used to fly I had to check the safety wires as part of our preflight inspection on our taildrager which were made of stainless steel wire and then remembered also the brass safety wire as well. Well here is a great link for spools (only 25 foot though) or one pound boxes.

http://www.aircraftspruce.com/catalog/appages/safetywire.php

They also have the nice tools for making nice clean twisted connections fairly cheaply. They have all kinds of cool things for aircraft that can be used by those of us who are hams.

Paul
ke7wtk

[Non-text portions of this message have been removed]

6856. Re: Clandestine antenna Wire

Yahoo group: ham-antennas (2008)
Date: 2008-11-20 02:44:37 UTC
From: Scott Laughlin
Topic: 6854 Message: 6856

I haven't seen anyone mention the EH antenna.

de Scott/n7net

--- In ham-antennas@yahoogroups.com, "Richard Schmuke" <rdj@...>
wrote:
>
> Thanks for the link Paul , I also worked around aircraft and
brought up the
> safety last night , but I got to thinking and the safety wire is
strong and
> flexible, , ok for a dipole that would be too thin to see, but for a
> vertical you might want to look at music wire. It is not as
flexible and has
> a good spring rate. The original request was to have it under 6
ft , he
> could use a piece of music wire from a hobby shop and solder it to
the
> center of a lower section of rod to get the required height and not
be seen.
> Ref the picture of the splice of SS rod in the picture section
where I put a
> 1/16 rod in a 1/8 SS rod. 1/16 or less is hard to see at a
distance. Just
> drill the lower section and use a good flux and clean it up when
done.
>
>
>
> Rich , KDØZZ
>
> Disclaimer: Any errors in spelling or facts are transmission errors.
>
>
>
> Subject: [ham-antennas] Clandestine antenna Wire
>
>
>
> As I was reading this thread I remembered when I used to fly I had
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> check the safety wires as part of our preflight inspection on our
> taildrager which were made of stainless steel wire and then
remembered
> also the brass safety wire as well. Well here is a great link for

> spools (only 25 foot though) or one pound boxes.
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> http://www.aircraftspruce.com/catalog/appages/safetywire.php
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> aircraft that can be used by those of us who are hams.
>
> Paul
> ke7wtk
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

6857. Re: Clandestine antenna Wire

Yahoo group: ham-antennas (2008)
Date: 2008-11-20 03:38:16 UTC
From: Scott Laughlin
Topic: 6854 Message: 6857

I forgot to mention there's website at

http://groups.yahoo.com/group/qnc/

that explains the theory of opeation of the EH antenna.

72 de Scott/n7net

--- In ham-antennas@yahoogroups.com, "Scott Laughlin" <n7net@...>
wrote:
>
> I haven't seen anyone mention the EH antenna.
>
> de Scott/n7net
>
> --- In ham-antennas@yahoogroups.com, "Richard Schmuke" <rdj@>
> wrote:
> >
> > Thanks for the link Paul , I also worked around aircraft and
> brought up the
> > safety last night , but I got to thinking and the safety wire is
> strong and
> > flexible, , ok for a dipole that would be too thin to see, but
for a
> > vertical you might want to look at music wire. It is not as
> flexible and has
> > a good spring rate. The original request was to have it under 6
> ft , he
> > could use a piece of music wire from a hobby shop and solder it
to
> the
> > center of a lower section of rod to get the required height and
not
> be seen.
> > Ref the picture of the splice of SS rod in the picture section
> where I put a
> > 1/16 rod in a 1/8 SS rod. 1/16 or less is hard to see at a
> distance. Just
> > drill the lower section and use a good flux and clean it up when
> done.
> >
> >
> >
> > Rich , KDØZZ
> >
> > Disclaimer: Any errors in spelling or facts are transmission

errors.
> >
> >
> >
> > Subject: [ham-antennas] Clandestine antenna Wire
> >
> >
> >
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had
> to
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> > taildrager which were made of stainless steel wire and then
> remembered
> > also the brass safety wire as well. Well here is a great link for
> > spools (only 25 foot though) or one pound boxes.
> >
> > http://www.aircraftspruce.com/catalog/appages/safetywire.php
> >
> > They also have the nice tools for making nice clean twisted
> > connections fairly cheaply. They have all kinds of cool things for
> > aircraft that can be used by those of us who are hams.
> >
> > Paul
> > ke7wtk
> >
> >
> >
> >
> >
> > [Non-text portions of this message have been removed]
> >
>

6858. bazooka antenna

Yahoo group: ham-antennas (2008)
Date: 2008-11-20 07:09:20 UTC
From: bushpilot169
Topic: 6858 Message: 6858

I have some 75ohm coax and i was woundering if i use that coax for the antenna then use 50ohm coax to feed the 75ohm will that work or should i use 75ohm as the antenna and feed line also?

Dave KCØSVO

6859. Re: bazooka antenna

Yahoo group: ham-antennas (2008)
Date: 2008-11-20 15:46:20 UTC
From: ad7gr
Topic: 6858 Message: 6859

Results from a Yahoo Search indicate that 50 ohm coax will do. There is much info on the Double Bazooka available. For example:
www.vk1od.net/DoubleBazooka
www.bloomington.in.us/~wh2t/bazooka.html

Good Luck... 73,
Ed - AD7GR

--- In ham-antennas@yahoogroups.com, "bushpilot169" <bushplt@...> wrote:
"I have some 75ohm coax and i was woundering if i use that coax for the antenna then use 50ohm coax to feed the 75ohm will that work or should i use 75ohm as the antenna and feed line also?
Dave KCØSVO"

6860. Re: bazooka antenna

Yahoo group: ham-antennas (2008)
Date: 2008-11-20 15:47:14 UTC
From: Stewart
Topic: 6858 Message: 6860

Dave,
Use the 75 Ohm to make the antenna as the impedance doesn't matter, just the velocity factor. Then use 50 Ohm for the feeder, as all the formulas/calculators I've seen calculate the antenna dimensions for a 50 Ohm feed-point.
I have double bazookas on 60M; 40M; 6M; & 4M. I like them. They work.

73, Stewart GM0GTU

--- In ham-antennas@yahoogroups.com, "bushpilot169" <bushplt@...> wrote:
>
>
> I have some 75ohm coax and i was woundering if i use that coax
> for the antenna then use 50ohm coax to feed the 75ohm will that
> work or should i use 75ohm as the antenna and feed line also?
>
>
> Dave KCØSVO
>

6861. SuperLoop Experience

Yahoo group: ham-antennas (2008)
Date: 2008-11-20 15:53:06 UTC
From: William Trippett
Topic: 6861 Message: 6861

Having become very intrigued by th so-called "Super Loop" I built two of them for 40/80 meters. There did not seem to be enough difference between them to justify keeping both of them so I rebuilt one of them into a 30 meter antenna. Using EXNEC the dimensions are as follows: Horizontal section 64.8 feet. Equilateral sections, 43.85 feet. The horizontal section is split in the middle with a 1/4 wave stub of 450 0hm ladder line attached across the insulator. The unit is fed at the vertex with a 4:1 balun and shows 200 +j0 with0ut the balun.

The antenna is at 85 feet and works very well on 30 and well enough on 60 meters. Interestingly it tunes 20 meters well too although I don't use it for that band.

Also of interest is the fact that the SWR plot shows significant dips at about 3.4 and 23.5 MHz.

Using my antenna analyzer the antenna actually dips at about 9.9 MHz instead of the design frequency of 10.125. That can probably be attributed to differing conditions than the assumptions used in EZNEC.

Anybody else used one of these?

73
Bill
W7VP

6862. Re: Odd-multiple resonance

Yahoo group: ham-antennas (2008)
Date: 2008-11-20 16:25:51 UTC
From: Norm Blitch
Topic: 6829 Message: 6862

Mike,

If you revisit my original Post, I'm getting 20 via the 60 meter wire, not the 40... It (the 40) is just there for 40 meter work...

73 Norm

--- In ham-antennas@yahoogroups.com, "Mike Besemer \(WM4B\)" <mwbesemer@...> wrote:
>
> Norm,
>
>
>
> If you use frequency instead of wavelength, you get slightly different results. Remember, wavelengths are approximate, while frequency is exact.
>
>
>

> As for 40 to 20, you're correct. 7.1 * 2 = 14.2 MHz, which is 20 meters,
> but the multiple is EVEN and therefore should not work on a center fed dipole.
>

> Good luck es 73,

> Mike
>
> WM4B
>
>
>
> From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On
> Behalf Of Norm Blitch
> Sent: Tuesday, November 18, 2008 7:17 PM
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] Odd-multiple resonance
>
>
>

> .consider a three wire center feed dipole with one cut for 60 meters (gives 60, 20, and 12), another cut for 40 meters (nothing

gained here except 40),
> and the last one cut for 30 meters, yielding 10 meters as well as 6.
>
> 73 de Norm
>
> JUST back from Skycraft and AES in Orlando

6863. Re: Odd-multiple resonance

Yahoo group: ham-antennas (2008)
Date: 2008-11-20 16:32:00 UTC
From: Norm Blitch
Topic: 6829 Message: 6863

Steve,

(and YES, I have been the official Bar Norm in
Several "Establishments")

The 20 and 12 are respectively thirds and fifths of the 60...

Perhaps I should have said in the calcs that I was working BACKWARDS
from the HIGHER harmonic frequencies needed, NOT from the native half-
wave primary to the element...

"Sweeping"??

No, NEC is STILL a bit over my head... looking for "MiniNEC for
Dummies"

73 Norm

--- In ham-antennas@yahoogroups.com, Steve/WM5Z <wm5z@...> wrote:
>
> Hey, Norm, (flashback to TV show Cheers) ;-)
>
> I don't understand your math.
> 5.35 X 3 = 16.3
> 5.35 X 5 = 37.45
> 7.10 X 3 = 21.3, Gaining 15 meters
> 10.125 X 3 = 30.375
> 10.125 X 5 = 50. Good for 6 meters. Where is 20 and 12 coming from?
>
> Are you sweeping an antenna you have up? Are you modeling this on
software?
>
>
>
> Steve/WM5Z

6864. AW: [ham-antennas] Re: Odd-multiple resonance

Yahoo group: ham-antennas (2008)
Date: 2008-11-20 17:02:18 UTC
From: Siegfried Jackstien
Topic: 6829 Message: 6864

dear norm
try out "mmana"
easy to use if you worked with it a few hours
just put your feedingpoint in a little piece of wire (say w1c)
ad your dipole or what else you wanna feed (say w2 and w3)
calculate and see what happens
73´s de dg9bfc
sigi

-----Ursprüngliche Nachricht-----
Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]Im Auftrag von Norm Blitch
Gesendet: Donnerstag, 20. November 2008 17:32
An: ham-antennas@yahoogroups.com
Betreff: [ham-antennas] Re: Odd-multiple resonance

Steve,

(and YES, I have been the official Bar Norm in
Several "Establishments")

The 20 and 12 are respectively thirds and fifths of the 60...

Perhaps I should have said in the calcs that I was working BACKWARDS
from the HIGHER harmonic frequencies needed, NOT from the native half-
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"Sweeping"??

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73 Norm

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> 7.10 X 3 = 21.3, Gaining 15 meters
> 10.125 X 3 = 30.375
> 10.125 X 5 = 50. Good for 6 meters. Where is 20 and 12 coming from?
>
> Are you sweeping an antenna you have up? Are you modeling this on
software?

>
>
>
> Steve/WM5Z

[Non-text portions of this message have been removed]

6865. Re: [ham-antennas] Re: Odd-multiple resonance

Yahoo group: ham-antennas (2008)
Date: 2008-11-20 17:19:54 UTC
From: Steve/WM5Z
Topic: 6829 Message: 6865

Oh gosh Norm,

EZnec is pretty easy to use. Since it is a graphical interface for NEC. It is to bad for me, I use Linux, and it doesn't run on Linux. My last experience with EZnec was back about 4 - 5 years ago before I changed from XPpro to Linux. Maybe someday someone will write a version for us Linux kind of guys. Until then.

Anyway, either way you go, up or down, if you are designing an antenna, and want to know what it is capable of, that software can help. True, it is only a model, and can't possibly predict every scenario. But it sure can save a ton of wire :-)

--
Steve/WM5Z
The humble ramblings of an old fart, and should not be taken seriously by any inteligent life form.

Norm Blitch wrote:
> Steve,
>
> (and YES, I have been the official Bar Norm in
> Several "Establishments")
>
> The 20 and 12 are respectively thirds and fifths of the 60...
>
> Perhaps I should have said in the calcs that I was working BACKWARDS
> from the HIGHER harmonic frequencies needed, NOT from the native half-
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>
> "Sweeping"??
>
> No, NEC is STILL a bit over my head... looking for "MiniNEC for
> Dummies"
>
> 73 Norm
>
> --- In ham-antennas@yahoogroups.com, Steve/WM5Z <wm5z@...> wrote:
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>>
>> I don't understand your math.
>> 5.35 X 3 = 16.3
>> 5.35 X 5 = 37.45
>> 7.10 X 3 = 21.3, Gaining 15 meters
>> 10.125 X 3 = 30.375

>> 10.125 X 5 = 50. Good for 6 meters. Where is 20 and 12 coming from?
>>
>> Are you sweeping an antenna you have up? Are you modeling this on
>>
> software?
>
>>
>> Steve/WM5Z
>>
>
>
>

6866. Re: AW: [ham-antennas] Re: Odd-multiple resonance

Yahoo group: ham-antennas (2008)
Date: 2008-11-20 18:38:34 UTC
From: Steve/WM5Z
Topic: 6829 Message: 6866

I just did check it out. It even works with Wine under Linux. Thanks.

--
Steve/WM5Z
The humble ramblings of an old fart, and should not be taken seriously by any intelligent life form.

Siegfried Jackstien wrote:
> dear norm
> try out "mmana"
> easy to use if you worked with it a few hours
> just put your feedingpoint in a little piece of wire (say w1c)
> ad your dipole or what else you wanna feed (say w2 and w3)
> calculate and see what happens
> 73?s de dg9bfc
> sigi
>

6867. AW: AW: [ham-antennas] Re: Odd-multiple resonance

Yahoo group: ham-antennas (2008)
Date: 2008-11-20 19:09:46 UTC
From: Siegfried Jackstien
Topic: 6829 Message: 6867

steve you are welcome :-)
if you wanna know something about this soft ... maybe i can tell you
but if you take some time to test you will surely understand that programm
just open any antenna you like and see how it is built
after that go to the "edit" menuepoint ... klick on wire edit
and you have a 3D drawing and three 2d drawings available
just make your wires with the mouse and that´s it
best 73´s de dg9bfc
sigi
-----Ursprüngliche Nachricht-----
Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]Im
Auftrag von Steve/WM5Z
Gesendet: Donnerstag, 20. November 2008 19:39
An: ham-antennas@yahoogroups.com
Betreff: Re: AW: [ham-antennas] Re: Odd-multiple resonance

I just did check it out. It even works with Wine under Linux. Thanks.

--
Steve/WM5Z
The humble ramblings of an old fart, and should not be taken seriously by
any intelligent life form.

Siegfried Jackstien wrote:
> dear norm
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> ad your dipole or what else you wanna feed (say w2 and w3)
> calculate and see what happens
> 73´s de dg9bfc
> sigi
>

[Non-text portions of this message have been removed]

6868. Re: AW: AW: [ham-antennas] Re: Odd-multiple resonance

Yahoo group: ham-antennas (2008)
Date: 2008-11-20 21:49:59 UTC
From: Steve/WM5Z
Topic: 6829 Message: 6868

Thank you very much. Let me offer you that if you need a beta tester on Linux, I am willing.

Have you thought about making a Linux native version? Those of us that use this operating system would really like that.

--
Steve/WM5Z
The humble ramblings of an old fart, and should not be taken seriously by any intelligent life form.

Siegfried Jackstien wrote:
> steve you are welcome :-)
> if you wanna know something about this soft ... maybe i can tell you
> but if you take some time to test you will surely understand that programm
> just open any antenna you like and see how it is built
> after that go to the "edit" menuepoint ... klick on wire edit
> and you have a 3D drawing and three 2d drawings available
> just make your wires with the mouse and that?s it
> best 73?s de dg9bfc
> sigi
> -----Urspr?ngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]Im
> Auftrag von Steve/WM5Z
> Gesendet: Donnerstag, 20. November 2008 19:39
> An: ham-antennas@yahoogroups.com
> Betreff: Re: AW: [ham-antennas] Re: Odd-multiple resonance
>
>
> I just did check it out. It even works with Wine under Linux. Thanks.
>
>

6869. mobil

Yahoo group: ham-antennas (2008)
Date: 2008-11-21 00:00:37 UTC
From: n7pla97448
Topic: 6869 Message: 6869

i am wondering if anyone has a good idea for an hf mobil antenna that doesn't reach up so far above my 2001 f150 ford pick up.i have ran a few hamsticks on a tri mount magnet, but this is too high. i ask because i have real badly injured hands and have trouble mounting any antennas. any help would be very greatfull. thanks, mike n7pla

6870. Re: [ham-antennas] mobil

Yahoo group: ham-antennas (2008)
Date: 2008-11-21 00:14:36 UTC
From: Earl Needham
Topic: 6869 Message: 6870

n7pla97448 wrote:
>
> i am wondering if anyone has a good idea for an hf mobil antenna that
> doesn't reach up so far above my 2001 f150 ford pick up.i have ran a
> few hamsticks on a tri mount magnet, but this is too high. i ask
> because i have real badly injured hands and have trouble mounting any
> antennas. any help would be very greatfull. thanks, mike n7pla
>

Mike, this makes me thing of two things right off the bat --

First, I've seen mounts to fit in a stake pocket. Seems that might be a bit easier to handle.

Second, use a quick-disconnect. I think the Hustler one would be pretty easy to manipulate with your sore hands, as it gives a pretty large surface to grip.

As for not being so high -- well, you could certainly get a 2-foot Hustler mast and put a 20-meter resonator on it. This gives you a 20-meter antenna that is only about 4 feet long. They work OK, but as you know, the longer, the better in a mobile application.

7 3
Earl Needham
KD5XB

6871. RE: [ham-antennas] mobil

Yahoo group: ham-antennas (2008)
Date: 2008-11-21 00:35:23 UTC
From: AE5MH
Topic: 6869 Message: 6871

Fix the mount and use quick disconnects. I recommend the Hustler QD which is very well made. One half twist and its off!
I use it on my Tarheel model 100 to remove the whip.. with it removed I can do car washes, and garages with no trouble!

AE5MH

-----Original Message-----
From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of n7pla97448
Sent: Thursday, November 20, 2008 6:01 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] mobil

i am wondering if anyone has a good idea for an hf mobil antenna that doesn't reach up so far above my 2001 f150 ford pick up.i have ran a few hamsticks on a tri mount magnet, but this is too high. i ask because i have real badly injured hands and have trouble mounting any antennas. any help would be very greatfull. thanks, mike n7pla

---

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 1446 members (as of 9/26/08, and attachments are NOT permitted.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
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Yahoo! Groups Links

6872. Re: mobil

Yahoo group: ham-antennas (2008)
Date: 2008-11-21 01:32:01 UTC
From: ad7gr
Topic: 6869 Message: 6872

Consider the motorized antenna mounts that raises (swivels) up/down...

Diamond K9000 series (www.eham.net/reviews/detail/6171) with photos at (www.rfparts.com/diamond/k9000photos.html).
Maldol MK-30H motorized mount at (www.universal-radio.com/catalog/hamantm/4219.html). These may or may not be suitable for your install. I would think that a stake hole mount could be readily made if needed or just mount to a bed rail. There may be others that could be brought up in a web search.

Or perhaps a short screwdriver antenna with a fold-over release... (www.hayseed.net/~jpk5lad/Tahoe mobile installation/HF Antenna Installation/Little Tarheel Installation/Screwdriver Ant for 2007 Tahoe.htm) and (www.tarheelantennas.com/little_tarheel_ii). These little antennas could clear the truck roof when stake hole mounted if the whip is laid down or quick disconnect is used.

Just a few ideas... I hope you find what you need.

73,
Ed - AD7GR

6873. Re: hf vertical v dipole

Yahoo group: ham-antennas (2008)
Date: 2008-11-21 01:48:47 UTC
From: ve9xyz
Topic: 6762 Message: 6873

Here's my situation fpr comments, and may help: I have a 20 m dipole at 35' and a cushcraft 5 band vertical with 16 radials - all over very rocky terrain. In all but a very few instances the dipole gives better reception (generally 2-3 S units). Ditto for my 80 m dipole at 35-40', which usually oiutperforms the vertical.

The vertical was fun to play with and set up, but for the most p;art I just use my dipoles.

Kevin

VE9-XYX
myfamilydotcom@...

--- In ham-antennas@yahoogroups.com, "wd4elg_base" <mlunday@...>
wrote:
>
> Alan
>
> It depends!
>
> Are you trying to work DX? In general, vertical has lower angle of
> radiation. But no directivity, which means it receives from all
> directions. Dipoles have some broadside directivity.
>
> Verticals tend to suffer more from man-mande noise.
>
> How high is the dipole? How many radials are attached to the
> vertical? What kind of soil? If I am at the beach near seawater,
> the vertical will perform extremely well for DX. At my house here
in
> NC, the dipole on 20 meters (at 40 feet) can and often does
> outperform my vertical.
>
> Dipoles are easier to erect. Do you want to use multiple bands on
a
> single antenna?
>
> What is your yard situation? Do you have trees to hold a dipole?
>
> A thousand questions! Please clarify with your objectives
and "yard
> situation" and we can give more details.
>
> Hope this helps!
>

> Mark Lunday
> WD4ELG
> http://wd4elg.net
>

6874. Re: [ham-antennas] Re: hf vertical v dipole

Yahoo group: ham-antennas (2008)
Date: 2008-11-21 03:02:51 UTC
From: Joe
Topic: 6762 Message: 6874

But now a neat experiment would be. it to re mount yout vrttical about 5
to 10 feet above the ground, and use the same amount of radials, but
also elevated at the same height. I bet you would be surprised at the
difference.

ve9xyz wrote:

>Here's my situation fpr comments, and may help: I have a 20 m dipole
>at 35' and a cushcraft 5 band vertical with 16 radials - all over
>very rocky terrain. In all but a very few instances the dipole gives
>better reception (generally 2-3 S units). Ditto for my 80 m dipole
>at 35-40', which usually oiutperforms the vertical.
>
>The vertical was fun to play with and set up, but for the most p;art
>I just use my dipoles.
>
>Kevin
>
>VE9-XYX
>myfamilydotcom@...
>
>
>
>--- In ham-antennas@yahoogroups.com, "wd4elg_base" <mlunday@...>
>wrote:
>
>
>>Alan
>>
>>It depends!
>>
>>Are you trying to work DX? In general, vertical has lower angle of
>>radiation. But no directivity, which means it receives from all
>>directions. Dipoles have some broadside directivity.
>>
>>Verticals tend to suffer more from man-mande noise.
>>
>>How high is the dipole? How many radials are attached to the
>>vertical? What kind of soil? If I am at the beach near seawater,
>>the vertical will perform extremely well for DX. At my house here
>>
>>
>in
>
>

>>NC, the dipole on 20 meters (at 40 feet) can and often does
>>outperform my vertical.
>>
>>Dipoles are easier to erect. Do you want to use multiple bands on
>>
>>
>a
>
>
>>single antenna?
>>
>>What is your yard situation? Do you have trees to hold a dipole?
>>
>>A thousand questions! Please clarify with your objectives
>>
>>
>and "yard
>
>
>>situation" and we can give more details.
>>
>>Hope this helps!
>>
>>Mark Lunday
>>WD4ELG
>>http://wd4elg.net
>>
>>
>>
>
>
>
>----------
>
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[Non-text portions of this message have been removed]

6875. Stealth 40 or 20M Beam

Yahoo group: ham-antennas (2008)
Date: 2008-11-21 03:38:59 UTC
From: Steven Read
Topic: 6875 Message: 6875

I have a tower for my TV antenna and am wondering whether there would be any way to replace the TV antenna with a 40 or 20M beam without it being too obvious. Has anybody tried anything like this? The tower is about thirty feet tall and I am looking for something where the switch from a TV to ham antenna would not be too visible from the ground. The house with the tower sits back about forty feet from the street.

Steven Read - ab9ol

6876. Re: [ham-antennas] 6m/10m FM Clandestine antenna

Yahoo group: ham-antennas (2008)
Date: 2008-11-21 05:36:50 UTC
From: Steven Read
Topic: 6784 Message: 6876

If you own your home, an idea would be to get your wife to raise some sort of flowering plant - something that needs a trellis. You should be able to bury some chicken fencing in the flower garden.

A little more detail about your situation might give folks on the list some ideas.

Steven Read - ab9ol

Leonard K. Pennock wrote:
> I need a Clandestine vertical antenna for the FM portions of the 6M and
> 10M bands. Anyone have a suggestion or better yet plans for such a animal.
>
>
>

6877. Be Careful How You List Names In Your Cell Phone

Yahoo group: ham-antennas (2008)
Date: 2008-11-21 05:59:27 UTC
From: Its from KE4VYN
Topic: 6877 Message: 6877

I have seen this before, and while not radio related it never hurts to have a reminder. The holidays are coming up.

Something to think about & maybe make a change?

Be careful how you list names on your cell phone! This lady has changed her habit of how she lists her names on Her mobile phone after her handbag was stolen. Her handbag which contained her cell phone, credit card, wallet, etc.. was stolen. 20 minutes later when she called her Husband from a pay phone telling him what had happened, hubby says 'I received your text asking about our Pin number and I've replied a little while ago.' When they rushed down to the bank, the bank staff told them all the money was already withdrawn.

The thief had actually used the stolen cell phone to text 'hubby' in the contact list and got hold of the PIN number. Within 20 minutes he had withdrawn all the money from the bank account.

Moral of the lesson: Do not disclose the relationship between you and the people in your contact list.
Avoid using names like Home, Honey, Hubby, Sweetheart, Dad, Mom, etc.

And very importantly, when sensitive info is being asked thru texts, CONFIRM by calling back. Also, when you're being texted by friends or family to meet them somewhere, be sure to call back to confirm that the message came from them. If you don't reach them, be very careful about going places to meet 'family and friends' who text you.

They could be setting you up to be burglarized, or worse. PLEASE PASS THIS ON.

****
AOL Search: Your one stop for directions, recipes and all other Holiday needs. Search Now. (http://pr.atwola.com/promoclk/100000075x1212792382x1200798498/aol?redir=http://searchblog.aol.com/2008/11/04/happy-holidays-from-aol-search/?ncid=emlcntussear00000001<http://pr.atwola.com/promoclk/100000075x1212792382x1200798498/aol?redir=http://searchblog.aol.com/2008/11/04/happy-holidays-from-aol-search/?ncid=emlcntussear00000001>)

[Non-text portions of this message have been removed]

6878. radial/counterpoise

Yahoo group: ham-antennas (2008)
Date: 2008-11-21 08:32:48 UTC
From: Rick
Topic: 6878 Message: 6878

Question is
When is a radial a counterpoise? In other words if you have a wire/radial elevated above ground around 12 inches or more is this a radial, a counterpoise or other leg of a dipole. The other wire would be connected to a 40 ft vertical wire. If this would be considered the other leg of a dipole I would assume that this leg would not have to be grounded, am I correct in this?. The center/tie point would be connected to a 1:1 balun. I am not sure so I figured I would come to the pool.

Thanks
Rick/WA6ES

6879. Re: [ham-antennas] hf vertical v dipole

Yahoo group: ham-antennas (2008)
Date: 2008-11-21 10:31:19 UTC
From: Walter A. Breining
Topic: 6762 Message: 6879

Alan:

A vertical will have a lower radiation angle than a dipole. It will sometimes hear more noise, but for DX the advantage of the low angle will often out weigh this problem.

Simply, I have found that a properly erected dipole is usually superior to a vertical for distances out to about 800 to 1000 miles. Farther out the vertical is usually superior if it is properly designed.

Since 20 meters is a DX band, I have found that a vertical is superior to a dipole because my interest on that band is stations over 800 miles.

At one time I had a 20-meter ground plane on my barn roof and it was far better than the dipole. I later put up a good tri band beam and I was surprised at how well the ground plane kept up with the beam. Now understand that the ability to reject unwanted signals by the directional characteristics of the beam was a big advantage, and the beam exhibited some improvement over the ground plane on transmit.

Also on 80 meters I had a ground mounted ? wave vertical and a dipole. Again I found that the dipole was usually superior to the vertical out to about 800 miles. But out farther than 1000 miles the vertical was usually superior to the dipole. The vertical was very much the better antenna for receive and transmit it Northern Europe.

Since 20 meters, at least to me, is a DX band if I could not have a beam I would choose a vertical.

Vy 73, Walt, N9WB

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of alan
Sent: Saturday, November 15, 2008 6:52 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] hf vertical v dipole

hi all
is a hf vertical better or worse for recieving only i ask this question as i have a 20dipole up in my loft and was wondering if a vertical was better or worse thanks ...alan

6880. Re: radial/counterpoise

Yahoo group: ham-antennas (2008)
Date: 2008-11-21 14:23:38 UTC
From: ad7gr
Topic: 6878 Message: 6880

There is a very good article (Counterpoise? On the Use and Abuse of a Word) on this by C. B. Cebik, W4RNL, on www.cebik.com/content/gp/cps.html. If not a member of the site you will have to join www.cebik.com and it is well worth it.

73,
Ed - AD7GR

--- In ham-antennas@yahoogroups.com, "Rick" <wa6es@...> wrote:

"Question is When is a radial a counterpoise? In other words if you have a wire/radial elevated above ground around 12 inches or more is this a radial, a counterpoise or other leg of a dipole..."

6881. Re: [ham-antennas] radial/counterpoise

Yahoo group: ham-antennas (2008)
Date: 2008-11-21 14:27:27 UTC
From: w8okn@charter.net
Topic: 6878 Message: 6881

You'll get a lot of opinions on this. When I was in college, studying for my EE, we never used the word "counterpoise". It's not in any college or scientific textbook that I ever recall. Somehow, this term made its way into ham radio through some publication to describe the other end of the antenna.

The idea is to allow the return currents to increase efficiency and to affect capacitance, etc. This is why the more radials you have, the better. A minimum would be 4 for a vertical above ground and roughly 30-40 for a ground mounted vertical. One "counterpoise" and one radiating element is a dipole, two poles...
--
From the desk of W8OKN, northern Michigan

---- Rick <wa6es@...> wrote:
> Question is
> When is a radial a counterpoise? In other words if you have a
> wire/radial elevated above ground around 12 inches or more is this a
> radial, a counterpoise or other leg of a dipole. The other wire would
> be connected to a 40 ft vertical wire. If this would be considered the
> other leg of a dipole I would assume that this leg would not have to
> be grounded, am I correct in this?. The center/tie point would be
> connected to a 1:1 balun. I am not sure so I figured I would come to
> the pool.
>
> Thanks
> Rick/WA6ES
>
>

6882. Re: [ham-antennas] Re: Placement of dipole

Yahoo group: ham-antennas (2008)
Date: 2008-11-21 15:31:08 UTC
From: John
Topic: 6774 Message: 6882

Hi Richard,

Thanks for the advice. Yes belonging to this group and reading books like the ARRL Antenna book really help. Anyhow when all else fails throw up a wire and see what happens.

John
KE7JSL

[Non-text portions of this message have been removed]

6883. Re: hf vertical v dipole

Yahoo group: ham-antennas (2008)
Date: 2008-11-21 18:59:12 UTC
From: ve9xyz
Topic: 6762 Message: 6883

Joe - just to be clear - what did you mean by "elevated at the same height" elevate what to the same height as what?

Kevin

--- In ham-antennas@yahoogroups.com, Joe <nss@...> wrote:
>
> But now a neat experiment would be. it to re mount yout vrttical about 5
> to 10 feet above the ground, and use the same amount of radials, but
> also elevated at the same height. I bet you would be surprised at the
> difference.
>
> ve9xyz wrote:
>
> >Here's my situation fpr comments, and may help: I have a 20 m dipole
> >at 35' and a cushcraft 5 band vertical with 16 radials - all over
> >very rocky terrain. In all but a very few instances the dipole gives
> >better reception (generally 2-3 S units). Ditto for my 80 m dipole
> >at 35-40', which usually oiutperforms the vertical.
> >
> >The vertical was fun to play with and set up, but for the most p;art
> >I just use my dipoles.
> >
> >Kevin
> >
> >VE9-XYX
> >myfamilydotcom@...
> >
> >
> >
> >--- In ham-antennas@yahoogroups.com, "wd4elg_base" <mlunday@>
> >wrote:
> >
> >
> >>Alan
> >>
> >>It depends!
> >>

> >>Are you trying to work DX? In general, vertical has lower angle
of
> >>radiation. But no directivity, which means it receives from all
> >>directions. Dipoles have some broadside directivity.
> >>
> >>Verticals tend to suffer more from man-mande noise.
> >>
> >>How high is the dipole? How many radials are attached to the
> >>vertical? What kind of soil? If I am at the beach near
seawater,
> >>the vertical will perform extremely well for DX. At my house
here
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> >
> >>NC, the dipole on 20 meters (at 40 feet) can and often does
> >>outperform my vertical.
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> >>Dipoles are easier to erect. Do you want to use multiple bands
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> >>single antenna?
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> >>What is your yard situation? Do you have trees to hold a dipole?
> >>
> >>A thousand questions! Please clarify with your objectives
> >>
> >>
> >and "yard
> >
> >
> >>situation" and we can give more details.
> >>
> >>Hope this helps!
> >>
> >>Mark Lunday
> >>WD4ELG
> >>http://wd4elg.net
> >>
> >>
> >>
> >
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> >

> >-----------------------------------
> >
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>
> [Non-text portions of this message have been removed]
>

6884. Re: [ham-antennas] Re: Placement of dipole

Yahoo group: ham-antennas (2008)
Date: 2008-11-21 21:18:04 UTC
From: Ron
Topic: 6774 Message: 6884

A perfect example of throw up a wire and see what happens is my
location. I have a dipole up that technically should be next to
impossible to work Hawaii, but it does and very well at that.
So you just never know what might influence it.
Ron VA7HZ

John wrote:
>
> Hi Richard,
>
> Thanks for the advice. Yes belonging to this group and reading books
> like the ARRL Antenna book really help. Anyhow when all else fails
> throw up a wire and see what happens.
>
> John
> KE7JSL
>
>
>
>
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>
> [Non-text portions of this message have been removed]
>
>

6885. Live on Web Cam Arecibo Obseervatory

Yahoo group: ham-antennas (2008)
Date: 2008-11-21 21:21:58 UTC
From: Israel
Topic: 6885 Message: 6885

http://aocam0.naic.edu:8081/

Hello to you all
would like to make an invitation for a special event that will be held at
>The Radio Telescope in Arecibo, Puerto Rico commemorating the 45
> years of operations of the biggest radio telescope in the world. We,
the hams,
> who work their will organize with the ham community, and will
> transmit on Hf and digital modes; we will be live on the webcam
> also. This will take place on November 23, 2008 from 13:00 to
> 20: OO UTC. Hope to here from you on HF 73`s KP4LCL
Call for special event (KP4AO) frec 14.250

6886. Live Web Cam Arecibo Observatory

Yahoo group: ham-antennas (2008)
Date: 2008-11-21 21:34:37 UTC
From: Israel
Topic: 6886 Message: 6886

http://aocam0.naic.edu:8081/

Hello to you all
would like to make an invitation for a special event that will be held at
>The Radio Telescope in Arecibo, Puerto Rico commemorating the 45
> years of operations of the biggest radio telescope in the world. We,
the hams,
> who work their will organize with the ham community, and will
> transmit on Hf and digital modes; we will be live on the webcam
> also. This will take place on November 23, 2008 from 13:00 to
> 20: OO UTC. Hope to here from you on HF 73`s KP4LCL
Call for special event (KP4AO) frec 14.250

6887. Re: radial/counterpoise

Yahoo group: ham-antennas (2008)
Date: 2008-11-21 21:49:37 UTC
From: Mark Blanton
Topic: 6878 Message: 6887

A radial IS a counterpoise. A counterpoise is the so-called missing half of a vertical whether it is one wire or many or a copper wire mesh screen laid out on the ground. If I remember correctly the term "radial" comes from having a set of wires arranged around the base of a vertical antenna in such a manner that they "radiate" out from the center like the spokes on a bicycle tire.

Mark WC5M

<wa6es@...> wrote:
>
> Question is
> When is a radial a counterpoise? In other words if you have a
> wire/radial elevated above ground around 12 inches or more is this a
> radial, a counterpoise or other leg of a dipole. The other wire would
> be connected to a 40 ft vertical wire. If this would be considered
the
> other leg of a dipole I would assume that this leg would not have to
> be grounded, am I correct in this?. The center/tie point would be
> connected to a 1:1 balun. I am not sure so I figured I would come to
> the pool.
>
> Thanks
> Rick/WA6ES
>

6888. Re: [ham-antennas] Re: radial/counterpoise

Yahoo group: ham-antennas (2008)
Date: 2008-11-21 22:10:30 UTC
From: Dan Schaaf
Topic: 6878 Message: 6888

I think that the counterpoise on a vertical, as in my HyGain AV-640, is not quite the same as the radial. Radials are best when cut for 1/4 wavelength, whereas, my counterpoise is not 1/4 wavelength. The counterpoise is always elevated at least 7 feet, has a capacitance to ground and to the vertical element. One length of counterpoise fits all bands, as in the AV-640 multiband vertical.
In the case of the AV-640, the vertical is 3/8 electrical wavelength, and the counterpoise elements are far less than what you would expect the other side of a vertical should be.

A good reference is at http://www.antennex.com/shack/Dec06/cps.html
by L.B. Cebik. (SK)

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com "In the Beginning, there was Spark Gap"
==========
NOBSKA
www.nobska.net
==========
Cape Cod Instruments
www.oceanbiz.net
==========
----- Original Message -----
From: Mark Blanton
To: ham-antennas@yahoogroups.com
Sent: Friday, November 21, 2008 4:49 PM
Subject: [ham-antennas] Re: radial/counterpoise

A radial IS a counterpoise. A counterpoise is the so-called missing half of a vertical whether it is one wire or many or a copper wire mesh screen laid out on the ground. If I remember correctly the term "radial" comes from having a set of wires arranged around the base of a vertical antenna in such a manner that they "radiate" out from the center like the spokes on a bicycle tire.

Mark WC5M

<wa6es@...> wrote:
>
> Question is
> When is a radial a counterpoise? In other words if you have a
> wire/radial elevated above ground around 12 inches or more is this a
> radial, a counterpoise or other leg of a dipole. The other wire would
> be connected to a 40 ft vertical wire. If this would be considered
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> other leg of a dipole I would assume that this leg would not have to
> be grounded, am I correct in this?. The center/tie point would be

> connected to a 1:1 balun. I am not sure so I figured I would come to
> the pool.
>
> Thanks
> Rick/WA6ES
>

[Non-text portions of this message have been removed]

6889. Re: [ham-antennas] Be Careful How You List Names In Your Cell Phone

Yahoo group: ham-antennas (2008)
Date: 2008-11-21 22:14:23 UTC
From: jeff
Topic: 6877 Message: 6889

Excellent advice.

Allow me to amplify: don't list ANYTHING.

I'm also agitated that ham licensing info gets publicly listed. Do I really want anybody knowing what I do or equipment I might have at that particular address?

It's almost as silly as nurses having RN plates. Invitation for theft (or worse).

6890. Re: [ham-antennas] Be Careful How You List Names In Your Cell Phone

Yahoo group: ham-antennas (2008)
Date: 2008-11-21 22:43:41 UTC
From: Chris Vaughan
Topic: 6877 Message: 6890

That is why i have mine listed as a PO Box.

----- Original Message -----
From: "jeff" <jeffv@...>
To: ham-antennas@yahoogroups.com
Sent: Friday, November 21, 2008 4:14:23 PM (GMT-0600) America/Mexico_City
Subject: Re: [ham-antennas] Be Careful How You List Names In Your Cell Phone

Excellent advice.

Allow me to amplify: don't list ANYTHING.

I'm also agitated that ham licensing info gets publicly listed. Do I really want anybody knowing what I do or equipment I might have at that particular address?

It's almost as silly as nurses having RN plates. Invitation for theft (or worse).

[Non-text portions of this message have been removed]

6891. Re: Live on Web Cam Arecibo Obsevervatory

Yahoo group: ham-antennas (2008)
Date: 2008-11-22 00:03:54 UTC
From: Israel
Topic: 6885 Message: 6891

--- In ham-antennas@yahoogroups.com, "Israel" <kp4lcl@...> wrote:
>
>
> http://aocam0.naic.edu:8081/
>
> Hello to you all
> would like to make an invitation for a special event that will be
held at
> >The Radio Telescope in Arecibo, Puerto Rico commemorating the 45
> > years of operations of the biggest radio telescope in the world. We,
> the hams,
> > who work their will organize with the ham community, and will
> > transmit on Hf and digital modes; we will be live on the webcam
> > also. This will take place on November 23, 2008 from 13:00 to
> > 20: OO UTC. Hope to here from you on HF 73`s KP4LCL
> Call for special event (KP4AO) frec 14.250
>
sorry we are back on air

6892. Re: [ham-antennas] Re: radial/counterpoise

Yahoo group: ham-antennas (2008)
Date: 2008-11-22 00:47:15 UTC
From: W8OKN Sean
Topic: 6878 Message: 6892

The point I was trying to make is that "counterpoise" is more of a ham radio term, not a scientific term. The common use by hams suggests that it means the other end of the dipole. Or some refer to it as the "network of wires to act as a ground" which sounds like a radial system.

But go to a commercial antenna reference manual and you'll not likely see the term used professionally. Later tomorrow, I'll do a search in some of my reference materials to see if I missed something.

W8OKN

----- Original Message -----
From: Mark Blanton
To: ham-antennas@yahoogroups.com
Sent: Friday, November 21, 2008 4:49 PM
Subject: [ham-antennas] Re: radial/counterpoise

A radial IS a counterpoise. A counterpoise is the so-called missing
half of a vertical whether it is one wire or many or a copper wire mesh
screen laid out on the ground. If I remember correctly the
term "radial" comes from having a set of wires arranged around the base
of a vertical antenna in such a manner that they "radiate" out from the
center like the spokes on a bicycle tire.

Mark WC5M

<wa6es@...> wrote:
>
> Question is
> When is a radial a counterpoise? In other words if you have a
> wire/radial elevated above ground around 12 inches or more is this a
> radial, a counterpoise or other leg of a dipole. The other wire would
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the
> other leg of a dipole I would assume that this leg would not have to
> be grounded, am I correct in this?. The center/tie point would be
> connected to a 1:1 balun. I am not sure so I figured I would come to
> the pool.
>
> Thanks
> Rick/WA6ES
>

No virus found in this incoming message.
Checked by AVG - http://www.avg.com

Version: 8.0.175 / Virus Database: 270.9.8/1800 - Release Date: 11/19/2008 6:55 PM

[Non-text portions of this message have been removed]

6893. Re: 6m/10m FM Clandestine antenna

Yahoo group: ham-antennas (2008)
Date: 2008-11-22 00:55:39 UTC
From: john baker
Topic: 6784 Message: 6893

Leanord, sorry for catching this thread so late. Sounds like you are a candidate for a screwdriver antenna. The smaller versions (SDA and MFJ)offer 6 to 40(or 80) meter coverage. Should stand no more than 5-6 feet tall. Might be a little more elaborate than you intended but option none the less.

God bless
73
jb
kg6biw

--- In ham-antennas@yahoogroups.com, "Leonard K. Pennock" <leonardpennock@...> wrote:
>
> I have a Alpha Delta DX-CC in my attic to handle my HF. I also have a
> Ventenna and a Diamond D50 on my roof painted to match the ducts for
> 2/70. What I'm looking for is a dual band 6M and 10M antenna that is a
> vertical to use the other two bands on a FT8900. I really don't want a
> 15' tall antenna and I only want a single antenna. I didn't put my
> request out very well but what I'm looking for is something less than 6'
> tall that does both bands without a tuner. So I probably need a trapped
> vertical section with loaded radials. Anyone got plans for such a
> critter?
>
> Scott Laughlin wrote:
> > Leonard,
> >
> > Get a sailboat.
> >
> > Back twenty years ago I used to do CW with a fellow in Long Beach,
> > CA. Antennas were bad news where he lived, but sailboat spars were
> > horse of a different color. He had his shack in the boat. "The
> > antenna cops haven't found this antenna yet," he said.
> >
> > 72 de Scott/n7net/qrp
> >
> > --- In ham-antennas@yahoogroups.com, "Leonard K. Pennock"
> > <leonardpennock@> wrote:

> >> I need a Clandestine vertical antenna for the FM portions of the
6M
> > and
> >> 10M bands. Anyone have a suggestion or better yet plans for
such a
> > animal.
> >>
> >> --
> >> Leonard K. Pennock
> >> AD7AS
> >>
> >> Those who walk bravely through life, unafraid of loss or failure,
> >> find that they very rarely lose or fail.
> >>
> >
> >
> >
> > ------------------------------------
> >
> > HAM ANTENNAS Anything and everything, tell us or ask questions.
Replies go to ALL 1446 members (as of 9/26/08, and attachments are
NOT permitted.
> > Post message: ham-antennas@yahoogroups.com
> > Subscribe: ham-antennas-subscribe@yahoogroups.com
> > Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> > List owner: ham-antennas-owner@yahoogroups.com
> > Yahoo! Groups Links
> >
> >
> >
> --
> Leonard K. Pennock
> AD7AS
>
> Those who walk bravely through life, unafraid of loss or failure,
> find that they very rarely lose or fail.
>

6894. Re: radial/counterpoise

Yahoo group: ham-antennas (2008)
Date: 2008-11-22 01:30:03 UTC
From: Scott Laughlin
Topic: 6878 Message: 6894

If you consult a good dictionary you'll see that both terms are borrowed.

72 de Scott/n7net

--- In ham-antennas@yahoogroups.com, "W8OKN Sean" <w8okn@...> wrote:
>
> The point I was trying to make is that "counterpoise" is more of a ham radio term, not a scientific term. The common use by hams suggests that it means the other end of the dipole. Or some refer to it as the "network of wires to act as a ground" which sounds like a radial system.
>
> But go to a commercial antenna reference manual and you'll not likely see the term used professionally. Later tomorrow, I'll do a search in some of my reference materials to see if I missed something.
>
> W8OKN
>
> ----- Original Message -----
> From: Mark Blanton
> To: ham-antennas@yahoogroups.com
> Sent: Friday, November 21, 2008 4:49 PM
> Subject: [ham-antennas] Re: radial/counterpoise
>
>
> A radial IS a counterpoise. A counterpoise is the so-called missing
> half of a vertical whether it is one wire or many or a copper wire mesh
> screen laid out on the ground. If I remember correctly the
> term "radial" comes from having a set of wires arranged around the base
> of a vertical antenna in such a manner that they "radiate" out from the
> center like the spokes on a bicycle tire.
>
> Mark WC5M
>
> <wa6es@> wrote:
> >
> > Question is
> > When is a radial a counterpoise? In other words if you have a
> > wire/radial elevated above ground around 12 inches or more is

this a
> > radial, a counterpoise or other leg of a dipole. The other wire
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> > be connected to a 40 ft vertical wire. If this would be
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> the
> > other leg of a dipole I would assume that this leg would not
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> > be grounded, am I correct in this?. The center/tie point would
be
> > connected to a 1:1 balun. I am not sure so I figured I would
come to
> > the pool.
> >
> > Thanks
> > Rick/WA6ES
> >
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> ----------

>
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>
> No virus found in this incoming message.
> Checked by AVG - http://www.avg.com
> Version: 8.0.175 / Virus Database: 270.9.8/1800 - Release Date:
11/19/2008 6:55 PM
>
>
> [Non-text portions of this message have been removed]
>

6895. Re: radial/counterpoise

Yahoo group: ham-antennas (2008)
Date: 2008-11-22 03:19:47 UTC
From: Rick
Topic: 6878 Message: 6895

Thanks for the answers for the first part, I think. Sooo the way I see it if I have insulated copper wire streched on the cinderblock fence around 12-18" above the ground this would be considered a counterpoise/radial only if I have more than one stretched out. If I have one stretched wire stretched out it would technically count act as a "dipole type" antenna. In eather case I will be using a 1:1 balun.

--- In ham-antennas@yahoogroups.com, "Rick" <wa6es@...> wrote:

> Question is
> When is a radial a counterpoise? In other words if you have a
> wire/radial elevated above ground around 12 inches or more is this a
> radial, a counterpoise or other leg of a dipole. The other wire would
> be connected to a 40 ft vertical wire. If this would be considered the
> other leg of a dipole I would assume that this leg would not have to
> be grounded, am I correct in this?. The center/tie point would be
> connected to a 1:1 balun. I am not sure so I figured I would come to
> the pool.
>
> Thanks
> Rick/WA6ES
>

6896. Re: [ham-antennas] Re: radial/counterpoise

Yahoo group: ham-antennas (2008)
Date: 2008-11-22 04:20:57 UTC
From: W8OKN Sean
Topic: 6878 Message: 6896

Not worth the debate. Common use words find their way into dictionaries.

Call it what you wish.

W8OKN

----- Original Message -----
From: Scott Laughlin
To: ham-antennas@yahoogroups.com
Sent: Friday, November 21, 2008 8:30 PM
Subject: [ham-antennas] Re: radial/counterpoise

If you consult a good dictionary you'll see that both terms are borrowed.

72 de Scott/n7net

--- In ham-antennas@yahoogroups.com, "W8OKN Sean" <w8okn@...> wrote:
>
> The point I was trying to make is that "counterpoise" is more of a ham radio term, not a scientific term. The common use by hams suggests that it means the other end of the dipole. Or some refer to it as the "network of wires to act as a ground" which sounds like a radial system.
>
> But go to a commercial antenna reference manual and you'll not likely see the term used professionally. Later tomorrow, I'll do a search in some of my reference materials to see if I missed something.
>
> W8OKN
>
> ----- Original Message -----
> From: Mark Blanton
> To: ham-antennas@yahoogroups.com
> Sent: Friday, November 21, 2008 4:49 PM
> Subject: [ham-antennas] Re: radial/counterpoise
>
>
> A radial IS a counterpoise. A counterpoise is the so-called missing
> half of a vertical whether it is one wire or many or a copper wire mesh
> screen laid out on the ground. If I remember correctly the
> term "radial" comes from having a set of wires arranged around the base

> of a vertical antenna in such a manner that they "radiate" out
from the
> center like the spokes on a bicycle tire.
>
> Mark WC5M
>
> <wa6es@> wrote:
> >
> > Question is
> > When is a radial a counterpoise? In other words if you have a
> > wire/radial elevated above ground around 12 inches or more is
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> > radial, a counterpoise or other leg of a dipole. The other wire
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> > be connected to a 40 ft vertical wire. If this would be
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> the
> > other leg of a dipole I would assume that this leg would not
have to
> > be grounded, am I correct in this?. The center/tie point would
be
> > connected to a 1:1 balun. I am not sure so I figured I would
come to
> > the pool.
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> > Thanks
> > Rick/WA6ES
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>
> [Non-text portions of this message have been removed]
>

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[Non-text portions of this message have been removed]

6897. Re: [ham-antennas] Re: radial/counterpoise

Yahoo group: ham-antennas (2008)
Date: 2008-11-22 04:56:04 UTC
From: W8OKN Sean
Topic: 6878 Message: 6897

Counterpoise?
On the Use and Abuse of a Word
L. B. Cebik, W4RNL

The term counterpoise has a long history in antenna engineering and amateur practice. Today, it may be among the most misused terms in amateur circles. Indeed, if we examine both the history of the term, its meaning, and its misuses, we might reach an interesting conclusion: there is no such thing as a counterpoise in antenna analysis, even though the term has a long and somewhat respectable use in antenna engineering.

Although my bookshelf has many gaps and covers antenna history in fits and spurts, we can detect some trends in the use of the terms, along with the seeds of misuse. Therefore, let's begin with a small informal history of the term counterpoise.

http://www.antennex.com/shack/Dec06/cps.html

[Non-text portions of this message have been removed]

6898. Re: [ham-antennas] Re: radial/counterpoise

Yahoo group: ham-antennas (2008)
Date: 2008-11-22 14:41:01 UTC
From: vaclav sal
Topic: 6878 Message: 6898

I think the term "counterpoise" originated and is primarily used when the ordinary in-line, co-linear dipole half is no longer physically in line. Rearranging the dipole half in other than in-line affect dipole properties, one of them being the radiating pattern. Orient the dipole half's in 90 degree angle (either horizontally or vertically) and see what the model shows.
It may not be a scientific term, but it tells me that I no longer have a plain ordinary dipole configuration. Just help-full term, I guess.
73 Vaclav AA7EJ

PS And since this sounds more like splitting hair - here is another one for the group.
Does an antenna have "radiating" or "radiation" pattern?

[Non-text portions of this message have been removed]

6899. Re: Odd-multiple resonance

Yahoo group: ham-antennas (2008)
Date: 2008-11-22 15:07:49 UTC
From: Norm Blitch
Topic: 6829 Message: 6899

Steve,
Point taken re Modeling...
In Truth, however, as of last night, just before Local sundown, the dipole(s) IS working on 20, 30 (my first Q on 30!)... 40 seemed dead at the time, maybe a tad early to use? No SWR analysis yet, so no pruning. All things considered, VERY happy with the antenna (based on the AlphaDelta center connector) towering 12' AGL at the hoist... Now on to a 40' push pole!!
73 de Norm KE4GAH
>Anyway, either way you go, up or down, if you are designing an antenna,
>and want to know what it is capable of, that software can help. True, it
>is only a model, and can't possibly predict every scenario. But it sure
>can save a ton of wire

6900. Re: [ham-antennas] Be Careful How You List Names In Your Cell Phone

Yahoo group: ham-antennas (2008)
Date: 2008-11-22 16:07:37 UTC
From: Steve/WM5Z
Topic: 6877 Message: 6900

Makes me think of that line that says "just because I'm paranoid doesn't mean they aren't spying on me".

Steve/WM5Z

jeff wrote:
> Excellent advice.
>
> Allow me to amplify: don't list ANYTHING.
>
> I'm also agitated that ham licensing info gets publicly listed. Do I
> really want anybody knowing what I do or equipment I might have at that
> particular address?
>
> It's almost as silly as nurses having RN plates. Invitation for theft
> (or worse).
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>
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>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 1446 members (as of 9/26/08, and attachments are NOT permitted.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
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>

6901. Re: [ham-antennas] Re: radial/counterpoise

Yahoo group: ham-antennas (2008)
Date: 2008-11-22 16:59:05 UTC
From: Steve/WM5Z
Topic: 6878 Message: 6901

One of my author/design hero says this;

<http://www.antennex.com/shack/Dec06/cps.html>

Note his opening statement. Hope this helps.

Steve/WM5Z DM62oh, Las Cruces, NM
WM5Z-1 APRS IGate,
WM5Z-2, Home Base APRS,
WM5Z-3, RV APRS
WM5Z-4 POV APRS
WM5Z-15 Weather Station APRS CWOP

The humble ramblings of an old fart, and should not be taken seriously by any intelligent life form.

W8OKN Sean wrote:
> The point I was trying to make is that "counterpoise" is more of a ham radio term, not a scientific term. The common use by hams suggests that it means the other end of the dipole. Or some refer to it as the "network of wires to act as a ground" which sounds like a radial system.
>
> But go to a commercial antenna reference manual and you'll not likely see the term used professionally. Later tomorrow, I'll do a search in some of my reference materials to see if I missed something.
>
> W8OKN
>
> ----- Original Message -----
> From: Mark Blanton
> To: ham-antennas@yahoogroups.com
> Sent: Friday, November 21, 2008 4:49 PM
> Subject: [ham-antennas] Re: radial/counterpoise
>
>
> A radial IS a counterpoise. A counterpoise is the so-called missing
> half of a vertical whether it is one wire or many or a copper wire mesh
> screen laid out on the ground. If I remember correctly the
> term "radial" comes from having a set of wires arranged around the base
> of a vertical antenna in such a manner that they "radiate" out from the
> center like the spokes on a bicycle tire.
>
> Mark WC5M
>
> <wa6es@...> wrote:
> >

> > Question is
> > When is a radial a counterpoise? In other words if you have a
> > wire/radial elevated above ground around 12 inches or more is this a
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> > other leg of a dipole I would assume that this leg would not have to
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> > connected to a 1:1 balun. I am not sure so I figured I would come to
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> >
> > Thanks
> > Rick/WA6ES
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>
>
> [Non-text portions of this message have been removed]
>
>
> ---
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 1446
members (as of 9/26/08, and attachments are NOT permitted.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
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6902. Introduction

Yahoo group: ham-antennas (2008)
Date: 2008-11-22 22:06:41 UTC
From: J Sullivan
Topic: 6902 Message: 6902

I have been a ham twice, the first time back in the days when it was a one-year term, 75-watts & xtal control, most recently as a Technician. I lost interest in the transmitting aspect of the hobby after I had the chance to move to a very high location in Central New Jersey where I got to indulge my monitoring interests, first with military aircrtaft, then with low-band skip & most recently with operating 2 railroad scanner mp3 streams on the Internet.

I wasted less than a year before putting up an ICOM discone on my chimney fed with 1/2" hardline to my ICOM R-7000. I've since experimented with a range of different antenna types:

Create LPDAs (both horizontal & vertical polarization on rotators)
6-Meter rhombic (concept only. I have a big back yard!)
AS-3886/TRC-191 SINCGARS discone (30-88 MHz, in attic)
OE-254/GRC bicone (on rear deck)
2 Traintennas (160-162 MHz gain verticals) fed with Belden 9913
Helical UHF antenna for MILSATCOM (homebrew project that was published in Monitoring Times)
AS-3900A/VRC SINCGARS HUMVEE antenna (another fine RA Miller Industries product)

Pending the start of the next sunspot cycle, I spend most of my time listening to the area railroad chatter from the Motorola GM-300 transceiver that is the basis for one of my streams while my BC-895XLT patiently scans for military skip (151.4 Hz CTCSS decode).

I have become interested in novel wideband antenna designs & spend most of my time searching US Patents on novel antenna designs.

The bulk of my skip loggings have been ham signals - 10-meter FM from Japan, Africa, Germany, the Carribean & India, 6-FM.

Jack

6903. RE: [ham-antennas] Introduction

Yahoo group: ham-antennas (2008)
Date: 2008-11-22 22:49:13 UTC
From: Callum M0MCX
Topic: 6902 Message: 6903

Great story Jack. Like you I am looking forward to a sunspot maximum since I have never been in the RF hobby during this time. This is my third venture into radio and I'm gonna make sure I have at least one sunspot maximum!

Cheers from Birmingham,

Callum McCormick

http://www.m0mcx.co.uk/

Some people ask me what M0MCX means. It stands for Mike Zero Mike Charlie Xray; a callsign assigned to me by the Office of Communication (Ofcom). I have a callsign because I'm an amateur radio operator (ham radio). It doesn't stand for my MOM and the 0 in the callsign isn't a frigging O for Orange (we say Oscar), it's a ZERO. My MOM has nothing to do with my email address, OK? Thanks.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of J Sullivan
Sent: 22 November 2008 22:07
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Introduction

I have been a ham twice, the first time back in the days when it was a one-year term, 75-watts & xtal control, most recently as a Technician. I lost interest in the transmitting aspect of the hobby after I had the chance to move to a very high location in Central New Jersey where I got to indulge my monitoring interests, first with military aircrtaft, then with low-band skip & most recently with operating 2 railroad scanner mp3 streams on the Internet.

I wasted less than a year before putting up an ICOM discone on my chimney fed with 1/2" hardline to my ICOM R-7000. I've since experimented with a range of different antenna types:

Create LPDAs (both horizontal & vertical polarization on rotators)
6-Meter rhombic (concept only. I have a big back yard!)
AS-3886/TRC-191 SINCGARS discone (30-88 MHz, in attic)
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Helical UHF antenna for MILSATCOM (homebrew project that was published in Monitoring Times)
AS-3900A/VRC SINCGARS HUMVEE antenna (another fine RA Miller Industries product)

Pending the start of the next sunspot cycle, I spend most of my time listening to the area railroad chatter from the Motorola GM-300

transceiver that is the basis for one of my streams while my BC-895XLT patiently scans for military skip (151.4 Hz CTCSS decode).

I have become interested in novel wideband antenna designs & spend most of my time searching US Patents on novel antenna designs.

The bulk of my skip loggings have been ham signals - 10-meter FM from Japan, Africa, Germany, the Carribean & India, 6-FM.

Jack

[Non-text portions of this message have been removed]

6904. Re: Introduction

Yahoo group: ham-antennas (2008)
Date: 2008-11-22 23:32:35 UTC
From: J Sullivan
Topic: 6902 Message: 6904

Hi Callum & thanks!

The last cycle was pretty good but I'm told it didn't hold a candle to the one before.

As one example of what you can expect, 2 hours after local sunset here on the East Coast puts the sun over the mid-Pacific & it's very early AM in Japan. I could typically log a dozen JA stations on 29.60 MHz within 30 minutes, with no US domestic stations in evidence. And it was a real hoot to listen to 37 MHz taxis & taxi dispatchers from Rio de Janeiro on almost a daily basis. And Argentinian hams were also common on 10 meters. It is definitely an experience to look forward to & plan for.

If you notice most of my low-band antennas are broadband, a real necessity when you are hunting for signals anywhere between 25 & 100 MHz. Polarization is not critical but having a resonant antenna system or two is a must.

BC station harmonics were also common above 30 MHz. BBC, VOA, Deutsche Welle, etc. It pays to have an all mode reciver when you catch AM signals as well as a directory of HF BC stations. And another plus is having a receiver than can decode & report CTCSS tones, which are pretty standard in this hemisphere.

Good luck & let us know when you start hearing skip.

Jack

--- In ham-antennas@yahoogroups.com, "Callum M0MCX" <callum@...>
wrote:
>
> Great story Jack. Like you I am looking forward to a sunspot
maximum since I
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> into radio and I'm gonna make sure I have at least one sunspot
maximum!
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>
>
> Cheers from Birmingham,
>
>
>
> Callum McCormick
>

> http://www.m0mcx.co.uk/
>
>
>
> Some people ask me what M0MCX means. It stands for Mike Zero Mike
Charlie
> Xray; a callsign assigned to me by the Office of Communication
(Ofcom). I
> have a callsign because I'm an amateur radio operator (ham radio).
It
> doesn't stand for my MOM and the 0 in the callsign isn't a
frigging O for
> Orange (we say Oscar), it's a ZERO. My MOM has nothing to do with
my email
> address, OK? Thanks.
>
>
>
> From: ham-antennas@yahoogroups.com [mailto:ham-
antennas@yahoogroups.com] On
> Behalf Of J Sullivan
> Sent: 22 November 2008 22:07
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] Introduction
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>
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>
> Jack
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

6905. Re: 6m/10m FM Clandestine antenna

Yahoo group: ham-antennas (2008)
Date: 2008-11-23 21:14:47 UTC
From: ikkefestbrems1
Topic: 6784 Message: 6905

Make it look like something else!
Nobody will say anything about a flagpole or two. You can either get one in plastics/fiberglass and fit a radiating element inside or get a metal tupe make a insulating base tune it to lenght and fit endcap annd a flag.
You probably have to make one for each band but that will show that your very patriotic :-)

6906. Re: [ham-antennas] Re: 6m/10m FM Clandestine antenna

Yahoo group: ham-antennas (2008)
Date: 2008-11-23 21:28:15 UTC
From: Paul V Birke PEng
Topic: 6784 Message: 6906

you could at least have the Stars and Stripes and your State Flag without too much notice

best wishes
Paul

From: ikkefestbrems1 <ikkefestbrems1@...>
To: ham-antennas@yahoogroups.com
Sent: Sunday, November 23, 2008 4:14:47 PM
Subject: [ham-antennas] Re: 6m/10m FM Clandestine antenna

Make it look like something else!
Nobody will say anything about a flagpole or two. You can either get
one in plastics/fiberglass and fit a radiating element inside or get a
metal tupe make a insulating base tune it to lenght and fit endcap annd
a flag.
You probably have to make one for each band but that will show that
your very patriotic :-)

[Non-text portions of this message have been removed]

6907. Re: [ham-antennas] Re: 6m/10m FM Clandestine antenna

Yahoo group: ham-antennas (2008)
Date: 2008-11-23 22:25:02 UTC
From: vlincoln
Topic: 6784 Message: 6907

and with two, you could even make a phased array vertical.
a real plus. goes broadside, or off either selectable end.
wd8aam

At 21:14 11/23/2008, you wrote:

>Make it look like something else!
>Nobody will say anything about a flagpole or two. You can either get
>one in plastics/fiberglass and fit a radiating element inside or get a
>metal tupe make a insulating base tune it to lenght and fit endcap annd
>a flag.
>You probably have to make one for each band but that will show that
>your very patriotic :-)
>
>

[Non-text portions of this message have been removed]

6908. Antenna ideas

Yahoo group: ham-antennas (2008)
Date: 2008-11-23 22:47:46 UTC
From: Matthew
Topic: 6908 Message: 6908

Hello,
Dose anyone know of a antenna that I could put up that will not make my landlord pissed off. He will not let me put up anything. Do they make like an antenna that I can put in an window? Please email me any Ideas.

Thank you
Matthew KC9LYB

6909. AW: [ham-antennas] Antenna ideas

Yahoo group: ham-antennas (2008)
Date: 2008-11-23 22:51:21 UTC
From: Siegfried Jackstien
Topic: 6908 Message: 6909

what about a flagpole
greetz
dg9bfc
-----Ursprüngliche Nachricht-----
Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]Im Auftrag von Matthew
Gesendet: Sonntag, 23. November 2008 23:48
An: ham-antennas@yahoogroups.com
Betreff: [ham-antennas] Antenna ideas

Hello,
Dose anyone know of a antenna that I could put up that will not make my landlord pissed off. He will not let me put up anything. Do they make like an antenna that I can put in an window? Please email me any Ideas.

Thank you
Matthew KC9LYB

[Non-text portions of this message have been removed]

6910. 2 meters on a motorcycle

Yahoo group: ham-antennas (2008)
Date: 2008-11-23 23:02:40 UTC
From: rrath
Topic: 6910 Message: 6910

Hello to the list. I plan to use my motorcycle in next years local Marathon for radio communications. Can you give me an idea on the antenna. No ground plane on a motorcycle. I know Motorcycle Police do have an antenna on their bikes. Anyone willing to help me out here? Thank you.

Rod

6911. Re: [ham-antennas] Antenna ideas

Yahoo group: ham-antennas (2008)
Date: 2008-11-23 23:05:10 UTC
From: Alan
Topic: 6908 Message: 6911

What bands are u wanting. There are a few clandestine antennas out there...and some you can build. It just depends on what and where you want to operate. Always remember a poor antenna is better than no antenna...73, Alan
>
>
> .
>
>

[Non-text portions of this message have been removed]

6912. Re: [ham-antennas] 2 meters on a motorcycle

Yahoo group: ham-antennas (2008)
Date: 2008-11-23 23:14:09 UTC
From: Paul
Topic: 6910 Message: 6912

Rod,

Depends a lot on your bike, your radio and what you want to do with it.

I have my Yaesu FTM 10R on my Harley Ultra. I separated the head end from the body, mounted the body in the Tour Pak, head end is on the handle bars, external speaker is on the handle bars, use a no ground plane 1/2 wave antenna and it works fine.

If you have "naked" style bike, mounting the radio and antenna my be a problem, also you may need to check the charging system. Most ham radios are not to bad on RX but will pull 20+ amps on TX. Can your bike handle that? A lot of the smaller bikes or "crotch rockets" cannot.

It is fun to reply to some one that you are "Motorcycle Mobil". They usually don't want to believe it.

Paul

rrath wrote:
>
> Hello to the list. I plan to use my motorcycle in next
> years local Marathon for radio communications. Can
> you give me an idea on the antenna. No ground plane
> on a motorcycle. I know Motorcycle Police do have an
> antenna on their bikes. Anyone willing to help me out
> here? Thank you.
>
> Rod
>
>

[Non-text portions of this message have been removed]

6913. Re: [ham-antennas] Antenna ideas

Yahoo group: ham-antennas (2008)
Date: 2008-11-23 23:25:08 UTC
From: ke7jsl@yahoo.com
Topic: 6908 Message: 6913

>>Do they
make like an antenna that I can put in an window?

Google hf loop antennas. I hear they work real well. MFJ has several "apartment" style antennas. Hope that helps.

John
KE7JSL
Sent via BlackBerry from T-Mobile

6914. Re: [ham-antennas] 2 meters on a motorcycle

Yahoo group: ham-antennas (2008)
Date: 2008-11-23 23:33:05 UTC
From: rrath
Topic: 6910 Message: 6914

Thank you Paul. I ride a 2007 Yamaha V Star 1100
with leather saddlebags. I just mounted a NMO mount
on the upper left corner of my license plate and it
seams to be pretty solid. I can use either a Icom 2000
or a Kenwood V7a and separate the body and head
like you did. I am hoping to get by with 5 watts. The
repeater is about in the middle of the Marathon, but
the Marathon is in a canyon. I will look at buying a 1/2
wave antenna. Motor noise, have any?

Rod

6915. Re: 2 meters on a motorcycle

Yahoo group: ham-antennas (2008)
Date: 2008-11-23 23:44:26 UTC
From: Scott Laughlin
Topic: 6910 Message: 6915

Hi Rod,

I've run 2m APRS on a motorcycle for several years. A J-pole has worked best for me. I've built several from 300 Ohm twin lead and slip it inside a section of 1" pvc. You can go to 10 Watts on the twin lead, maybe more if you do short transmissions. Sometimes the SWRs are erratic on that antenna, so choose enough coax so you can make a decoupling coil, four loops six inches across and close to feed point will usually take care of that.

If you need plans for that J-pole let me know and I'll rush them to you.

If you need ideas on a mic, ear buds, PTT switches etc. and such you might consider joining the Bicycle Mobile Hams of America on Yahoo. They have a fifteen year history of what's worked for them. What works on a bicycle will certainly work on a mtorcycle. The newsletter editor has a couple of Goldwings that are radio active. You'll find his call on the home page. He'll be delighted you asked.

I hope this has helped.

73 de Scott/n7net

--- In ham-antennas@yahoogroups.com, "rrath" <rrath@...> wrote:
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> Rod
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6916. Re: [ham-antennas] 2 meters on a motorcycle

Yahoo group: ham-antennas (2008)
Date: 2008-11-24 00:04:36 UTC
From: Paul
Topic: 6910 Message: 6916

Rod,

Remember, for good communications Antenna! Antenna! Antenna!

The V Star should handle the radio electrics easily.

No alternator noise at all, however, I did install a Kenwood PG-3B Noise Filter on the power line to the radio and wired the radio directly to the battery.

Paul

rrath wrote:
> Thank you Paul. I ride a 2007 Yamaha V Star 1100
> with leather saddlebags. I just mounted a NMO mount
> on the upper left corner of my license plate and it
> seams to be pretty solid. I can use either a Icom 2000
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> repeater is about in the middle of the Marathon, but
> the Marathon is in a canyon. I will look at buying a 1/2
> wave antenna. Motor noise, have any?
>
> Ro

6917. RE: [ham-antennas] Re: Introduction

Yahoo group: ham-antennas (2008)
Date: 2008-11-24 00:07:21 UTC
From: Callum M0MCX
Topic: 6902 Message: 6917

Jack, at the height of the cycle, 20m is clearly open 24 hours per day. I☐m trying to judge where it ends; can one work DX on 10m 24 hours per day ☐ or will 10m shut after sun down?

Cheers,

Callum McCormick
http://www.m0mcx.co.uk/

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of J Sullivan
Sent: 22 November 2008 23:33
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: Introduction

Hi Callum & thanks!

The last cycle was pretty good but I'm told it didn't hold a candle to the one before.

As one example of what you can expect, 2 hours after local sunset here on the East Coast puts the sun over the mid-Pacific & it's very early AM in Japan. I could typically log a dozen JA stations on 29.60 MHz within 30 minutes, with no US domestic stations in evidence. And it was a real hoot to listen to 37 MHz taxis & taxi dispatchers from Rio de Janeiro on almost a daily basis. And Argentinian hams were also common on 10 meters. It is definitely an experience to look forward to & plan for.

If you notice most of my low-band antennas are broadband, a real necessity when you are hunting for signals anywhere between 25 & 100 MHz. Polarization is not critical but having a resonant antenna system or two is a must.

BC station harmonics were also common above 30 MHz. BBC, VOA, Deutsche Welle, etc. It pays to have an all mode reciver when you catch AM signals as well as a directory of HF BC stations. And another plus is having a receiver than can decode & report CTCSS tones, which are pretty standard in this hemisphere.

Good luck & let us know when you start hearing skip.

Jack

--- In ham-antennas@yahoogroups.com, "Callum M0MCX" <callum@...>
wrote:
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> Great story Jack. Like you I am looking forward to a sunspot

maximum since I
> have never been in the RF hobby during this time. This is my third
venture
> into radio and I'm gonna make sure I have at least one sunspot
maximum!
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> Cheers from Birmingham,
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> Callum McCormick
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> http://www.m0mcx.co.uk/
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>
> Some people ask me what M0MCX means. It stands for Mike Zero Mike
Charlie
> Xray; a callsign assigned to me by the Office of Communication
(Ofcom). I
> have a callsign because I'm an amateur radio operator (ham radio).
It
> doesn't stand for my MOM and the 0 in the callsign isn't a
frigging O for
> Orange (we say Oscar), it's a ZERO. My MOM has nothing to do with
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> Sent: 22 November 2008 22:07
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> I have been a ham twice, the first time back in the days when it
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> [Non-text portions of this message have been removed]
>

6918. RE: [ham-antennas] Re: Introduction

Yahoo group: ham-antennas (2008)
Date: 2008-11-24 01:33:09 UTC
From: Jack Sullivan
Topic: 6902 Message: 6918

It varies, Callum. Hard to predict. Just enjoy.
?
Jack

--- On Sun, 11/23/08, Callum M0MCX <callum@...> wrote:

From: Callum M0MCX <callum@...>
Subject: RE: [ham-antennas] Re: Introduction
To: ham-antennas@yahoogroups.com
Date: Sunday, November 23, 2008, 7:07 PM

Jack, at the height of the cycle, 20m is clearly open 24 hours per day. I?m trying to judge where it ends; can one work DX on 10m 24 hours per day ? or will 10m shut after sun down?

Cheers,

Callum McCormick
http://www.m0mcx. co.uk/

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Sent: 22 November 2008 23:33
To: ham-antennas@ yahoogroups. com
Subject: [ham-antennas] Re: Introduction

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> Some people ask me what M0MCX means. It stands for Mike Zero Mike
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It
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> From: ham-antennas@ yahoogroups. com [mailto:ham-
antennas@yahoogroup s.com] On
> Behalf Of J Sullivan
> Sent: 22 November 2008 22:07
> To: ham-antennas@ yahoogroups. com
> Subject: [ham-antennas] Introduction
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> Jack
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> [Non-text portions of this message have been removed]

>

[Non-text portions of this message have been removed]

6919. Re: [ham-antennas] 2 meters on a motorcycle

Yahoo group: ham-antennas (2008)
Date: 2008-11-24 02:37:04 UTC
From: Steve/WM5Z
Topic: 6910 Message: 6919

You have to look at something like a marine antenna. These are usually end fed 1/2 wave antenna. If it will work on a fiberglass boat or car, that is what you need.

Steve/WM5Z DM62oh, Las Cruces, NM

The humble ramblings of an old fart, and should not be taken seriously by any intelligent life form.

rrath wrote:
> Hello to the list. I plan to use my motorcycle in next
> years local Marathon for radio communications. Can
> you give me an idea on the antenna. No ground plane
> on a motorcycle. I know Motorcycle Police do have an
> antenna on their bikes. Anyone willing to help me out
> here? Thank you.
>
> Rod
>
> ---
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 1446 members (as of 9/26/08, and attachments are NOT permitted.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
>
>

6920. RE: [ham-antennas] 2 meters on a motorcycle

Yahoo group: ham-antennas (2008)
Date: 2008-11-24 03:05:50 UTC
From: Richard Schmuke
Topic: 6910 Message: 6920

Steve is correct , I had a marine antenna for CB on my motorcycle back in the mid 70□s , before it was common. Mine was for a corvette (fiberglass body).

Rich , KDØZZ

Disclaimer: Any errors in spelling or facts are transmission errors.

Subject: Re: [ham-antennas] 2 meters on a motorcycle

You have to look at something like a marine antenna. These are usually end fed 1/2 wave antenna. If it will work on a fiberglass boat or car, that is what you need.

Steve/WM5Z DM62oh, Las Cruces, NM

The humble ramblings of an old fart, and should not be taken seriously by any intelligent life form.

rrath wrote:
> Hello to the list. I plan to use my motorcycle in next
> years local Marathon for radio communications. Can
> you give me an idea on the antenna. No ground plane
> on a motorcycle. I know Motorcycle Police do have an
> antenna on their bikes. Anyone willing to help me out
> here? Thank you.
>
> Rod
>
> ---
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
to ALL 1446 members (as of 9/26/08, and attachments are NOT permitted.
> Post message: ham-antennas@yahoogroups.com
<mailto:ham-antennas%40yahoogroups.com>
> Subscribe: ham-antennas-subscribe@yahoogroups.com
<mailto:ham-antennas-subscribe%40yahoogroups.com>
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
<mailto:ham-antennas-unsubscribe%40yahoogroups.com>
> List owner: ham-antennas-owner@yahoogroups.com
<mailto:ham-antennas-owner%40yahoogroups.com>
> Yahoo! Groups Links
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[Non-text portions of this message have been removed]

6921. RE: [ham-antennas] Re: Introduction

Yahoo group: ham-antennas (2008)
Date: 2008-11-24 12:45:43 UTC
From: MIKE DURKIN
Topic: 6902 Message: 6921

To my memory it used to shut down .. but a a couple hours after sundown ... during the peak .... there were also one month that it was all nite too .... loved it because i was working graveyard during that time and on the weekends i didnt change my sleeping schedule to work 10Meters !!!

To: ham-antennas@yahoogroups.com
From: callum@...
Date: Mon, 24 Nov 2008 00:07:21 +0000
Subject: RE: [ham-antennas] Re: Introduction

Jack, at the height of the cycle, 20m is clearly open 24 hours per day. I?m

trying to judge where it ends; can one work DX on 10m 24 hours per day ? or

will 10m shut after sun down?

Cheers,

Callum McCormick

http://www.m0mcx.co.uk/

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On

Behalf Of J Sullivan

Sent: 22 November 2008 23:33

To: ham-antennas@yahoogroups.com

Subject: [ham-antennas] Re: Introduction

Hi Callum & thanks!

The last cycle was pretty good but I'm told it didn't hold a candle

to the one before.

As one example of what you can expect, 2 hours after local sunset

here on the East Coast puts the sun over the mid-Pacific & it's very

early AM in Japan. I could typically log a dozen JA stations on

29.60 MHz within 30 minutes, with no US domestic stations in

evidence. And it was a real hoot to listen to 37 MHz taxis & taxi

dispatchers from Rio de Janeiro on almost a daily basis. And

Argentinian hams were also common on 10 meters. It is definitely an experience to look forward to & plan for.

If you notice most of my low-band antennas are broadband, a real necessity when you are hunting for signals anywhere between 25 & 100 MHz. Polarization is not critical but having a resonant antenna system or two is a must.

BC station harmonics were also common above 30 MHz. BBC, VOA, Deutsche Welle, etc. It pays to have an all mode reciver when you catch AM signals as well as a directory of HF BC stations. And another plus is having a receiver than can decode & report CTCSS tones, which are pretty standard in this hemisphere.

Good luck & let us know when you start hearing skip.

Jack

--- In ham-antennas@yahoogroups.com, "Callum M0MCX" <callum@...> wrote:

>

> Great story Jack. Like you I am looking forward to a sunspot maximum since I

> have never been in the RF hobby during this time. This is my third venture

> into radio and I'm gonna make sure I have at least one sunspot maximum!

>

>

>

> Cheers from Birmingham,

>

>

>

> Callum McCormick

>

> http://www.m0mcx.co.uk/

>

>

>

> Some people ask me what M0MCX means. It stands for Mike Zero Mike

Charlie

> Xray; a callsign assigned to me by the Office of Communication

(Ofcom). I

> have a callsign because I'm an amateur radio operator (ham radio).

It

> doesn't stand for my MOM and the 0 in the callsign isn't a

frigging O for

> Orange (we say Oscar), it's a ZERO. My MOM has nothing to do with

my email

> address, OK? Thanks.

>

>

>

> From: ham-antennas@yahoogroups.com [mailto:ham-

antennas@yahoogroups.com] On

> Behalf Of J Sullivan

> Sent: 22 November 2008 22:07

> To: ham-antennas@yahoogroups.com

> Subject: [ham-antennas] Introduction

>

>

>

> I have been a ham twice, the first time back in the days when it
was a
> one-year term, 75-watts & xtal control, most recently as a
Technician.
> I lost interest in the transmitting aspect of the hobby after I
had
> the chance to move to a very high location in Central New Jersey
where
> I got to indulge my monitoring interests, first with military
> aircrtaft, then with low-band skip & most recently with operating
2
> railroad scanner mp3 streams on the Internet.
>
> I wasted less than a year before putting up an ICOM discone on my
> chimney fed with 1/2" hardline to my ICOM R-7000. I've since
> experimented with a range of different antenna types:
>
> Create LPDAs (both horizontal & vertical polarization on rotators)
> 6-Meter rhombic (concept only. I have a big back yard!)
> AS-3886/TRC-191 SINCGARS discone (30-88 MHz, in attic)
> OE-254/GRC bicone (on rear deck)
> 2 Traintennas (160-162 MHz gain verticals) fed with Belden 9913
> Helical UHF antenna for MILSATCOM (homebrew project that was
published
> in Monitoring Times)
> AS-3900A/VRC SINCGARS HUMVEE antenna (another fine RA Miller
> Industries product)
>
> Pending the start of the next sunspot cycle, I spend most of my

time

> listening to the area railroad chatter from the Motorola GM-300

> transceiver that is the basis for one of my streams while my BC-

895XLT

> patiently scans for military skip (151.4 Hz CTCSS decode).

>

> I have become interested in novel wideband antenna designs & spend

> most of my time searching US Patents on novel antenna designs.

>

> The bulk of my skip loggings have been ham signals - 10-meter FM

from

> Japan, Africa, Germany, the Carribean & India, 6-FM.

>

> Jack

>

>

>

>

>

> [Non-text portions of this message have been removed]

>

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http://windowslive.com/Explore/Hotmail?ocid=TXT_TAGLM_WL_hotmail_acq_safety_112008

[Non-text portions of this message have been removed]

6922. RE: [ham-antennas] Re: Introduction

Yahoo group: ham-antennas (2008)
Date: 2008-11-24 14:12:08 UTC
From: Callum M0MCX
Topic: 6902 Message: 6922

There's a challenge then, finding a day with a 24 hour slot on 10m!

Callum McCormick
http://www.m0mcx.co.uk/

-----Original Message-----
From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On
Behalf Of MIKE DURKIN
Sent: 24 November 2008 12:46
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Re: Introduction

To my memory it used to shut down .. but a a couple hours after sundown ...
during the peak .... there were also one month that it was all nite too ....
loved it because i was working graveyard during that time and on the
weekends i didnt change my sleeping schedule to work 10Meters !!!

To: ham-antennas@yahoogroups.com
From: callum@...
Date: Mon, 24 Nov 2008 00:07:21 +0000
Subject: RE: [ham-antennas] Re: Introduction

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per day. I'm

trying to judge where it ends; can one work DX on 10m 24 hours per day - or

will 10m shut after sun down?

Cheers,

Callum McCormick

http://www.m0mcx.co.uk/

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On

Behalf Of J Sullivan

Sent: 22 November 2008 23:33

To: ham-antennas@yahoogroups.com

Subject: [ham-antennas] Re: Introduction

Hi Callum & thanks!

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to the one before.

As one example of what you can expect, 2 hours after local sunset here on the East Coast puts the sun over the mid-Pacific & it's very early AM in Japan. I could typically log a dozen JA stations on 29.60 MHz within 30 minutes, with no US domestic stations in evidence. And it was a real hoot to listen to 37 MHz taxis & taxi dispatchers from Rio de Janeiro on almost a daily basis. And Argentinian hams were also common on 10 meters. It is definitely an experience to look forward to & plan for.

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Good luck & let us know when you start hearing skip.

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> Cheers from Birmingham,

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> Callum McCormick

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> http://www.m0mcx.co.uk/

>

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>

> Some people ask me what M0MCX means. It stands for Mike Zero Mike

Charlie

> Xray; a callsign assigned to me by the Office of Communication

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> Orange (we say Oscar), it's a ZERO. My MOM has nothing to do with

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> address, OK? Thanks.

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antennas@yahoogroups.com] On

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> Sent: 22 November 2008 22:07

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> I lost interest in the transmitting aspect of the hobby after I

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> I got to indulge my monitoring interests, first with military

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> Create LPDAs (both horizontal & vertical polarization on rotators)

> 6-Meter rhombic (concept only. I have a big back yard!)

> AS-3886/TRC-191 SINCGARS discone (30-88 MHz, in attic)

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> Jack

>

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>

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>

> [Non-text portions of this message have been removed]

>

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http://windowslive.com/Explore/Hotmail?ocid=TXT_TAGLM_WL_hotmail_acq_safety_112008

[Non-text portions of this message have been removed]

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 1446 members (as of 9/26/08, and attachments are NOT permitted.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

6923. Recommendations for Long Coax Run

Yahoo group: ham-antennas (2008)
Date: 2008-11-25 13:53:49 UTC
From: johnsobryan
Topic: 6923 Message: 6923

Hi - I have a rather long run between my operating station and my vertical antenna that I'm proposing to install. The total length will be 360 feet of coax to get out to the field where I will install a vertical antenna (most likely the ZeroFive vertical).

I operate mostly on 20M, 17M, 40M running a Kenwood 930s.

Question - I'm looking for recommendations on coax for long runs and realizing it's a long run, something that won't break the bank either. I will propose to bury the cable for about 100 feet of the run, and it must go across my roof which is metal.

I have a bunch of cable TV coax (RG6/U) lying around that I could use but I'm not sure if the losses would be too great using the RG6.

Has anyone run several hundred feet of coax and if so, what did you end up using as the coax of choice?

Thanks very much.

6924. Re: [ham-antennas] Recommendations for Long Coax Run

Yahoo group: ham-antennas (2008)
Date: 2008-11-25 14:35:42 UTC
From: danny garvin
Topic: 6923 Message: 6924

RG6 has low loss but I would try to use ladder line if possable the loss of RG6 for that run would be 2.5 db on 40m, 3.5 db on 20m, 4.0db on 17m. At 3db you are loosing 1/2 your power before you get to the antenna. With ladder line the losses would be 0.6db on 40, 0.882 on 20m, 1.007 on 17m as you can see a major difference. hope this helps.
Danny
   WB9RIM

From: johnsobryan <johnsobryan@...>
To: ham-antennas@yahoogroups.com
Sent: Tuesday, November 25, 2008 7:53:49 AM
Subject: [ham-antennas] Recommendations for Long Coax Run

Hi - I have a rather long run between my operating station and my vertical antenna that I'm proposing to install. The total length will be 360 feet of coax to get out to the field where I will install a vertical antenna (most likely the ZeroFive vertical).

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Has anyone run several hundred feet of coax and if so, what did you end up using as the coax of choice?

Thanks very much.

[Non-text portions of this message have been removed]

6925. Re: [ham-antennas] Recommendations for Long Coax Run

Yahoo group: ham-antennas (2008)
Date: 2008-11-25 14:57:24 UTC
From: Leonard K. Pennock
Topic: 6923 Message: 6925

This calculator may help you. <http://www.ocarc.ca/coax.htm>

johnsobryan wrote:
> Hi - I have a rather long run between my operating station and my
> vertical antenna that I'm proposing to install. The total length
> will be 360 feet of coax to get out to the field where I will install
> a vertical antenna (most likely the ZeroFive vertical).
>
> I operate mostly on 20M, 17M, 40M running a Kenwood 930s.
>
> Question - I'm looking for recommendations on coax for long runs and
> realizing it's a long run, something that won't break the bank
> either. I will propose to bury the cable for about 100 feet of the
> run, and it must go across my roof which is metal.
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> but I'm not sure if the losses would be too great using the RG6.
>
> Has anyone run several hundred feet of coax and if so, what did you
> end up using as the coax of choice?
>
> Thanks very much.
>

--
Leonard K. Pennock
AD7AS

Those who walk bravely through life, unafraid of loss or failure,
find that they very rarely lose or fail.

6926. Re: [ham-antennas] Recommendations for Long Coax Run

Yahoo group: ham-antennas (2008)
Date: 2008-11-25 15:15:40 UTC
From: Steve/WM5Z
Topic: 6923 Message: 6926

Well, since he is wanting to go across his metal roof, and since he
wants to bury the feedline for at least 100 feet, this is not feasible
for him.

Although my runs both are only at 120' I use LMR400. My vertical is an
AV620 and it is at 125' of coax. The dipole has 120' of coax, that goes
to the tower, and some made into an RF choke at ground level.

If you could afford bigger, I'd sure go with it.

Steve/WM5Z DM62oh, Las Cruces, NM
WM5Z-1 APRS IGate,
WM5Z-2, Home Base APRS,
WM5Z-3, RV APRS
WM5Z-4 POV APRS
WM5Z-15 Weather Station APRS CWOP

The humble ramblings of an old fart, and should not be taken seriously by any intelligent
life form.
Just because I'm paranoid doesn't mean they aren't watching us.

danny garvin wrote:
> RG6 has low loss but I would try to use ladder line if possable the loss of RG6 for that
run would be 2.5 db on 40m, 3.5 db on 20m, 4.0db on 17m. At 3db you are loosing 1/2 your
power before you get to the antenna. With ladder line the losses would be 0.6db on 40,
0.882 on 20m, 1.007 on 17m as you can see a major difference. hope this helps.
> Danny
> WB9RIM
>
>
>
>
> _____
> From: johnsobryan <johnsobryan@...>
> To: ham-antennas@yahoogroups.com
> Sent: Tuesday, November 25, 2008 7:53:49 AM
> Subject: [ham-antennas] Recommendations for Long Coax Run
>
>
> Hi - I have a rather long run between my operating station and my
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> a vertical antenna (most likely the ZeroFive vertical).
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>
>
>
> [Non-text portions of this message have been removed]
>
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> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
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>

6927. RE: [ham-antennas] Recommendations for Long Coax Run

Yahoo group: ham-antennas (2008)
Date: 2008-11-25 15:22:36 UTC
From: Richard Schmuke
Topic: 6923 Message: 6927

That is a long run for coax and way too long for RG-6 size on 17 & 20, IMO. If it has to be that far way I would look at ladder line 450 or 600 Ohm not 300. The ZeroFive is a good product but you can make your own, cheaper and have fun doing it. You can mount it at ground or elevated with a small tilt unit. See my home made tilt unit for my vertical posted in the photo section. I have one for my home made beam and J-pole and one for my vertical. The picture was taken before the vertical was installed , I was just showing the home made tile over.

Rich ,KDØZZ ,

from the middle of Missouri , out in the sticks with the hicks and the ticks.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of johnsobryan
Sent: Tuesday, November 25, 2008 7:54 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Recommendations for Long Coax Run

Hi - I have a rather long run between my operating station and my vertical antenna that I'm proposing to install. The total length will be 360 feet of coax to get out to the field where I will install a vertical antenna (most likely the ZeroFive vertical).

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Question - I'm looking for recommendations on coax for long runs and realizing it's a long run, something that won't break the bank either. I will propose to bury the cable for about 100 feet of the run, and it must go across my roof which is metal.

I have a bunch of cable TV coax (RG6/U) lying around that I could use but I'm not sure if the losses would be too great using the RG6.

Has anyone run several hundred feet of coax and if so, what did you end up using as the coax of choice?

Thanks very much.

[Non-text portions of this message have been removed]

6928. Re: [ham-antennas] Recommendations for Long Coax Run

Yahoo group: ham-antennas (2008)
Date: 2008-11-25 17:26:26 UTC
From: Jim Coon
Topic: 6923 Message: 6928

I don't think you can bury ladder line and have it work very well. Also, you will have to be carefull how you run it across the metal roof. COAX is what he should be using. RG6 should work but the impedance is 75 ohms instead of 50, but that might not be a problem.

On Tue, Nov 25, 2008 at 9:35 AM, danny garvin <grailknight_2@...>wrote:

> RG6 has low loss but I would try to use ladder line if possable the loss
> of RG6 for that run would be 2.5 db on 40m, 3.5 db on 20m, 4.0db on 17m. At
> 3db you are loosing 1/2 your power before you get to the antenna. With
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> From: johnsobryan <johnsobryan@... <johnsobryan%40yahoo.com>>
> To: ham-antennas@yahoogroups.com <ham-antennas%40yahoogroups.com>
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> end up using as the coax of choice?
>
> Thanks very much.
>
> [Non-text portions of this message have been removed]
>
>
>

--
Jim

[Non-text portions of this message have been removed]

6929. Re: Antenna ideas

Yahoo group: ham-antennas (2008)
Date: 2008-11-25 18:31:49 UTC
From: ash_lee52
Topic: 6908 Message: 6929

I would say go with a wire... it will probably never even be noticed. I have 5 wires up in my "no antenna" community, and do just fine. The easiest may be a Par EndFedz (see eham.com reviews)because you can more easily hide the feed line feeding an antenna from an end. These work well hung as verticals from trees, or as slopers. I have a little hoisting line made from fishing line (dark fly line) to use antennas hoisted up the side of my house.

A classic inverted V is also usually pretty easy to hide when you put the middle in a tree and take the feed line up alongside the trunk. Use fishing line to hold the ends out.

Two other solutions might work well for you. Check out the TW Antennas Backpacker model. This is a compact vertical dipole for 20 meters through 10, that you can set up or take down in 2 minutes... and it really works well. Most people would never identify it as an antenna. I even did a contest once with mine in the living room. These are frequently sold new, at a discount, on E-Bay.

Finally, the classic suggestion is to put a really efficient antenna on your car and run coax to that from your apartment when you want to operate there. Adding a temporary elevated radial will probably boost performance considerably, since grounding is a fairly big issue for mobile antennas.

Some people might also suggest the BuddiStick because if its extreme portability. These can be very efficient with a single elevated radial. I find them a bit fussy to tune, but if you are going to be using it in the same spot again and again you only need to tune it once and leave taps on the coail for each of the bands you use.

Basically, if prisoners of war managed to hide antennas and radios in prison camps in WWII, you should easily be able to hide something. In my opinion a Par EndFedz set as a vertical is the most efficient vertical there is, so you needn't sacrafice effectiveness for stealth.

WW0AL
Ash

--- In ham-antennas@yahoogroups.com, "Matthew" <mrmattatccd@...>
wrote:
>
> Hello,
> Dose anyone know of a antenna that I could put up that will not make
> my landlord pissed off. He will not let me put up anything. Do they
> make like an antenna that I can put in an window? Please email me
any

> Ideas.
>
> Thank you
> Matthew KC9LYB
>

6930. RE: [ham-antennas] Re: Antenna ideas

Yahoo group: ham-antennas (2008)
Date: 2008-11-25 19:14:49 UTC
From: Richard Schmuke
Topic: 6908 Message: 6930

Matthew , are you renting a house?? or apartment?? Do you have a porch or balcony??

I have been in that position years ago. Let us know what you have so we know what to say.

Rich , KDØZZ

Disclaimer: Any errors in spelling or facts are transmission errors.

--- In ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
, "Matthew" <mrmattatccd@...>
wrote:
>
> Hello,
> Dose anyone know of a antenna that I could put up that will not make
> my landlord pissed off. He will not let me put up anything. Do they
> make like an antenna that I can put in an window? Please email me
any
> Ideas.
>
> Thank you
> Matthew KC9LYB
>

[Non-text portions of this message have been removed]

6931. Re: Recommendations for Long Coax Run

Yahoo group: ham-antennas (2008)
Date: 2008-11-26 00:36:52 UTC
From: johnsobryan
Topic: 6923 Message: 6931

I appreciate all the advice and if it weren't for the metal roof and having to bury at least a portion of the cable, I'd go with ladder line because of low loss. Perhaps I could run coax across the roof and buried portion (about 100 feet) then the rest of the 260 feet could be ladder line? I'm not sure how that would work, whether I could just hook up coax to ladder line, etc but I'd be interested if anyone has used both in the same run to the antenna.

Thanks.

6932. "Low noise" wire antenna...?

Yahoo group: ham-antennas (2008)
Date: 2008-11-26 01:11:49 UTC
From: wa6spa
Topic: 6932 Message: 6932

Hi all ☐

I've got severe power line noise issues here, and while local hams from my club, and our electric company, are trying to track down the culprit (they say it's being carried over the lines from `somewhere', being detected by my antenna, and entering the shack that way.

As I'm using a vertical antenna, which are normally more susceptible to man made noises than a wire antenna, I think it's best to switch to a "low noise" wire antenna until the problem is corrected.

I found something called a T2FD which is described as a low noise wire antenna, and it looks promising, but was wondering if anyone who has had similar power line noise problems could recommend a their wire antenna choice?

Thanks.

John
WA6SPA

6933. RE: [ham-antennas] Recommendations for Long Coax Run

Yahoo group: ham-antennas (2008)
Date: 2008-11-26 01:24:49 UTC
From: MIKE DURKIN
Topic: 6923 Message: 6933

I have always wanted to use 2 runs of Hardline ... kinda of like a balanced - unbalanced feed.

KC7NOA

To: ham-antennas@yahoogroups.com
From:
Date: Tue, 25 Nov 2008 12:26:26 -0500
Subject: Re: [ham-antennas] Recommendations for Long Coax Run

I don't think you can bury ladder line and have it work very well. Also,

you will have to be carefull how you run it across the metal roof. COAX is

what he should be using. RG6 should work but the impedance is 75 ohms

instead of 50, but that might not be a problem.

On Tue, Nov 25, 2008 at 9:35 AM, danny garvin <grailknight_2@...>wrote:

> RG6 has low loss but I would try to use ladder line if possable the loss

> of RG6 for that run would be 2.5 db on 40m, 3.5 db on 20m, 4.0db on 17m. At

> 3db you are loosing 1/2 your power before you get to the antenna. With

> ladder line the losses would be 0.6db on 40, 0.882 on 20m, 1.007 on 17m as

> you can see a major difference. hope this helps.

> Danny

> WB9RIM

>

> _____

> From: johnsobryan <johnsobryan@... <johnsobryan%40yahoo.com>>

> To: ham-antennas@yahoogroups.com <ham-antennas%40yahoogroups.com>

> Sent: Tuesday, November 25, 2008 7:53:49 AM

> Subject: [ham-antennas] Recommendations for Long Coax Run

>

> Hi - I have a rather long run between my operating station and my

> vertical antenna that I'm proposing to install. The total length

> will be 360 feet of coax to get out to the field where I will install

> a vertical antenna (most likely the ZeroFive vertical).

>

> I operate mostly on 20M, 17M, 40M running a Kenwood 930s.

>

> Question - I'm looking for recommendations on coax for long runs and

> realizing it's a long run, something that won't break the bank

> either. I will propose to bury the cable for about 100 feet of the

> run, and it must go across my roof which is metal.

>

> I have a bunch of cable TV coax (RG6/U) lying around that I could use

> but I'm not sure if the losses would be too great using the RG6.

>

> Has anyone run several hundred feet of coax and if so, what did you

> end up using as the coax of choice?

>

> Thanks very much.

>

> [Non-text portions of this message have been removed]

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>

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Jim

[Non-text portions of this message have been removed]

_____
Color coding for safety: Windows Live Hotmail alerts you to suspicious email.
http://windowslive.com/Explore/Hotmail?ocid=TXT_TAGLM_WL_hotmail_acq_safety_112008

[Non-text portions of this message have been removed]

6934. Re: [ham-antennas] Recommendations for Long Coax Run

Yahoo group: ham-antennas (2008)
Date: 2008-11-26 03:13:02 UTC
From: Steve/WM5Z
Topic: 6923 Message: 6934

If you try that let us know. I would be wondering if the Baluns would
cause enough losses to make it not practical.

Steve/WM5Z DM62oh, Las Cruces, NM
WM5Z-1 APRS IGate,
WM5Z-2, Home Base APRS,
WM5Z-3, RV APRS
WM5Z-4 POV APRS
WM5Z-15 Weather Station APRS CWOP

The humble ramblings of an old fart, and should not be taken seriously by any intelligent
life form.
Just because I'm paranoid doesn't mean they aren't watching us.

MIKE DURKIN wrote:
> I have always wanted to use 2 runs of Hardline ... kinda of like a balanced - unbalanced
feed.
>
> KC7NOA
>
> To: ham-antennas@yahoogroups.com
> From:
> Date: Tue, 25 Nov 2008 12:26:26 -0500
> Subject: Re: [ham-antennas] Recommendations for Long Coax Run
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> you will have to be carefull how you run it across the metal roof. COAX is
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> what he should be using. RG6 should work but the impedance is 75 ohms
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> instead of 50, but that might not be a problem.
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> On Tue, Nov 25, 2008 at 9:35 AM, danny garvin <grailknight_2@...>wrote:
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>> RG6 has low loss but I would try to use ladder line if possable the loss
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>> of RG6 for that run would be 2.5 db on 40m, 3.5 db on 20m, 4.0db on 17m. At
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>> 3db you are loosing 1/2 your power before you get to the antenna. With
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>> ladder line the losses would be 0.6db on 40, 0.882 on 20m, 1.007 on 17m as
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>> you can see a major difference. hope this helps.
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>> Danny
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>> WB9RIM
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>> _____
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>
>> From: johnsobryan <johnsobryan@... <johnsobryan%40yahoo.com>>
>>
>

>
>> To: ham-antennas@yahoogroups.com <ham-antennas%40yahoogroups.com>
>>
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>
>> Sent: Tuesday, November 25, 2008 7:53:49 AM
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>> Subject: [ham-antennas] Recommendations for Long Coax Run
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>> Hi - I have a rather long run between my operating station and my
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>> vertical antenna that I'm proposing to install. The total length
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>> will be 360 feet of coax to get out to the field where I will install
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>> a vertical antenna (most likely the ZeroFive vertical).
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>> I operate mostly on 20M, 17M, 40M running a Kenwood 930s.
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>> Question - I'm looking for recommendations on coax for long runs and
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>> realizing it's a long run, something that won't break the bank
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>> either. I will propose to bury the cable for about 100 feet of the
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>> run, and it must go across my roof which is metal.
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>> I have a bunch of cable TV coax (RG6/U) lying around that I could use
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>> but I'm not sure if the losses would be too great using the RG6.
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>> Has anyone run several hundred feet of coax and if so, what did you
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>> end up using as the coax of choice?
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>> Thanks very much.
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>> [Non-text portions of this message have been removed]
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6935. Re: [ham-antennas] Stealth 40 or 20M Beam

Yahoo group: ham-antennas (2008)
Date: 2008-11-26 03:18:59 UTC
From: Jim Coon
Topic: 6875 Message: 6935

Paint the tips of the antenna blue?

Steven Read wrote:
>
> I have a tower for my TV antenna and am wondering whether there would be
> any way to replace the TV antenna with a 40 or 20M beam without it being
> too obvious. Has anybody tried anything like this? The tower is about
> thirty feet tall and I am looking for something where the switch from a
> TV to ham antenna would not be too visible from the ground. The house
> with the tower sits back about forty feet from the street.
>
> Steven Read - ab9ol
>
>

6936. Re: Antenna ideas

Yahoo group: ham-antennas (2008)
Date: 2008-11-26 06:28:38 UTC
From: catboat15@aol.com
Topic: 6908 Message: 6936

Some people have used their metal rain gutters as an antenna. Some use a thin wire antenna that is hardly visible. Lots of things can be done so look up "stealth antennas" on the net in ham radio sites.

**********Check out smokin’ hot deals on laptops, desktops and more from Dell. Shop Deals (http://pr.atwola.com/promoclk/100000075x1213345834x1200842686/aol?redir=http://ad.doubleclick.net/clk;209513277;31396581;l)

[Non-text portions of this message have been removed]

6937. Re: Introduction

Yahoo group: ham-antennas (2008)
Date: 2008-11-26 06:33:45 UTC
From: catboat15@aol.com
Topic: 6902 Message: 6937

Back a few sun spot cycles ago. I was a Tech class and worked six meters. Strange things happened during that cycle. I could raise cross country on six, but could not hear my buddy down the street.

**********Check out smokin' hot deals on laptops, desktops and more from Dell. Shop Deals (http://pr.atwola.com/promoclk/100000075x1213345834x1200842686/aol?redir=http://ad.doubleclick.net/clk;209513277;31396581;l)

[Non-text portions of this message have been removed]

6938. Re: [ham-antennas] Recommendations for Long Coax Run

Yahoo group: ham-antennas (2008)
Date: 2008-11-26 10:28:09 UTC
From: Walter A. Breining
Topic: 6923 Message: 6938

Your greatest concern is what will the SWR be on the feed line?

As I understand it, the Zero 5 antenna is a non-resonant antenna and its is design is to be used with a tuner at or near the base. If the tuner is mounted at the base all is well. If you are planning to have the tuner in the shack, you will have big problems with losses no matter what way you go.

So this leaves me with a lot of questions.

Are you really an avid Dxer? The vertical will usually be better than a dipole for distances of over 1000 miles but a dipole will usually outperform a vertical at distances of 800 miles or less.

Why are you wishing to place the antenna 360 ft from the shack. Is it for height advantage? How much height advantage? On HF height above ground level is important in achieving a low angle for DX but height above sea level has little advantage with sky wave unless you are very closely boxed in.

I had a 50-ft. push up pole ground mounted and fed against a ground rod and radial system. It was fed with 75 ft. of Belden RG8U. While it did very well for DX with the manual tuner setting at the base of the antenna providing a near 1 to 1 match to the feed line, it performed very poorly if I placed the tuner at the shack end of the feed line due to the multiplied line losses caused by standing waves on the feed line.

So again, I ask why are you going 360 ft. from the shack ? If this is necessary, perhaps something such as a Hy Tower that has a resonance on each band and Heliax as a feed line would be a better choice.

Resonance in and of itself has very little to do with antenna gain or efficiency. The losses on a feed line caused by a high standing wave on the line are another matter. We all wish that we could hook a coax to a random length radiator and match it from the shack. Unfortunately life is not that simple.

I was devastated when I learned that everything in Physics was neither linear nor conjugate.

Tell us more.

Vy 73, Walt, N9WB

----- Original Message -----
From: johnsobryan
To: ham-antennas@yahoogroups.com
Sent: Tuesday, November 25, 2008 08:53
Subject: [ham-antennas] Recommendations for Long Coax Run

Hi - I have a rather long run between my operating station and my vertical antenna that I'm proposing to install. The total length

will be 360 feet of coax to get out to the field where I will install a vertical antenna (most likely the ZeroFive vertical).

I operate mostly on 20M, 17M, 40M running a Kenwood 930s.

Question - I'm looking for recommendations on coax for long runs and realizing it's a long run, something that won't break the bank either. I will propose to bury the cable for about 100 feet of the run, and it must go across my roof which is metal.

I have a bunch of cable TV coax (RG6/U) lying around that I could use but I'm not sure if the losses would be too great using the RG6.

Has anyone run several hundred feet of coax and if so, what did you end up using as the coax of choice?

Thanks very much.

[Non-text portions of this message have been removed]

6939. AW: [ham-antennas] "Low noise" wire antenna...?

Yahoo group: ham-antennas (2008)
Date: 2008-11-26 11:45:20 UTC
From: Siegfried Jackstien
Topic: 6932 Message: 6939

dear john
try a deltaloop
cause it is a closed loop it is REALLY quiet
73´s de dg9bfc
sigi
-----Ursprüngliche Nachricht-----
Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]Im Auftrag von wa6spa
Gesendet: Mittwoch, 26. November 2008 02:12
An: ham-antennas@yahoogroups.com
Betreff: [ham-antennas] "Low noise" wire antenna...?

Hi all ☐

I've got severe power line noise issues here, and while local hams from my club, and our electric company, are trying to track down the culprit (they say it's being carried over the lines from `somewhere', being detected by my antenna, and entering the shack that way.

As I'm using a vertical antenna, which are normally more susceptible to man made noises than a wire antenna, I think it's best to switch to a "low noise" wire antenna until the problem is corrected.

I found something called a T2FD which is described as a low noise wire antenna, and it looks promising, but was wondering if anyone who has had similar power line noise problems could recommend a their wire antenna choice?

Thanks.

John
WA6SPA

[Non-text portions of this message have been removed]

6940. Re: [ham-antennas] Recommendations for Long Coax Run

Yahoo group: ham-antennas (2008)
Date: 2008-11-26 13:00:30 UTC
From: Jim Coon
Topic: 6923 Message: 6940

Two runs of COAX or hard line won't work because of the shield on the coax. Ladder line, open wire or flat lead in work by the lines of electromagnetic force (EMF) around the two conductors. The conductors have to be spaced uniformly to get a constant impedance over the length of the line. That is the purpose of the "ladder rungs". the EMF cannot be disturbed by being close to a conducting object, like the roof, or the ground, so stand offs have to be used to support it. trying to use two coax cables to emulate open wire feed line, would not work because of the shield on each center conductor. Even if you tried to use the shield, you could not keep the distances between the conductors constant , so the impedance would not be constance and you would have a lot of reflected power.

Jim WB8QGT

MIKE DURKIN wrote:
>
>
> I have always wanted to use 2 runs of Hardline ... kinda of like a
> balanced - unbalanced feed.
>
> KC7NOA
>
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> From:
> Date: Tue, 25 Nov 2008 12:26:26 -0500
> Subject: Re: [ham-antennas] Recommendations for Long Coax Run
>
> I don't think you can bury ladder line and have it work very well. Also,
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> you will have to be carefull how you run it across the metal roof. COAX is
>
> what he should be using. RG6 should work but the impedance is 75 ohms
>
> instead of 50, but that might not be a problem.
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> On Tue, Nov 25, 2008 at 9:35 AM, danny garvin <grailknight_2@...
> <mailto:grailknight_2%40yahoo.com>>wrote:
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> > RG6 has low loss but I would try to use ladder line if possable the loss
>
> > of RG6 for that run would be 2.5 db on 40m, 3.5 db on 20m, 4.0db on
> 17m. At
>
> > 3db you are loosing 1/2 your power before you get to the antenna. With

>
> > ladder line the losses would be 0.6db on 40, 0.882 on 20m, 1.007 on
> 17m as
>
> > you can see a major difference. hope this helps.
>
> > Danny
>
> > WB9RIM
>
> >
>
> > _____
>
> > From: johnsobryan <johnsobryan@...
> <mailto:johnsobryan%40yahoo.com> <johnsobryan%40yahoo.com>>
>
> > To: ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com> <ham-antennas%40yahoogroups.com>
>
> > Sent: Tuesday, November 25, 2008 7:53:49 AM
>
> > Subject: [ham-antennas] Recommendations for Long Coax Run
>
> >
>
> > Hi - I have a rather long run between my operating station and my
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> > vertical antenna that I'm proposing to install. The total length
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> > will be 360 feet of coax to get out to the field where I will install
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> > a vertical antenna (most likely the ZeroFive vertical).
>
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> > I operate mostly on 20M, 17M, 40M running a Kenwood 930s.
>
> >
>
> > Question - I'm looking for recommendations on coax for long runs and
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> > realizing it's a long run, something that won't break the bank
>
> > either. I will propose to bury the cable for about 100 feet of the
>
> > run, and it must go across my roof which is metal.
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>

> > I have a bunch of cable TV coax (RG6/U) lying around that I could use
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> > but I'm not sure if the losses would be too great using the RG6.
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>
> > Has anyone run several hundred feet of coax and if so, what did you
>
> > end up using as the coax of choice?
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>
> > Thanks very much.
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> > [Non-text portions of this message have been removed]
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> Jim
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> [Non-text portions of this message have been removed]
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> Color coding for safety: Windows Live Hotmail alerts you to suspicious
> email.
> http://windowslive.com/Explore/Hotmail?ocid=TXT_TAGLM_WL_hotmail_acq_safety_112008
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> [Non-text portions of this message have been removed]
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6941. Re: [ham-antennas] Re: Recommendations for Long Coax Run

Yahoo group: ham-antennas (2008)
Date: 2008-11-26 13:10:06 UTC
From: Jim Coon
Topic: 6923 Message: 6941

Here is a table comparing RG6 loss values

http://www.tessco.com/products/displayProducts.do?groupId=408&subgroupId=22

It looks like it is about 2 db per 100 feet at HF, so 360 feet would be
a loss of about 8 db.

RG8 has a lower losses, on the order of 1.2 dB/ 100 feet.

http://www.tessco.com/products/displayProducts.do?groupId=403&subgroupId=20

so 360 feet would be a loss of about 5dB. That 3 dB difference between
the two means rg 8 will give you twice as much power at the antenna than
rg6 will give you. (100 % increase in power or 50% decrease is a 3 dB
change in power.)

The Tessco website shwos the values of several different types of cable.

http://www.tessco.com/products/productHierarchy.do?subtabId=Braided+Coaxial+Cable+%26+Conn
ectors

other than that, I am not familiar with Tessco.

Jim WB8QGT

johnsobryan wrote:
>
> I appreciate all the advice and if it weren't for the metal roof and
> having to bury at least a portion of the cable, I'd go with ladder line
> because of low loss. Perhaps I could run coax across the roof and
> buried portion (about 100 feet) then the rest of the 260 feet could be
> ladder line? I'm not sure how that would work, whether I could just
> hook up coax to ladder line, etc but I'd be interested if anyone has
> used both in the same run to the antenna.
>
> Thanks.
>
>

6942. 1/2 wave 11m antenna mod

Yahoo group: ham-antennas (2008)
Date: 2008-11-26 14:47:36 UTC
From: Doug
Topic: 6942 Message: 6942

Hello group,
Thought I'd take some time and give you an update on the antenna. I removed the coil at the bottom of the antenna and soldered the SO239 direct as instructed. Adjusted the vertical element to 1/4 wave of 14.300 MHZ as that is the part of the band that I use the most. I'm not using the radials as orignally planned. What I did instead is insulate the top of the mast so the antenna doesn't come into contact with it and strung a 1/4 length of wire down from the base of the antenna and
away from the mast at about a 20 degree angle. So I think I made a 1/2 wave vertical dipole. Works really well on 20m without a tuner, and 80m & 40m with the tuner. Quick question; do I need to put an RF choke at the base of the antenna? Any questions, comments or concerns are sincerely appreciated.

Cheers!

Doug...
VE3GHQ/VA30005SWL

6943. Re: [ham-antennas] Re: Recommendations for Long Coax Run

Yahoo group: ham-antennas (2008)
Date: 2008-11-26 15:39:05 UTC
From: radio817@tmo.blackberry.net
Topic: 6923 Message: 6943

>>3 dB difference between
the two means

3db? That's half of one S-unit. That may only matter if you are tring to dig a station out of the mud (noise). There is no need to be 40db over S-9 when S-5 is perfectly copyable if is above the noise. All that being said because of the wire getting sun, put underground, etc. I would buy the best cable you could afford. If you have time to play use what you have and see how it works.

John
KE7JSL
Sent via BlackBerry from T-Mobile

6944. Re: [ham-antennas] Re: Recommendations for Long Coax Run

Yahoo group: ham-antennas (2008)
Date: 2008-11-26 16:22:37 UTC
From: Jim Coon
Topic: 6923 Message: 6944

3 db is the difference between 50 watts and 100 watts

Jim WB8QGT

radio817@... wrote:
>
> >>3 dB difference between
> the two means
>
> 3db? That's half of one S-unit. That may only matter if you are tring
> to dig a station out of the mud (noise). There is no need to be 40db
> over S-9 when S-5 is perfectly copyable if is above the noise. All
> that being said because of the wire getting sun, put underground, etc.
> I would buy the best cable you could afford. If you have time to play
> use what you have and see how it works.
>
> John
> KE7JSL
> Sent via BlackBerry from T-Mobile
>
>

6945. RE: [ham-antennas] 1/2 wave 11m antenna mod

Yahoo group: ham-antennas (2008)
Date: 2008-11-26 16:24:05 UTC
From: Callum M0MCX
Topic: 6942 Message: 6945

>>> Quick question; do I need to put an RF choke at the base of the antenna

Yes, do that Doug.

I would also advise you to add another radial 180 degrees opposite the other one just to balance the far-field plot. Your RF will be slightly tilted towards the single radial currently which you could correct with addition of second one. Sounds a nice easy way of having a q/wave on 20m.

I don☐t think your antenna will work very well on 80m, but I☐d be interested in what happens with 40m? Please advise how long and what type of coax you are using..?

Cheers,

Callum McCormick
http://www.m0mcx.co.uk/

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Doug
Sent: 26 November 2008 14:48
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] 1/2 wave 11m antenna mod

Hello group,
Thought I'd take some time and give you an update on the antenna. I removed the coil at the bottom of the antenna and soldered the SO239 direct as instructed. Adjusted the vertical element to 1/4 wave of 14.300 MHZ as that is the part of the band that I use the most. I'm not using the radials as orignally planned. What I did instead is insulate the top of the mast so the antenna doesn't come into contact with it and strung a 1/4 length of wire down from the base of the antenna and
away from the mast at about a 20 degree angle. So I think I made a 1/2 wave vertical dipole. Works really well on 20m without a tuner, and 80m & 40m with the tuner. Quick question; do I need to put an RF choke at the base of the antenna? Any questions, comments or concerns are sincerely appreciated.

Cheers!

Doug...
VE3GHQ/VA3OOO5SWL

6946. Re: Stealth 40 or 20M Beam

Yahoo group: ham-antennas (2008)
Date: 2008-11-26 16:25:19 UTC
From: al_kozakiewicz
Topic: 6875 Message: 6946

This looks like a reasonably small 20m antenna with a 10dbi gain:

http://www.k4eaa.com/yagi.htm

Al
AB2ZY

--- In ham-antennas@yahoogroups.com, Jim Coon <liteways@...> wrote:
>
> Paint the tips of the antenna blue?
>
> Steven Read wrote:
> >
> > I have a tower for my TV antenna and am wondering whether there
would be
> > any way to replace the TV antenna with a 40 or 20M beam without
it being
> > too obvious. Has anybody tried anything like this? The tower is
about
> > thirty feet tall and I am looking for something where the switch
from a
> > TV to ham antenna would not be too visible from the ground. The
house
> > with the tower sits back about forty feet from the street.
> >
> > Steven Read - ab9ol
> >
> >
>

6947. Tuner Location

Yahoo group: ham-antennas (2008)
Date: 2008-11-26 17:27:46 UTC
From: Rick
Topic: 6947 Message: 6947

How much loss,if any, would I have if I place my tuner in my shack rather than have a remote tuner at my antenna base. The run is around 25 feet from the antenna to the shack. I have a 40ft vertical with a 1:1 balun on it.

Thanks
Rick/WA6ES

6948. RE: [ham-antennas] 1/2 wave 11m antenna mod

Yahoo group: ham-antennas (2008)
Date: 2008-11-26 17:43:05 UTC
From: Doug Chlan
Topic: 6942 Message: 6948

Thanks for replying Callum,
?
I'll add the RF choke and the extra radial opposite the other.? Would adding ones at 80m & 40m q/wave help the antenna operate on those bands?? I checked into the ONTARS NET As far as coax is concerned I'm running 140' of RG8X just lying on the ground for now.

--- On Wed, 11/26/08, Callum M0MCX <callum@...> wrote:

From: Callum M0MCX <callum@...>
Subject: RE: [ham-antennas] 1/2 wave 11m antenna mod
To: ham-antennas@yahoogroups.com
Received: Wednesday, November 26, 2008, 11:24 AM

>>> Quick question; do I need to put an RF choke at the base of the antenna

Yes, do that Doug.

I would also advise you to add another radial 180 degrees opposite the other one just to balance the far-field plot. Your RF will be slightly tilted towards the single radial currently which you could correct with addition of second one. Sounds a nice easy way of having a q/wave on 20m.

I don?t think your antenna will work very well on 80m, but I?d be interested in what happens with 40m? Please advise how long and what type of coax you are using..?

Cheers,

Callum McCormick
http://www.m0mcx. co.uk/

From: ham-antennas@ yahoogroups. com [mailto:ham-antennas@ yahoogroups. com] On Behalf Of Doug
Sent: 26 November 2008 14:48
To: ham-antennas@ yahoogroups. com
Subject: [ham-antennas] 1/2 wave 11m antenna mod

Hello group,
Thought I'd take some time and give you an update on the antenna. I removed the coil at the bottom of the antenna and soldered the SO239 direct as instructed. Adjusted the vertical element to 1/4 wave of 14.300 MHZ as that is the part of the band that I use the most. I'm not using the radials as orignally planned. What I did instead is insulate the top of the mast so the antenna doesn't come into contact with it and strung a 1/4 length of wire down from the base of the antenna and
away from the mast at about a 20 degree angle. So I think I made a 1/2

wave vertical dipole. Works really well on 20m without a tuner, and
80m & 40m with the tuner. Quick question; do I need to put an RF choke
at the base of the antenna? Any questions, comments or concerns are
sincerely appreciated.

Cheers!

Doug...
VE3GHQ/VA30005SWL

_____
Yahoo! Canada Toolbar: Search from anywhere on the web, and bookmark your favourite sites.
Download it now at
http://ca.toolbar.yahoo.com.

[Non-text portions of this message have been removed]

6949. Re: [ham-antennas] Re: Recommendations for Long Coax Run

Yahoo group: ham-antennas (2008)
Date: 2008-11-26 20:08:55 UTC
From: nharvey113@aol.com
Topic: 6923 Message: 6949

I have a 100 foot run of coax to my verticle, and I use a remote antenna tuner---the MFJ- 927.? It keeps the SWR near flat through all frequencies.

Neil Harvey?? AC6YO

-----Original Message-----
From: johnsobryan <johnsobryan@...>
To: ham-antennas@yahoogroups.com
Sent: Tue, 25 Nov 2008 4:36 pm
Subject: [ham-antennas] Re: Recommendations for Long Coax Run

I appreciate all the advice and if it weren't for the metal roof and having to bury at least a portion of the cable, I'd go with ladder line because of low loss. Perhaps I could run coax across the roof and buried portion (about 100 feet) then the rest of the 260 feet could be ladder line? I'm not sure how that would work, whether I could just hook up coax to ladder line, etc but I'd be interested if anyone has used both in the same run to the antenna.

Thanks.

[Non-text portions of this message have been removed]

6950. AW: [ham-antennas] 1/2 wave 11m antenna mod

Yahoo group: ham-antennas (2008)
Date: 2008-11-26 20:56:18 UTC
From: Siegfried Jackstien
Topic: 6942 Message: 6950

dear doug
so it is a cheap way to make an old cb-antenna to work as a quarterwave for
20
.... you did what a said you should do :-)
brave ham (grin)
if you wanna make it better ad 2 or 3 radials to build up a real vertical
not a vertikal dipole
you should ad a choke (some winding of caox will do it)
if you can get some more or similar antennas on a rally or hamfest buy them
and make the same for
17 or 15m ....
make it longer with an extension and let the coil in (maybe ad a few turns
and you have a halfwave for 12m
shorten it a bit and use it for 10m
there are many ways of using old antennas from cb-days .... :-)
cu on the bands
73´s de dg9bfc
sigi

-----Ursprüngliche Nachricht-----
Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]Im
Auftrag von Doug
Gesendet: Mittwoch, 26. November 2008 15:48
An: ham-antennas@yahoogroups.com
Betreff: [ham-antennas] 1/2 wave 11m antenna mod

Hello group,
Thought I'd take some time and give you an update on the antenna. I
removed the coil at the bottom of the antenna and soldered the SO239
direct as instructed. Adjusted the vertical element to 1/4 wave of
14.300 MHZ as that is the part of the band that I use the most. I'm
not using the radials as orignally planned. What I did instead is
insulate the top of the mast so the antenna doesn't come into contact
with it and strung a 1/4 length of wire down from the base of the
antenna and
away from the mast at about a 20 degree angle. So I think I made a 1/2
wave vertical dipole. Works really well on 20m without a tuner, and
80m & 40m with the tuner. Quick question; do I need to put an RF choke
at the base of the antenna? Any questions, comments or concerns are
sincerely appreciated.

Cheers!

Doug...
VE3GHQ/VA3OOO5SWL

[Non-text portions of this message have been removed]

6951. Station Up and Running

Yahoo group: ham-antennas (2008)
Date: 2008-11-26 21:52:39 UTC
From: de K6KAW
Topic: 6951 Message: 6951

Well after some bending, twisting, and banging. The HF is running.

I will be up on 20 on 14.315, 10 on 29.000 and 15 on 21.330 bands permitting

20 is best but heard some good ground wave on 10 this morning.

Of course due to my work schedule I won't be on all the time but give a holler.

73
Ken
K6KAW
CM87xx

[Non-text portions of this message have been removed]

6952. RE: [ham-antennas] 1/2 wave 11m antenna mod

Yahoo group: ham-antennas (2008)
Date: 2008-11-26 21:57:02 UTC
From: Callum M0MCX
Topic: 6942 Message: 6952

You only need 2 raised radials to make these work effectively, not three or four as some people think. If you really want it to work on 40m, then you ought to have a tuner at the feedpoint and yes, have tuned radials for 40m too. Still, I'm extremely dubious about this working on 80m, however I have never tried it. Anything I have ever built for 20m is deaf as a post on 80m.

Here's a bit of controversy for you: through experimentation, my friend and have made a few verticals over the last couple of years, some with tuned radials per band, others with lots of any old random radials. Untuned antennas were fed at the feedpoint with an SG230, feedpoint coupler so that 1:1 SWR was presented to the radio. We discovered that tuned radials worked better, however of course 80m and 160m radials were out the question for the very low bands. In these cases, we needed lots of random radials (always elevated). Of interest, I have a 12m vertical (40 feet) in the garden with tuned radials for 40m, 20m, 17m, 15m and 12m. However it works very quite well on 160m due to the large number of small radials.

See here: http://www.m0mcx.co.uk/?p=135

Interested in elevated radials..? See here: http://www.m0mcx.co.uk/?p=100

Callum McCormick
http://www.m0mcx.co.uk/

-----Original Message-----
From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Doug Chlan
Sent: 26 November 2008 17:43
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] 1/2 wave 11m antenna mod

Thanks for replying Callum,

I'll add the RF choke and the extra radial opposite the other. Would adding ones at 80m & 40m q/wave help the antenna operate on those bands? I checked into the ONTARS NET As far as coax is concerned I'm running 140' of RG8X just lying on the ground for now.

--- On Wed, 11/26/08, Callum M0MCX <callum@...> wrote:

From: Callum M0MCX <callum@...>
Subject: RE: [ham-antennas] 1/2 wave 11m antenna mod
To: ham-antennas@yahoogroups.com
Received: Wednesday, November 26, 2008, 11:24 AM

>>> Quick question; do I need to put an RF choke at the base of the antenna

Yes, do that Doug.

I would also advise you to add another radial 180 degrees opposite the other one just to balance the far-field plot. Your RF will be slightly tilted towards the single radial currently which you could correct with addition of second one. Sounds a nice easy way of having a q/wave on 20m.

I don¢t think your antenna will work very well on 80m, but I¢d be interested in what happens with 40m? Please advise how long and what type of coax you are using..?

Cheers,

Callum McCormick
http://www.m0mcx. co.uk/

From: ham-antennas@ yahoogroups. com [mailto:ham-antennas@ yahoogroups. com] On
Behalf Of Doug
Sent: 26 November 2008 14:48
To: ham-antennas@ yahoogroups. com
Subject: [ham-antennas] 1/2 wave 11m antenna mod

Hello group,
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away from the mast at about a 20 degree angle. So I think I made a 1/2 wave vertical dipole. Works really well on 20m without a tuner, and 80m & 40m with the tuner. Quick question; do I need to put an RF choke at the base of the antenna? Any questions, comments or concerns are sincerely appreciated.

Cheers!

Doug...
VE3GHQ/VA30005SWL

_____
Yahoo! Canada Toolbar: Search from anywhere on the web, and bookmark your favourite sites. Download it now at
http://ca.toolbar.yahoo.com.

[Non-text portions of this message have been removed]

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 1446 members (as of 9/26/08, and attachments are NOT permitted.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com

Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

6953. Re: Recommendations for Long Coax Run

Yahoo group: ham-antennas (2008)
Date: 2008-11-26 22:35:26 UTC
From: john baker
Topic: 6923 Message: 6953

What if that ladder line was run thru pvc conduit, along the roof and underground? The best of both worlds....or not? Trying to think outside the box here.

jb
kgbiw

--- In ham-antennas@yahoogroups.com, "Jim Coon" <liteways@...> wrote:
>
> I don't think you can bury ladder line and have it work very well. Also,
> you will have to be carefull how you run it across the metal roof. COAX is
> what he should be using. RG6 should work but the impedance is 75 ohms
> instead of 50, but that might not be a problem.
>
> On Tue, Nov 25, 2008 at 9:35 AM, danny garvin <grailknight_2@...>wrote:
>
> > RG6 has low loss but I would try to use ladder line if possable the loss
> > of RG6 for that run would be 2.5 db on 40m, 3.5 db on 20m, 4.0db on 17m. At
> > 3db you are loosing 1/2 your power before you get to the antenna. With
> > ladder line the losses would be 0.6db on 40, 0.882 on 20m, 1.007 on 17m as
> > you can see a major difference. hope this helps.
> > Danny
> > WB9RIM
> >
> > _____
> > From: johnsobryan <johnsobryan@... <johnsobryan%40yahoo.com>>
> > To: ham-antennas@yahoogroups.com <ham-antennas%40yahoogroups.com>
> > Sent: Tuesday, November 25, 2008 7:53:49 AM
> > Subject: [ham-antennas] Recommendations for Long Coax Run
> >
> > Hi - I have a rather long run between my operating station and my
> > vertical antenna that I'm proposing to install. The total length
> > will be 360 feet of coax to get out to the field where I will install
> > a vertical antenna (most likely the ZeroFive vertical).
> >
> > I operate mostly on 20M, 17M, 40M running a Kenwood 930s.

> >
> > Question - I'm looking for recommendations on coax for long runs
and
> > realizing it's a long run, something that won't break the bank
> > either. I will propose to bury the cable for about 100 feet of the
> > run, and it must go across my roof which is metal.
> >
> > I have a bunch of cable TV coax (RG6/U) lying around that I could
use
> > but I'm not sure if the losses would be too great using the RG6.
> >
> > Has anyone run several hundred feet of coax and if so, what did
you
> > end up using as the coax of choice?
> >
> > Thanks very much.
> >
> > [Non-text portions of this message have been removed]
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> --
> Jim
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> [Non-text portions of this message have been removed]
>

6954. RE: [ham-antennas] 1/2 wave 11m antenna mod

Yahoo group: ham-antennas (2008)
Date: 2008-11-26 22:59:45 UTC
From: Doug Chlan
Topic: 6942 Message: 6954

Hi Callum,

I didn't think it was going to work on 80m. Decided to give it a try and after tuning it I was able to check in to the ONTARS Net on 3.755 Mhz and actually carried on a little conversation with the net controller. Prior to this I was mostly unsuccessful. What is this SG230 you speak of?

Cheers!
Doug...
VE3GHQ/VA30005SWL

_____
Yahoo! Canada Toolbar: Search from anywhere on the web, and bookmark your favourite sites. Download it now at
http://ca.toolbar.yahoo.com.

[Non-text portions of this message have been removed]

6955. Re: Antenna ideas

Yahoo group: ham-antennas (2008)
Date: 2008-11-26 23:11:24 UTC
From: Neil McGrath
Topic: 6908 Message: 6955

You could always use a magnetic loop antenna. A 3ft diameter loop will work well on 20-10m and could be placed on the window sill when you need to use it.

For more information see http://www.magneticloopantenna.com

Neil
G7AQK

--- In ham-antennas@yahoogroups.com, "Matthew" <mrmattatccd@...> wrote:
>
> Hello,
> Dose anyone know of a antenna that I could put up that will not make
> my landlord pissed off. He will not let me put up anything. Do they
> make like an antenna that I can put in an window? Please email me any
> Ideas.
>
> Thank you
> Matthew KC9LYB
>

6956. RE: [ham-antennas] Recommendations for Long Coax Run

Yahoo group: ham-antennas (2008)
Date: 2008-11-26 23:12:18 UTC
From: MIKE DURKIN
Topic: 6923 Message: 6956

I dont think baluns are needed ... its like twinlead that you can bury or set on metal roofs etc.

Ladder line would have even less loss .. and even home brew would be better over real long run ... 2000' ... 2' space lets say ...
i dont have that kind of need ... yet. But it has crossed my mind in the past (if i move out into the sticks)

KC7NOA

To: ham-antennas@yahoogroups.com
From: wm5z@...
Date: Tue, 25 Nov 2008 20:13:02 -0700
Subject: Re: [ham-antennas] Recommendations for Long Coax Run

If you try that let us know. I would be wondering if the Baluns would

cause enough losses to make it not practical.

Steve/WM5Z DM62oh, Las Cruces, NM

WM5Z-1 APRS IGate,

WM5Z-2, Home Base APRS,

WM5Z-3, RV APRS

WM5Z-4 POV APRS

WM5Z-15 Weather Station APRS CWOP

The humble ramblings of an old fart, and should not be taken seriously by any intelligent life form.

Just because I'm paranoid doesn't mean they aren't watching us.

MIKE DURKIN wrote:

> I have always wanted to use 2 runs of Hardline ... kinda of like a balanced - unbalanced feed.

>

> KC7NOA

>

> To: ham-antennas@yahoogroups.com

> From:

> Date: Tue, 25 Nov 2008 12:26:26 -0500

> Subject: Re: [ham-antennas] Recommendations for Long Coax Run

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> I don't think you can bury ladder line and have it work very well. Also,

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> you will have to be carefull how you run it across the metal roof. COAX is

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> what he should be using. RG6 should work but the impedance is 75 ohms

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> instead of 50, but that might not be a problem.

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> On Tue, Nov 25, 2008 at 9:35 AM, danny garvin <grailknight_2@...>wrote:

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>> of RG6 for that run would be 2.5 db on 40m, 3.5 db on 20m, 4.0db on 17m. At

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>> 3db you are loosing 1/2 your power before you get to the antenna. With

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>> ladder line the losses would be 0.6db on 40, 0.882 on 20m, 1.007 on 17m as

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>> you can see a major difference. hope this helps.

>>

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>> Danny

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>> WB9RIM

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>> From: johnsobryan <johnsobryan@... <johnsobryan%40yahoo.com>>

>>

>

>

>> To: ham-antennas@yahoogroups.com <ham-antennas%40yahoogroups.com>

>>

>

>

>> Sent: Tuesday, November 25, 2008 7:53:49 AM

>>

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>

>> Subject: [ham-antennas] Recommendations for Long Coax Run

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>> Hi - I have a rather long run between my operating station and my

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>> vertical antenna that I'm proposing to install. The total length

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>> will be 360 feet of coax to get out to the field where I will install

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>> a vertical antenna (most likely the ZeroFive vertical).

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>> Has anyone run several hundred feet of coax and if so, what did you

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>> end up using as the coax of choice?

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>> Thanks very much.

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>> [Non-text portions of this message have been removed]

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Windows Live Hotmail now works up to 70% faster.
http://windowslive.com/Explore/Hotmail?ocid=TXT_TAGLM_WL_hotmail_acq_faster_112008

[Non-text portions of this message have been removed]

6957. Re: AW: [ham-antennas] 1/2 wave 11m antenna mod

Yahoo group: ham-antennas (2008)
Date: 2008-11-26 23:17:43 UTC
From: Doug Chlan
Topic: 6942 Message: 6957

Thanks for the help and reply Sigi!

Did as you said and I'm extremely pleased. I feel like a real ham now, homebrewed an HF antenna and it actually works! Only 1 problem left to overcome, my wife hates it, says it's too tall, wants to pull it down when I'm not looking! Ha! Ha! I told her if she doesn't watch out a 70 foot tower is going up with some stacked Yagi's on it! Ha! Ha! Again thanks for your help...73...

Cheers!
Doug...
VE3GHQ/VA30005SWL

_____
Looking for the perfect gift? Give the gift of Flickr!

http://www.flickr.com/gift/

[Non-text portions of this message have been removed]

6958. Re: [ham-antennas] Re: Recommendations for Long Coax Run

Yahoo group: ham-antennas (2008)
Date: 2008-11-26 23:27:52 UTC
From: Troy Wideman
Topic: 6923 Message: 6958

In the ARRL Antenna Handbook it suggests that it would be fine as long as the separation from the conductive roof (etc.) is at least 2 1/2 times the spacing of the "ladder line". I have used home brew parallel feed line for over 50 years and it goes up the side of my metal tower--but, it is spaced about 4 times the width of my feed line. Works fine.
73,
Troy, W6HV

From: "john baker" <xjjb4x4@...>
Sent: Wednesday, November 26, 2008 2:35 PM
To: <ham-antennas@yahoogroups.com>
Subject: [ham-antennas] Re: Recommendations for Long Coax Run

> What if that ladder line was run thru pvc conduit, along the roof and
> underground? The best of both worlds....or not? Trying to think
> outside the box here.
>
> jb
> kgbiw
>

6959. Re: [ham-antennas] Re: Recommendations for Long Coax Run

Yahoo group: ham-antennas (2008)
Date: 2008-11-26 23:51:49 UTC
From: Jim Coon
Topic: 6923 Message: 6959

It won't work. The electromagnetic lines go through PVC and will be impaired by the proximity of the surrounds. Remember those TV standoff insulators of long ago?

john baker wrote:
>
> What if that ladder line was run thru pvc conduit, along the roof and
> underground? The best of both worlds....or not? Trying to think
> outside the box here.
>
> jb
> kgbiw
>
> --- In ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>, "Jim Coon" <liteways@...> wrote:
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> Also,
> > you will have to be carefull how you run it across the metal roof.
> COAX is
> > what he should be using. RG6 should work but the impedance is 75
> ohms
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> <grailknight_2@...>wrote:
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> on 17m. At
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> With
> > > ladder line the losses would be 0.6db on 40, 0.882 on 20m, 1.007
> on 17m as
> > > you can see a major difference. hope this helps.
> > > Danny
> > > WB9RIM
> > >
> > > _____
> > > From: johnsobryan <johnsobryan@... <johnsobryan%40yahoo.com>>
> > > To: ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com> <ham-antennas%40yahoogroups.com>
> > > Sent: Tuesday, November 25, 2008 7:53:49 AM
> > > Subject: [ham-antennas] Recommendations for Long Coax Run

> > >
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> > > Thanks very much.
> > >
> > > [Non-text portions of this message have been removed]
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> > --
> > Jim
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> > [Non-text portions of this message have been removed]
> >
>
>

6960. Re: [ham-antennas] Re: Recommendations for Long Coax Run

Yahoo group: ham-antennas (2008)
Date: 2008-11-27 00:00:51 UTC
From: Jim Coon
Topic: 6923 Message: 6960

Exactly, it has to be spaced away from conductive roof and the ground.

Troy Wideman wrote:
>
> In the ARRL Antenna Handbook it suggests that it would be fine as long as
> the separation from the conductive roof (etc.) is at least 2 1/2 times
> the
> spacing of the "ladder line". I have used home brew parallel feed line
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> over 50 years and it goes up the side of my metal tower--but, it is
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> 73,
> Troy, W6HV
>
> ----------
> From: "john baker" <xjjb4x4@... <mailto:xjjb4x4%40yahoo.com>>
> Sent: Wednesday, November 26, 2008 2:35 PM
> To: <ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>>
> Subject: [ham-antennas] Re: Recommendations for Long Coax Run
>
> > What if that ladder line was run thru pvc conduit, along the roof and
> > underground? The best of both worlds....or not? Trying to think
> > outside the box here.
> >
> > jb
> > kgbiw
> >
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>

6961. Re: [ham-antennas] Tuner Location

Yahoo group: ham-antennas (2008)
Date: 2008-11-27 00:02:22 UTC
From: Jim Coon
Topic: 6947 Message: 6961

I don't think it will make a difference with a 1:1 balun. You have the same currents and losses eitehr way.

Rick wrote:
>
> How much loss,if any, would I have if I place my tuner in my shack
> rather than have a remote tuner at my antenna base. The run is around
> 25 feet from the antenna to the shack. I have a 40ft vertical with a
> 1:1 balun on it.
>
> Thanks
> Rick/WA6ES
>
>

6962. RE: [ham-antennas] Tuner Location

Yahoo group: ham-antennas (2008)
Date: 2008-11-27 02:25:19 UTC
From: Richard Schmuke
Topic: 6947 Message: 6962

Before I try an answer , is the 40ft vert just a alum pole to be used on different bands?? If it is to be used as a mulit band antenna then the tuner need to be at the base , if it is at the transmitter then the coax run becomes part of the antenna and you can get more losses depending how the coax is run.

Rich , KDØZZ

Disclaimer: Any errors in spelling or facts are transmission errors.

Subject: [ham-antennas] Tuner Location

How much loss,if any, would I have if I place my tuner in my shack rather than have a remote tuner at my antenna base. The run is around 25 feet from the antenna to the shack. I have a 40ft vertical with a 1:1 balun on it.

Thanks
Rick/WA6ES

[Non-text portions of this message have been removed]

6963. AW: [ham-antennas] 1/2 wave 11m antenna mod

Yahoo group: ham-antennas (2008)
Date: 2008-11-27 12:24:37 UTC
From: Siegfried Jackstien
Topic: 6942 Message: 6963

dear doug
callum made it a multiband vertical with an autotuner direct at the base
(sgc230 is one)
they were cheap and you can tune your vertical on almost any band BUT can
only handle 100w
there is an autotuner for 500w but it is not so cheap :-)
or you can look for an "aag100" autotuner on a hamfest
it can handle legal limit
it is a military device made for 100w but the components are big enough for
a "gallon"
glad to hear that all worked good for you
if your wife doesn´t love the antenna push her to make a license "grin"
best 73´s de dg9bfc

-----Ursprüngliche Nachricht-----
Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]Im
Auftrag von Doug Chlan
Gesendet: Donnerstag, 27. November 2008 00:00
An: ham-antennas@yahoogroups.com
Betreff: RE: [ham-antennas] 1/2 wave 11m antenna mod

Hi Callum,

I didn't think it was going to work on 80m. Decided to give it a try and
after tuning it I was able to check in to the ONTARS Net on 3.755 Mhz and
actually carried on a little conversation with the net controller. Prior to
this I was mostly unsuccessful. What is this SG230 you speak of?

Cheers!
Doug...
VE3GHQ/VA30005SWL

_____
Yahoo! Canada Toolbar: Search from anywhere on the web, and bookmark your
favourite sites. Download it now at
http://ca.toolbar.yahoo.com.

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

6964. Re: Tuner Location

Yahoo group: ham-antennas (2008)
Date: 2008-11-27 14:18:07 UTC
From: Rick
Topic: 6947 Message: 6964

Good question, The antenna is a wire on a 40ft wonderpole/flagpole. I
am using an SGC tuner now but need to put that back in the car.

Thanks
Rick/WA6ES
--- In ham-antennas@yahoogroups.com, "Richard Schmuke" <rdj@...> wrote:
>
> Before I try an answer , is the 40ft vert just a alum pole to be used on
> different bands?? If it is to be used as a mulit band antenna then
the tuner
> need to be at the base , if it is at the transmitter then the coax run
> becomes part of the antenna and you can get more losses depending
how the
> coax is run.
>
>
>
> Rich , KDØZZ
>
> Disclaimer: Any errors in spelling or facts are transmission errors.
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>
> Subject: [ham-antennas] Tuner Location
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>
>
> How much loss,if any, would I have if I place my tuner in my shack
> rather than have a remote tuner at my antenna base. The run is around
> 25 feet from the antenna to the shack. I have a 40ft vertical with a
> 1:1 balun on it.
>
> Thanks
> Rick/WA6ES
>
>
>
>
>

> [Non-text portions of this message have been removed]
>

6965. RE: [ham-antennas] Re: Tuner Location

Yahoo group: ham-antennas (2008)
Date: 2008-11-27 15:21:44 UTC
From: Richard Schmuke
Topic: 6947 Message: 6965

OK , now think of that as ½ of a dipole , it will be good at about 5.85Mhz anywhere else and you will need capacitance , inductance or both to get it resonate , it will make a 5/8 wave for the20m band.

I would not recommend it without a tuner at the base, or a remote relay system for the bands you want.

Rich , KDØZZ

Disclaimer: Any errors in spelling or facts are transmission errors.

Subject: [ham-antennas] Re: Tuner Location

Good question, The antenna is a wire on a 40ft wonderpole/flagpole. I am using an SGC tuner now but need to put that back in the car.

Thanks
Rick/WA6ES
--- In ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
, "Richard Schmuke" <rdj@...> wrote:
>
> Before I try an answer , is the 40ft vert just a alum pole to be used on
> different bands?? If it is to be used as a mulit band antenna then
the tuner
> need to be at the base , if it is at the transmitter then the coax run
> becomes part of the antenna and you can get more losses depending
how the
> coax is run.
>
>
>
> Rich , KDØZZ
>
> Disclaimer: Any errors in spelling or facts are transmission errors.
>
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>
>
>
> Subject: [ham-antennas] Tuner Location
>
>

>
> How much loss,if any, would I have if I place my tuner in my shack
> rather than have a remote tuner at my antenna base. The run is around
> 25 feet from the antenna to the shack. I have a 40ft vertical with a
> 1:1 balun on it.
>
> Thanks
> Rick/WA6ES
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

[Non-text portions of this message have been removed]

6966. RE: [ham-antennas] Tuner Location

Yahoo group: ham-antennas (2008)
Date: 2008-11-27 15:23:11 UTC
From: Jerry Stern
Topic: 6947 Message: 6966

I Have the DX Engineering 43' multiband vertical. All it is is a series of tapered aluminum poles. They recommend a 4:1 balum at the base and a good tuner in the shack. They claim (and I tend to believe them more than most based on past experieinces with their tech people) that the loss is very low. I put up about sixty radials each 70' long and this vertical is outperforming my old Hustler 6-BTV by many dB based on new range of DX contacts and signal reports. Plus I painted the vertical (non-metallic paint) in a camo pattern and it is vitually invisible to anyone beyond my 1/2 acre property line.

73 Jerry
K1JOS

-----Original Message-----
From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Richard Schmuke
Sent: Wednesday, November 26, 2008 9:25 PM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Tuner Location

Before I try an answer , is the 40ft vert just a alum pole to be used on different bands?? If it is to be used as a mulit band antenna then the tuner need to be at the base , if it is at the transmitter then the coax run becomes part of the antenna and you can get more losses depending how the coax is run.

Rich , KDØZZ

Disclaimer: Any errors in spelling or facts are transmission errors.

Subject: [ham-antennas] Tuner Location

How much loss,if any, would I have if I place my tuner in my shack rather than have a remote tuner at my antenna base. The run is around 25 feet from the antenna to the shack. I have a 40ft vertical with a 1:1 balun on it.

Thanks
Rick/WA6ES

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

6967. RE: [ham-antennas] 1/2 wave 11m antenna mod

Yahoo group: ham-antennas (2008)
Date: 2008-11-27 17:32:28 UTC
From: Callum M0MCX
Topic: 6942 Message: 6967

>>> only handle 100w

200w SSB for the SG230.

Cheers,

Callum McCormick

http://www.m0mcx.co.uk/

From: ham-antennas@...m [mailto:ham-antennas@yahoogroups.com] On
Behalf Of Siegfried Jackstien
Sent: 27 November 2008 12:25
To: ham-antennas@yahoogroups.com
Subject: AW: [ham-antennas] 1/2 wave 11m antenna mod

dear doug
callum made it a multiband vertical with an autotuner direct at the base
(sgc230 is one)
they were cheap and you can tune your vertical on almost any band BUT can
only handle 100w
there is an autotuner for 500w but it is not so cheap :-)
or you can look for an "aag100" autotuner on a hamfest
it can handle legal limit
it is a military device made for 100w but the components are big enough for
a "gallon"
glad to hear that all worked good for you
if your wife doesn´t love the antenna push her to make a license "grin"
best 73´s de dg9bfc

-----Ursprüngliche Nachricht-----
Von: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
[mailto:ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
]Im
Auftrag von Doug Chlan
Gesendet: Donnerstag, 27. November 2008 00:00
An: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
Betreff: RE: [ham-antennas] 1/2 wave 11m antenna mod

Hi Callum,

I didn't think it was going to work on 80m. Decided to give it a try and
after tuning it I was able to check in to the ONTARS Net on 3.755 Mhz and
actually carried on a little conversation with the net controller. Prior to
this I was mostly unsuccessful. What is this SG230 you speak of?

Cheers!
Doug...
VE3GHQ/VA30005SWL

_____
Yahoo! Canada Toolbar: Search from anywhere on the web, and bookmark your
favourite sites. Download it now at
http://ca.toolbar.yahoo.com.

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

6968. RE: [ham-antennas] Re: Tuner Location

Yahoo group: ham-antennas (2008)
Date: 2008-11-27 17:54:10 UTC
From: Richard Schmuke
Topic: 6947 Message: 6968

If you want to shorten it a few feet K6MHE has a great 20M@5/8 , 40M 1/4 vertical , auto switching , no relays, simple to build from a junk box supply of parts at his web site , it was also in QST, Sept, 2005.

Rich , KDØZZ

Disclaimer: Any errors in spelling or facts are transmission errors.

Subject: [ham-antennas] Re: Tuner Location

Good question, The antenna is a wire on a 40ft wonderpole/flagpole. I am using an SGC tuner now but need to put that back in the car.

Thanks
Rick/WA6ES
--- In ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
, "Richard Schmuke" <rdj@...> wrote:
>
> Before I try an answer , is the 40ft vert just a alum pole to be used on
> different bands?? If it is to be used as a mulit band antenna then
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> need to be at the base , if it is at the transmitter then the coax run
> becomes part of the antenna and you can get more losses depending
how the
> coax is run.
>
>
>

[Non-text portions of this message have been removed]

6969. Re: [ham-antennas] 2 meters on a motorcycle

Yahoo group: ham-antennas (2008)
Date: 2008-11-27 18:54:01 UTC
From: Earl Needham
Topic: 6910 Message: 6969

rrath wrote:
> Hello to the list. I plan to use my motorcycle in next
> years local Marathon for radio communications. Can
> you give me an idea on the antenna. No ground plane
> on a motorcycle. I know Motorcycle Police do have an
> antenna on their bikes. Anyone willing to help me out
> here? Thank you.
>
> Rod
>
Hi, Rod. Two meters should be EASY on a motorcycle. I've seen all the recommendations for no-ground-plane antennas, but if you have a luggage rack, run down to a truck stop and get a mirror-mount for a 3/8"X24 CB antenna. These mounts will bolt to a tubular luggage rack just fine. You then have the option of using an actual 3/8"X24 2-meter antenna, like the Hustler SF-2, seen at <http://www.universal-radio.com/catalog/hamantm/1999.html> -- or you can remove the 3/8"X24 hardware, drill out the plate and install an SO-239 "bullet" and run something like a Comet SB-15 that mounts on a "UHF" mont -- see one at <http://www.universal-radio.com/catalog/hamantm/1167.html>

As for a ground plane -- well, years ago I mounted a Hustler HF antenna on the crash bars of my 1977 Gold Wing and worked all over the world with it, and most of the guys I worked were just incredulous that I was on a motorcycle, until I keyed the mic and revved the engine. The crash bars and frame of the bike were enough for 20 meters, and a luggage rack will work on 2-meters -- I've done that, too. Unfortunately haven't had a bike for about 10 years now, maybe have another one day.

7 3
Earl
--
KD5XB -- Earl Needham
Clovis, New Mexico DM84jk
http://groups.yahoo.com/group/cw_bugs
Quoting from the Coast Guard: ZUT

6970. AW: [ham-antennas] Re: Tuner Location

Yahoo group: ham-antennas (2008)
Date: 2008-11-27 19:53:12 UTC
From: Siegfried Jackstien
Topic: 6947 Message: 6970

dear rich
where can i find the antenna (20m 5/8 and 40m 1/4)
greetz
dg9bfc / sigi
-----Ursprüngliche Nachricht-----
Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]Im Auftrag von Richard Schmuke
Gesendet: Donnerstag, 27. November 2008 18:54
An: ham-antennas@yahoogroups.com
Betreff: RE: [ham-antennas] Re: Tuner Location

If you want to shorten it a few feet K6MHE has a great 20M@5/8 , 40M 1/4 vertical , auto switching , no relays, simple to build from a junk box supply of parts at his web site , it was also in QST, Sept, 2005.

Rich , KDØZZ

Disclaimer: Any errors in spelling or facts are transmission errors.

Subject: [ham-antennas] Re: Tuner Location

Good question, The antenna is a wire on a 40ft wonderpole/flagpole. I am using an SGC tuner now but need to put that back in the car.

Thanks
Rick/WA6ES
--- In ham-antennas@yahoogroups.com
<mailto:ham-antennas%40yahoogroups.com>
, "Richard Schmuke" <rdj@...> wrote:
>
> Before I try an answer , is the 40ft vert just a alum pole to be used on
> different bands?? If it is to be used as a mulit band antenna then the tuner
> need to be at the base , if it is at the transmitter then the coax run
> becomes part of the antenna and you can get more losses depending how the
> coax is run.
>
>
>

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[Non-text portions of this message have been removed]

6971. Re: [ham-antennas] 2 meters on a motorcycle

Yahoo group: ham-antennas (2008)
Date: 2008-11-27 20:15:58 UTC
From: jeff
Topic: 6910 Message: 6971

Earl Needham wrote:
> incredulous that I was on a motorcycle, until I keyed the mic and
> revved the engine. The crash bars and frame of the bike were enough
> for 20 meters, and a luggage rack will work on 2-meters --

"Hang on, OM.. I need to switch from the luggage rack to the handlebars." :)

--

ThermionicEmissions [the blog]
http://www.lockergnome.com/leftystrat

6972. G5RV

Yahoo group: ham-antennas (2008)
Date: 2008-11-28 02:45:09 UTC
From: al_kozakiewicz
Topic: 565 Message: 6972

Some background: I'm returning to ham radio after a 35 year hiatus. I was in a hurry to get on the air. To make a long story short, I bought a commercial (MFJ) G5RV antenna mainly because I had two very convenient trees 110' apart and the centerpoint of the antenna ended up about 10' from the corner of the house where my shack is. The rig is an old Kenwood TS-820S with an AT-200 tuner. The antenna is fed with RG-8U and an air choke I created by winding abou 20' of the coax around a piece of 4" PVC pipe. The wire is only about 20-25' up.

I _know_ the G5RV is a compromise antenna. It looks like the bands I want to operate on mostly are 80 and 20. Most of the time I get to dedicate to the hobby are evenings and every band is dead then except 80 and 160. 20 has activity during the day, which works for me on weekends. The antenna seems to be OK on that band, though the SWR never drops below 3:1 anwhere in the band without the tuner. 40 seems hopeless at night with all the SW stations every 20 kHz or so.

I'm planning to put up some 'real' antennas soon. I'm thinking of an inverted V for 80, or maybe a delta loop that will fit in the same footprint and could work on 40 and possibly 160 as well. I'm not sure about the supports I have available that don't involve a long feedline and whether I can get the center up to the 55' that seems to be optimal. For 20, I'm thinking about a compact 2 element yagi that I can mount to the house with a rotator that won't be conspicuous from the street.

Anyway, back to the G5RV. I spent about 5 hours operating in the ARRL sweepstakes contest a few weeks ago in order to gauge what I can do with the current setup. I managed to work 37 sections, including the Virgin Islands and the west coast, and mostly on 80, so the thing isn't totally useless.

Here's the thing that has me puzzled and annoyed. There's an informal group that operates just below the 80m DX window late most nights, around 3787. QTH's range from England to Florida. Most are running beams on towers and legal limit amplifiers. I can make contact with most, but they can usually barely hear me. I'm hoping the inverted V and a linear will improve on that.

I also like to participate on a regional net that operates on 3872. The net control most nights is a ham that is located less than 20 miles away and usually HE CAN'T HEAR ME AT ALL!!! I can't figure that one out to save my life! Does my antenna have some unusual characteristic that prevents it from radiating at that frequency? I did have to add a 10' patch cord to the feedline in order to get the (tuned) SWR down from a 3:1 to below 2:1 on 80. Does that indicate

some wierd problem?

Any comments would be appreciated!

Regards,

Al
AB2ZY

6973. Re: G5RV

Yahoo group: ham-antennas (2008)
Date: 2008-11-28 03:33:36 UTC
From: Scott Laughlin
Topic: 565 Message: 6973

Al,

I've used a G5RV for over a decade. The G5RV likes 80 and 40 better than 15 and 20. Still, several times I've worked nearly a thousand miles with a 75mw homebrew rig and the old G5RV.

If I were you I would start unwinding the air choke a turn at a time and see if there's a point where the SWRs improve. That SWR should go to 1:1 without much troubke. If that doesn't help pull it down and be sure everything is securly soldered at the apex. Be sure you coax between the tuner and your radio is good. I certainly wouldn't give up. The G5RV is one of the most forgiving antennas I can think of.

Today I worked Oak Harbor, WA with 4 watts and MN with 5.

Keep us posted.

72 de Scott/n7net/qrp

--- In ham-antennas@yahoogroups.com, "al_kozakiewicz" <akozak@...> wrote:
>
> Some background: I'm returning to ham radio after a 35 year hiatus.
> I was in a hurry to get on the air. To make a long story short, I
> bought a commercial (MFJ) G5RV antenna mainly because I had two very
> convenient trees 110' apart and the centerpoint of the antenna ended
> up about 10' from the corner of the house where my shack is. The rig
> is an old Kenwood TS-820S with an AT-200 tuner. The antenna is fed
> with RG-8U and an air choke I created by winding abou 20' of the coax
> around a piece of 4" PVC pipe. The wire is only about 20-25' up.
>
> I _know_ the G5RV is a compromise antenna. It looks like the bands I
> want to operate on mostly are 80 and 20. Most of the time I get to
> dedicate to the hobby are evenings and every band is dead then except
> 80 and 160. 20 has activity during the day, which works for me on
> weekends. The antenna seems to be OK on that band, though the SWR
> never drops below 3:1 anwhere in the band without the tuner. 40 seems

> hopeless at night with all the SW stations every 20 kHz or so.
>
> I'm planning to put up some 'real' antennas soon. I'm thinking of
an
> inverted V for 80, or maybe a delta loop that will fit in the same
> footprint and could work on 40 and possibly 160 as well. I'm not
> sure about the supports I have available that don't involve a long
> feedline and whether I can get the center up to the 55' that seems
to
> be optimal. For 20, I'm thinking about a compact 2 element yagi
that
> I can mount to the house with a rotator that won't be conspicuous
> from the street.
>
> Anyway, back to the G5RV. I spent about 5 hours operating in the
> ARRL sweepstakes contest a few weeks ago in order to gauge what I
can
> do with the current setup. I managed to work 37 sections,
including
> the Virgin Islands and the west coast, and mostly on 80, so the
thing
> isn't totally useless.
>
> Here's the thing that has me puzzled and annoyed. There's an
> informal group that operates just below the 80m DX window late most
> nights, around 3787. QTH's range from England to Florida. Most
are
> running beams on towers and legal limit amplifiers. I can make
> contact with most, but they can usually barely hear me. I'm hoping
> the inverted V and a linear will improve on that.
>
> I also like to participate on a regional net that operates on
3872.
> The net control most nights is a ham that is located less than 20
> miles away and usually HE CAN'T HEAR ME AT ALL!!! I can't figure
> that one out to save my life! Does my antenna have some unusual
> characteristic that prevents it from radiating at that frequency?
I
> did have to add a 10' patch cord to the feedline in order to get
the
> (tuned) SWR down from a 3:1 to below 2:1 on 80. Does that indicate
> some wierd problem?
>
> Any comments would be appreciated!
>
> Regards,
>
> Al
> AB2ZY
>

6974. Re: [ham-antennas] G5RV

Yahoo group: ham-antennas (2008)
Date: 2008-11-28 04:21:25 UTC
From: Earl Needham
Topic: 565 Message: 6974

al_kozakiewicz wrote:
> <snip>
> Here's the thing that has me puzzled and annoyed. There's an
> informal group that operates just below the 80m DX window late most
> nights, around 3787. QTH's range from England to Florida. Most are
> running beams on towers and legal limit amplifiers. I can make
> contact with most, but they can usually barely hear me. I'm hoping
> the inverted V and a linear will improve on that.
>
I suspect an actual dipole or inverted-V will make a big difference
here. If you hang it low -- maybe 20' up -- you'll get basically
omnidirectional coverage with a high angle of radiation -- think NVIS.
Probably about right for a net like you're thinking of.
> I also like to participate on a regional net that operates on 3872.
> The net control most nights is a ham that is located less than 20
> miles away and usually HE CAN'T HEAR ME AT ALL!!! I can't figure
> that one out to save my life!
Sounds to me like he's in your skip zone. Do others on that same
net hear you?
> Does my antenna have some unusual
> characteristic that prevents it from radiating at that frequency? I
> did have to add a 10' patch cord to the feedline in order to get the
> (tuned) SWR down from a 3:1 to below 2:1 on 80. Does that indicate
> some wierd problem?
>
What that indicates to me is that the antenna isn't really working
that well, and that extra coax is acting as an impedance transformer to
make your rig happy. I think an actual dipole or inverted-V will
operate a whole lot better in this case.

7 3
Earl

--
KD5XB -- Earl Needham
Clovis, New Mexico DM84jk
http://groups.yahoo.com/group/cw_bugs
Quoting from the Coast Guard: ZUT

6975. Re: [ham-antennas] G5RV

Yahoo group: ham-antennas (2008)
Date: 2008-11-28 04:30:11 UTC
From: Ruben Echevarria
Topic: 565 Message: 6975

Just my 2 cents: For a year I used an MFJ G5RV with very little success, yes I made contacts and had some fun but just nothing worth bragging about, I then installed an Alpha Delta DC-CC dipole
and the world opened up. I'll never use a G5RV again. Nothing against MFJ, I use plenty of their accessories with great success.
 Ruben Echevarria KA2HHB
SKCC #2132 EPC#3390
10-10 International Club #33308
30Meter Digital Group #1148

From: Earl Needham <needhame1@...>
To: ham-antennas@yahoogroups.com
Sent: Thursday, November 27, 2008 11:21:25 PM
Subject: Re: [ham-antennas] G5RV

al_kozakiewicz wrote:
> <snip>
> Here's the thing that has me puzzled and annoyed. There's an
> informal group that operates just below the 80m DX window late most
> nights, around 3787. QTH's range from England to Florida. Most are
> running beams on towers and legal limit amplifiers. I can make
> contact with most, but they can usually barely hear me. I'm hoping
> the inverted V and a linear will improve on that.
>
I suspect an actual dipole or inverted-V will make a big difference
here. If you hang it low -- maybe 20' up -- you'll get basically
omnidirectional coverage with a high angle of radiation -- think NVIS.
Probably about right for a net like you're thinking of.
> I also like to participate on a regional net that operates on 3872.
> The net control most nights is a ham that is located less than 20
> miles away and usually HE CAN'T HEAR ME AT ALL!!! I can't figure
> that one out to save my life!
Sounds to me like he's in your skip zone. Do others on that same
net hear you?
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> characteristic that prevents it from radiating at that frequency? I
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> (tuned) SWR down from a 3:1 to below 2:1 on 80. Does that indicate
> some wierd problem?
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What that indicates to me is that the antenna isn't really working
that well, and that extra coax is acting as an impedance transformer to
make your rig happy. I think an actual dipole or inverted-V will
operate a whole lot better in this case.

7 3
Earl

--
KD5XB -- Earl Needham
Clovis, New Mexico DM84jk
http://groups. yahoo.com/ group/cw_ bugs
Quoting from the Coast Guard: ZUT

[Non-text portions of this message have been removed]

6976. Re: G5RV

Yahoo group: ham-antennas (2008)
Date: 2008-11-28 04:49:52 UTC
From: al_kozakiewicz
Topic: 565 Message: 6976

The RG-8U coax is brand new, bought from a local supplier who's been in business for 50 years. Cost nearly a buck a foot...ouch! I would have used RG-8x if they had it, but I was in a hurry...

I thought the G5RV was resonant on 20m and expected the antenna to exhibit something approaching the "ideal" 1.8:1 SWR without a tuner. Beyond not being able to establish a QSO with a guy 20 miles away, that's the main thing that got me thinking something is wrong.

Since it's a manufactured antenna and it's less than a month old, I wouldn't think connections would be a problem, but I'll check anyway.

Why do you think removing turns from the choke would help?

Thanks and regards,

Al
AB2ZY

--- In ham-antennas@yahoogroups.com, "Scott Laughlin" <n7net@...>
wrote:
>
> Al,
>
> I've used a G5RV for over a decade. The G5RV likes 80 and 40
better
> than 15 and 20. Still, several times I've worked nearly a thousand
> miles with a 75mw homebrew rig and the old G5RV.
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> If I were you I would start unwinding the air choke a turn at a
time
> and see if there's a point where the SWRs improve. That SWR should
> go to 1:1 without much troubke. If that doesn't help pull it down
> and be sure everything is securly soldered at the apex. Be sure
you
> coax between the tuner and your radio is good. I certainly
wouldn't
> give up. The G5RV is one of the most forgiving antennas I can
think
> of.
>
> Today I worked Oak Harbor, WA with 4 watts and MN with 5.
>
> Keep us posted.
>
> 72 de Scott/n7net/qrp

>

6977. Re: G5RV

Yahoo group: ham-antennas (2008)
Date: 2008-11-28 05:04:34 UTC
From: al_kozakiewicz
Topic: 565 Message: 6977

--- In ham-antennas@yahoogroups.com, Earl Needham <needhame1@...> wrote:
> Sounds to me like he's in your skip zone. Do others on that same
> net hear you?

To varying degrees, yes, but it's not universal. In one of the more absurd examples, a ham in MD (I'm located near Albany NY) was relaying a summary of my conversation to the net control guy 20 miles away from me. Based on how many of the details he got wrong, I suspect he wasn't hearing me very well either. It seems to be something about that end of the 75m band. When I operating in the extra class segment I seem to get better results. That observation, by the way, is completely anecdotal.

I know that at 80m and the relatively low height, the antenna going to be omnidirectional and have a high radiation angle, but shouldn't I still have something of a ground wave for 20 miles?

Thanks and regards,

Al
AB2ZY

6978. Re: [ham-antennas] G5RV

Yahoo group: ham-antennas (2008)
Date: 2008-11-28 05:06:57 UTC
From: Steve Friis
Topic: 565 Message: 6978

There is a world of difference from the MFJ G5RV and one made from the original spec, and even one made to the modified spec. (look on google) Mine is 102 feet long, fed in the center with 450 Ohm window line, not twin lead. The feed line is 38 feet long, and no balun or choke needed. I used one made this way for field day this past summer. The apex was at 39 feet, and I used only 25 feet of LMR400 coax to the RV. We ran only 5 watts SSB, and made over 150 contacts. Keep in mind, my health problems only let me operate 2-3 hours on, and then I had to rest. Yes, it is a compromise antenna, but not a bad compromise. I used it on 75, 40 and 20 meters with an MFJ antenna tuner.

Steve/WM5Z

Ruben Echevarria wrote:
> Just my 2 cents: For a year I used an MFJ G5RV with very little success, yes I made contacts and had some fun but just nothing worth bragging about, I then installed an Alpha Delta DC-CC dipole
> and the world opened up. I'll never use a G5RV again. Nothing against MFJ, I use plenty of their accessories with great success.
> Ruben Echevarria KA2HHB
> SKCC #2132 EPC#3390
> 10-10 International Club #33308
> 30Meter Digital Group #1148
>
>
>
>
> _____
> From: Earl Needham <needhame1@...>
> To: ham-antennas@yahoogroups.com
> Sent: Thursday, November 27, 2008 11:21:25 PM
> Subject: Re: [ham-antennas] G5RV
>
>
> al_kozakiewicz wrote:
>
>> <snip>
>> Here's the thing that has me puzzled and annoyed. There's an
>> informal group that operates just below the 80m DX window late most
>> nights, around 3787. QTH's range from England to Florida. Most are
>> running beams on towers and legal limit amplifiers. I can make
>> contact with most, but they can usually barely hear me. I'm hoping
>> the inverted V and a linear will improve on that.
>>
>>

> I suspect an actual dipole or inverted-V will make a big difference
> here. If you hang it low -- maybe 20' up -- you'll get basically
> omnidirectional coverage with a high angle of radiation -- think NVIS.
> Probably about right for a net like you're thinking of.
>
>> I also like to participate on a regional net that operates on 3872.
>> The net control most nights is a ham that is located less than 20
>> miles away and usually HE CAN'T HEAR ME AT ALL!!! I can't figure
>> that one out to save my life!
>>
> Sounds to me like he's in your skip zone. Do others on that same
> net hear you?
>
>> Does my antenna have some unusual
>> characteristic that prevents it from radiating at that frequency? I
>> did have to add a 10' patch cord to the feedline in order to get the
>> (tuned) SWR down from a 3:1 to below 2:1 on 80. Does that indicate
>> some wierd problem?
>>
>>
> What that indicates to me is that the antenna isn't really working
> that well, and that extra coax is acting as an impedance transformer to
> make your rig happy. I think an actual dipole or inverted-V will
> operate a whole lot better in this case.
>
> 7 3
> Earl
>
>

6979. Re: [ham-antennas] Re: G5RV

Yahoo group: ham-antennas (2008)
Date: 2008-11-28 05:08:50 UTC
From: Steve Friis
Topic: 565 Message: 6979

You are right, if it isn't working on 20, then something IS wrong.

Steve/WM5Z

al_kozakiewicz wrote:
> The RG-8U coax is brand new, bought from a local supplier who's been
> in business for 50 years. Cost nearly a buck a foot...ouch! I would
> have used RG-8x if they had it, but I was in a hurry...
>
> I thought the G5RV was resonant on 20m and expected the antenna to
> exhibit something approaching the "ideal" 1.8:1 SWR without a tuner.
> Beyond not being able to establish a QSO with a guy 20 miles away,
> that's the main thing that got me thinking something is wrong.
>
> Since it's a manufactured antenna and it's less than a month old, I
> wouldn't think connections would be a problem, but I'll check anyway.
>
> Why do you think removing turns from the choke would help?
>
> Thanks and regards,
>
> Al
> AB2ZY
>
>
> --- In ham-antennas@yahoogroups.com, "Scott Laughlin" <n7net@...>
> wrote:
>
>> Al,
>>
>> I've used a G5RV for over a decade. The G5RV likes 80 and 40
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> better
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>> than 15 and 20. Still, several times I've worked nearly a thousand
>> miles with a 75mw homebrew rig and the old G5RV.
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>> If I were you I would start unwinding the air choke a turn at a
>>
> time
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>> and see if there's a point where the SWRs improve. That SWR should
>> go to 1:1 without much troubke. If that doesn't help pull it down
>> and be sure everything is securly soldered at the apex. Be sure
>>

> you
>
>> coax between the tuner and your radio is good. I certainly
>>
> wouldn't
>
>> give up. The G5RV is one of the most forgiving antennas I can
>>
> think
>
>> of.
>>
>> Today I worked Oak Harbor, WA with 4 watts and MN with 5.
>>
>> Keep us posted.
>>
>> 72 de Scott/n7net/qrp
>>
>>
>
>
>
> ---
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 1446 members (as of 9/26/08, and attachments are NOT permitted.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
>
>

6980. Re: G5RV

Yahoo group: ham-antennas (2008)
Date: 2008-11-28 05:28:31 UTC
From: Scott Laughlin
Topic: 565 Message: 6980

Al,

I don't know that removing turns off the choke would help, but it might help. I've made several 2m J-poles that had erratic SWRs and putting a choke in the feed line, adding and subtracting turns until they settled down. It might work on your HF antenna.

I made a choke for my G5RV of six turns in about a six inch loop.

Where the twin lead changes to coax there might be a balun. It might be in a section of pvc about six inches long with caps on the ends. Be sure the holes are sealed.

If there isn't a balun in the line you might try letting the legs droop until the apex makes a 90 degree angle between the legs and then bring the lead straight down.

I suggested looking at the connections because I've heard at least one rumor of a MFJ antenna having connections that the solder person missed.

Before you give up go to the designer's web site.

http://www.astrosurf.com/luxorion/qsl-g5rv.htm

and see if there's something in there that will help solve the problem.

If all that fails I would contact whomever you bought the antenna from. I've found that working directly with MFJ is a very slow process.

All these steps shouldn't cost any money. I just hope I'm not making you waste your time.

72 de Scott/n7net/qrp

--- In ham-antennas@yahoogroups.com, "al_kozakiewicz" <akozak@...> wrote:
>
> The RG-8U coax is brand new, bought from a local supplier who's been
> in business for 50 years. Cost nearly a buck a foot...ouch! I would
> have used RG-8x if they had it, but I was in a hurry...
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> I thought the G5RV was resonant on 20m and expected the antenna to
> exhibit something approaching the "ideal" 1.8:1 SWR without a

tuner.
> Beyond not being able to establish a QSO with a guy 20 miles away,
> that's the main thing that got me thinking something is wrong.
>
> Since it's a manufactured antenna and it's less than a month old, I
> wouldn't think connections would be a problem, but I'll check
anyway.
>
> Why do you think removing turns from the choke would help?
>
> Thanks and regards,
>
> Al
> AB2ZY
>
>
> --- In ham-antennas@yahoogroups.com, "Scott Laughlin" <n7net@>
> wrote:
> >
> > Al,
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> > I've used a G5RV for over a decade. The G5RV likes 80 and 40
> better
> > than 15 and 20. Still, several times I've worked nearly a
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> > coax between the tuner and your radio is good. I certainly
> wouldn't
> > give up. The G5RV is one of the most forgiving antennas I can
> think
> > of.
> >
> > Today I worked Oak Harbor, WA with 4 watts and MN with 5.
> >
> > Keep us posted.
> >
> > 72 de Scott/n7net/qrp
> >
>

6981. Re: [ham-antennas] Re: G5RV

Yahoo group: ham-antennas (2008)
Date: 2008-11-28 05:45:43 UTC
From: Ruben Echevarria
Topic: 565 Message: 6981

Good article on the G5RV Al, thanks....
 Ruben Echevarria KA2HHB
SKCC #2132 EPC#3390
10-10 International Club #33308
30Meter Digital Group #1148

From: Scott Laughlin <n7net@...>
To: ham-antennas@yahoogroups.com
Sent: Friday, November 28, 2008 12:28:31 AM
Subject: [ham-antennas] Re: G5RV

Al,

I don't know that removing turns off the choke would help, but it might help. I've made several 2m J-poles that had erratic SWRs and putting a choke in the feed line, adding and subtracting turns until they settled down. It might work on your HF antenna.

I made a choke for my G5RV of six turns in about a six inch loop.

Where the twin lead changes to coax there might be a balun. It might be in a section of pvc about six inches long with caps on the ends. Be sure the holes are sealed.

If there isn't a balun in the line you might try letting the legs droop until the apex makes a 90 degree angle between the legs and then bring the lead straight down.

I suggested looking at the connections because I've heard at least one rumor of a MFJ antenna having connections that the solder person missed.

Before you give up go to the designer's web site.

http://www.astrosur f.com/luxorion/ qsl-g5rv. htm

and see if there's something in there that will help solve the problem.

If all that fails I would contact whomever you bought the antenna from. I've found that working directly with MFJ is a very slow process.

All these steps shouldn't cost any money. I just hope I'm not making you waste your time.

72 de Scott/n7net/ qrp

--- In ham-antennas@ yahoogroups. com, "al_kozakiewicz" <akozak@...>
wrote:
>
> The RG-8U coax is brand new, bought from a local supplier who's
been
> in business for 50 years. Cost nearly a buck a foot...ouch! I
would
> have used RG-8x if they had it, but I was in a hurry...
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> that's the main thing that got me thinking something is wrong.
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> Thanks and regards,
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> Al
> AB2ZY
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> --- In ham-antennas@ yahoogroups. com, "Scott Laughlin" <n7net@>
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> > Al,
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> > give up. The G5RV is one of the most forgiving antennas I can
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> > of.

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> > Today I worked Oak Harbor, WA with 4 watts and MN with 5.
> >
> > Keep us posted.
> >
> > 72 de Scott/n7net/ qrp
> >
>

[Non-text portions of this message have been removed]

6982. Re: [ham-antennas] Re: G5RV

Yahoo group: ham-antennas (2008)
Date: 2008-11-28 05:46:41 UTC
From: Ruben Echevarria
Topic: 565 Message: 6982

Oh sorry that was Scott.... on the article
 Ruben Echevarria KA2HHB
SKCC #2132 EPC#3390
10-10 International Club #33308
30Meter Digital Group #1148

From: Ruben Echevarria <ka2hhb_2000@yahoo.com>
To: ham-antennas@yahoogroups.com
Sent: Friday, November 28, 2008 12:45:43 AM
Subject: Re: [ham-antennas] Re: G5RV

Good article on the G5RV Al, thanks....
 Ruben Echevarria KA2HHB
SKCC #2132 EPC#3390
10-10 International Club #33308
30Meter Digital Group #1148

From: Scott Laughlin <n7net@...>
To: ham-antennas@yahoogroups.com
Sent: Friday, November 28, 2008 12:28:31 AM
Subject: [ham-antennas] Re: G5RV

Al,

I don't know that removing turns off the choke would help, but it might help. I've made several 2m J-poles that had erratic SWRs and putting a choke in the feed line, adding and subtracting turns until they settled down. It might work on your HF antenna.

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If there isn't a balun in the line you might try letting the legs droop until the apex makes a 90 degree angle between the legs and then bring the lead straight down.

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Before you give up go to the designer's web site.

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All these steps shouldn't cost any money. I just hope I'm not making
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72 de Scott/n7net/ qrp

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> > 72 de Scott/n7net/ qrp
> >
>

[Non-text portions of this message have been removed]

6983. Re: G5RV

Yahoo group: ham-antennas (2008)
Date: 2008-11-28 06:05:50 UTC
From: al_kozakiewicz
Topic: 565 Message: 6983

Scott,

I'm the absolute master at wasting my own time, so please don't worry about it ;^)

The MFJ antenna is pretty straightforward - 102', center fed with 34' (or whatever length the matching section is) of window line and terminated with an SO-239. No balun.

I just double checked. At 14.150 mHz with the tuner switched OUT, the SWR is 4:1. At 14.350, it's basically the same. It drops to 3:1 at 14.030. I'm measuring SWR at the tuner in the shack. If the consensus is that that is a problem, then at least I have a way to tell if I'm making an improvement as I troubleshoot.

Al
AB2ZY

--- In ham-antennas@yahoogroups.com, "Scott Laughlin" <n7net@...> wrote:
>
> Al,
>
> I don't know that removing turns off the choke would help, but it
> might help. I've made several 2m J-poles that had erratic SWRs and
> putting a choke in the feed line, adding and subtracting turns until
> they settled down. It might work on your HF antenna.
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> I made a choke for my G5RV of six turns in about a six inch loop.
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> Where the twin lead changes to coax there might be a balun. It might
> be in a section of pvc about six inches long with caps on the ends.
> Be sure the holes are sealed.
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> If there isn't a balun in the line you might try letting the legs
> droop until the apex makes a 90 degree angle between the legs and
> then bring the lead straight down.
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> I suggested looking at the connections because I've heard at least
> one rumor of a MFJ antenna having connections that the solder person
> missed.
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> http://www.astrosurf.com/luxorion/qsl-g5rv.htm
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> and see if there's something in there that will help solve the
> problem.
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> process.
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> All these steps shouldn't cost any money. I just hope I'm not
making
> you waste your time.
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> 72 de Scott/n7net/qrp
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> --- In ham-antennas@yahoogroups.com, "al_kozakiewicz" <akozak@>
> wrote:
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> > in business for 50 years. Cost nearly a buck a foot...ouch! I
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> > Thanks and regards,
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> > Al
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> > > Keep us posted.
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> > > 72 de Scott/n7net/qrp
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> >
>

6984. Re: [ham-antennas] Re: G5RV

Yahoo group: ham-antennas (2008)
Date: 2008-11-28 06:19:18 UTC
From: Earl Needham
Topic: 565 Message: 6984

al_kozakiewicz wrote:
> I know that at 80m and the relatively low height, the antenna going to
> be omnidirectional and have a high radiation angle, but shouldn't I
> still have something of a ground wave for 20 miles?
>
Maybe, although I know that 35 miles is totally out of the question, from experience years ago.

As for the G5RV -- I've never used one, but it sure sounds to me as if a dipole tunes up a lot easier! :-)

7 3
Earl

--
KD5XB -- Earl Needham
Clovis, New Mexico DM84jk
http://groups.yahoo.com/group/cw_bugs
Quoting from the Coast Guard: ZUT

6985. Loop Skywire?

Yahoo group: ham-antennas (2008)
Date: 2008-11-28 06:26:02 UTC
From: al_kozakiewicz
Topic: 6985 Message: 6985

I've been looking through the ARRL Wire Antenna Classics book. I've got a decent sized lot, but none of my trees seem to be in "right" location or of the "right" height to build a bunch of single purpose antennas.

At any rate, does anyone have any experience with something called the Loop Skywire? It's basically a full wavelength antenna folded into a square and fed directly with coax. It promises multiband operation (integral harmonics of the base design), low noise and a takeoff angle like a vertical. If it sounds too good to be true.....

If I use the house as one of the supports, I can probably fit this in the corner of the yard that's most conducive to antenna construction.

Al
AB2ZY

6986. Loop Skywire?

Yahoo group: ham-antennas (2008)
Date: 2008-11-28 06:23:21 UTC
From: al_kozakiewicz
Topic: 6985 Message: 6986

I've been looking through the ARRL Wire Antenna Classics book. I've got a decent sized lot, but none of my trees seem to be in "right" location or of the "right" height to build a bunch of single purpose antennas.

At any rate, does anyone have any experience with something called the Loop Skywire? It's basically a full wavelength antenna folded into a square and fed directly with coax. It promises multiband operation (integral harmonics of the base design), low noise and a takeoff angle like a vertical. If it sounds too good to be true.....

If I use the house as one of the supports, I can probably fit this in the corner of the yard that's most conducive to antenna construction.

Al
AB2ZY

6987. Re: G5RV

Yahoo group: ham-antennas (2008)
Date: 2008-11-28 13:05:15 UTC
From: Scott Laughlin
Topic: 565 Message: 6987

Hi Al,

Army MARS nets successfully operate statewide nets in the 75 meter range.

72 de Scott/n7net

--- In ham-antennas@yahoogroups.com, "al_kozakiewicz" <akozak@...> wrote:
>
> --- In ham-antennas@yahoogroups.com, Earl Needham <needhame1@> wrote:
> > Sounds to me like he's in your skip zone. Do others on that same
> > net hear you?
>
> To varying degrees, yes, but it's not universal. In one of the more
> absurd examples, a ham in MD (I'm located near Albany NY) was relaying
> a summary of my conversation to the net control guy 20 miles away from
> me. Based on how many of the details he got wrong, I suspect he wasn't
> hearing me very well either. It seems to be something about that end
> of the 75m band. When I operating in the extra class segment I seem to
> get better results. That observation, by the way, is completely
> anecdotal.
>
> I know that at 80m and the relatively low height, the antenna going to
> be omnidirectional and have a high radiation angle, but shouldn't I
> still have something of a ground wave for 20 miles?
>
> Thanks and regards,
>
> Al
> AB2ZY
>

6988. Re: [ham-antennas] Re: G5RV

Yahoo group: ham-antennas (2008)
Date: 2008-11-28 13:18:47 UTC
From: Jim Coon
Topic: 565 Message: 6988

Is it running near any downspouts, or other metal objects withing 2 feet
of it? Or is it hanging in the clear?

al_kozakiewicz wrote:
>
> Scott,
>
> I'm the absolute master at wasting my own time, so please don't worry
> about it ;^)
>
> The MFJ antenna is pretty straightforward - 102', center fed with 34'
> (or whatever length the matching section is) of window line and
> terminated with an SO-239. No balun.
>
> I just double checked. At 14.150 mHz with the tuner switched OUT,
> the SWR is 4:1. At 14.350, it's basically the same. It drops to 3:1
> at 14.030. I'm measuring SWR at the tuner in the shack. If the
> consensus is that that is a problem, then at least I have a way to
> tell if I'm making an improvement as I troubleshoot.
>
> Al
> AB2ZY
>
> --- In ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>, "Scott Laughlin" <n7net@...>
> wrote:
> >
> > Al,
> >
> > I don't know that removing turns off the choke would help, but it
> > might help. I've made several 2m J-poles that had erratic SWRs and
> > putting a choke in the feed line, adding and subtracting turns
> until
> > they settled down. It might work on your HF antenna.
> >
> > I made a choke for my G5RV of six turns in about a six inch loop.
> >
> > Where the twin lead changes to coax there might be a balun. It
> might
> > be in a section of pvc about six inches long with caps on the
> ends.
> > Be sure the holes are sealed.
> >
> > If there isn't a balun in the line you might try letting the legs
> > droop until the apex makes a 90 degree angle between the legs and

> > then bring the lead straight down.
> >
> > I suggested looking at the connections because I've heard at least
> > one rumor of a MFJ antenna having connections that the solder
> person
> > missed.
> >
> > Before you give up go to the designer's web site.
> >
> > http://www.astrosurf.com/luxorion/qsl-g5rv.htm
> <http://www.astrosurf.com/luxorion/qsl-g5rv.htm>
> >
> > and see if there's something in there that will help solve the
> > problem.
> >
> > If all that fails I would contact whomever you bought the antenna
> > from. I've found that working directly with MFJ is a very slow
> > process.
> >
> > All these steps shouldn't cost any money. I just hope I'm not
> making
> > you waste your time.
> >
> > 72 de Scott/n7net/qrp
> >
> > --- In ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>, "al_kozakiewicz" <akozak@>
> > wrote:
> > >
> > > The RG-8U coax is brand new, bought from a local supplier who's
> > been
> > > in business for 50 years. Cost nearly a buck a foot...ouch! I
> > would
> > > have used RG-8x if they had it, but I was in a hurry...
> > >
> > > I thought the G5RV was resonant on 20m and expected the antenna
> to
> > > exhibit something approaching the "ideal" 1.8:1 SWR without a
> > tuner.
> > > Beyond not being able to establish a QSO with a guy 20 miles
> away,
> > > that's the main thing that got me thinking something is wrong.
> > >
> > > Since it's a manufactured antenna and it's less than a month old,
> I
> > > wouldn't think connections would be a problem, but I'll check
> > anyway.
> > >
> > > Why do you think removing turns from the choke would help?
> > >

> > > Thanks and regards,
> > >
> > > Al
> > > AB2ZY
> > >
> > >
> > > --- In ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>, "Scott Laughlin" <n7net@>
> > > wrote:
> > > >
> > > > Al,
> > > >
> > > > I've used a G5RV for over a decade. The G5RV likes 80 and 40
> > > better
> > > > than 15 and 20. Still, several times I've worked nearly a
> > thousand
> > > > miles with a 75mw homebrew rig and the old G5RV.
> > > >
> > > > If I were you I would start unwinding the air choke a turn at a
> > > time
> > > > and see if there's a point where the SWRs improve. That SWR
> > should
> > > > go to 1:1 without much troubke. If that doesn't help pull it
> > down
> > > > and be sure everything is securly soldered at the apex. Be
> sure
> > > you
> > > > coax between the tuner and your radio is good. I certainly
> > > wouldn't
> > > > give up. The G5RV is one of the most forgiving antennas I can
> > > think
> > > > of.
> > > >
> > > > Today I worked Oak Harbor, WA with 4 watts and MN with 5.
> > > >
> > > > Keep us posted.
> > > >
> > > > 72 de Scott/n7net/qrp
> > > >
> > >
> >
>
>

6989. Re: [ham-antennas] Re: G5RV

Yahoo group: ham-antennas (2008)
Date: 2008-11-28 16:05:24 UTC
From: Bill
Topic: 565 Message: 6989

Hi Al
I used a G5RV for several years and finally abandoned it for a Super Loop. One thing to remember is that the G5RV will always have a high SWR and that is the reason for the extended length of the coaxial feedline. By utilizing the long coax the SWR at the interface is reduced substantially at the tranceiver.

After trying to get one to work for me I redesigned it to about 92 feet and used my Antenna Analyzer to cut the window wire to a length that worked well on both 40 and 80 meters. I did not use it on 20, though since I have 5 element beam for that band.

My 40/80 meter super loop is about the same overall length but requires a bit more height perhaps since the vertex is well below the horizontal section. It works well on 20 and the other bands, though, much better than the G5RV ever did.

All in all the G5RV is a very compromised antenna that should only be used where nothing else will fit (IMHO).

73
Bill
W7VP
----- Original Message -----
From: al_kozakiewicz
To: ham-antennas@yahoogroups.com
Sent: Thursday, November 27, 2008 10:05 PM
Subject: [ham-antennas] Re: G5RV

Scott,

I'm the absolute master at wasting my own time, so please don't worry
about it ;^)

The MFJ antenna is pretty straightforward - 102', center fed with 34'
(or whatever length the matching section is) of window line and
terminated with an SO-239. No balun.

I just double checked. At 14.150 mHz with the tuner switched OUT,
the SWR is 4:1. At 14.350, it's basically the same. It drops to 3:1
at 14.030. I'm measuring SWR at the tuner in the shack. If the
consensus is that that is a problem, then at least I have a way to
tell if I'm making an improvement as I troubleshoot.

Al
AB2ZY

--- In ham-antennas@yahoogroups.com, "Scott Laughlin" <n7net@...>
wrote:
>

> Al,
>
> I don't know that removing turns off the choke would help, but it
> might help. I've made several 2m J-poles that had erratic SWRs and
> putting a choke in the feed line, adding and subtracting turns
until
> they settled down. It might work on your HF antenna.
>
> I made a choke for my G5RV of six turns in about a six inch loop.
>
> Where the twin lead changes to coax there might be a balun. It
might
> be in a section of pvc about six inches long with caps on the
ends.
> Be sure the holes are sealed.
>
> If there isn't a balun in the line you might try letting the legs
> droop until the apex makes a 90 degree angle between the legs and
> then bring the lead straight down.
>
> I suggested looking at the connections because I've heard at least
> one rumor of a MFJ antenna having connections that the solder
person
> missed.
>
> Before you give up go to the designer's web site.
>
> http://www.astrosurf.com/luxorion/qsl-g5rv.htm
>
> and see if there's something in there that will help solve the
> problem.
>
> If all that fails I would contact whomever you bought the antenna
> from. I've found that working directly with MFJ is a very slow
> process.
>
> All these steps shouldn't cost any money. I just hope I'm not
making
> you waste your time.
>
> 72 de Scott/n7net/qrp
>
> --- In ham-antennas@yahoogroups.com, "al_kozakiewicz" <akozak@>
> wrote:
> >
> > The RG-8U coax is brand new, bought from a local supplier who's
> been
> > in business for 50 years. Cost nearly a buck a foot...ouch! I
> would
> > have used RG-8x if they had it, but I was in a hurry...

> >
> > I thought the G5RV was resonant on 20m and expected the antenna
to
> > exhibit something approaching the "ideal" 1.8:1 SWR without a
> tuner.
> > Beyond not being able to establish a QSO with a guy 20 miles
away,
> > that's the main thing that got me thinking something is wrong.
> >
> > Since it's a manufactured antenna and it's less than a month old,
I
> > wouldn't think connections would be a problem, but I'll check
> anyway.
> >
> > Why do you think removing turns from the choke would help?
> >
> > Thanks and regards,
> >
> > Al
> > AB2ZY
> >
> >
> > --- In ham-antennas@yahoogroups.com, "Scott Laughlin" <n7net@>
> > wrote:
> > >
> > > Al,
> > >
> > > I've used a G5RV for over a decade. The G5RV likes 80 and 40
> > better
> > > than 15 and 20. Still, several times I've worked nearly a
> thousand
> > > miles with a 75mw homebrew rig and the old G5RV.
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> > > If I were you I would start unwinding the air choke a turn at a
> > time
> > > and see if there's a point where the SWRs improve. That SWR
> should
> > > go to 1:1 without much troubke. If that doesn't help pull it
> down
> > > and be sure everything is securly soldered at the apex. Be
sure
> > you
> > > coax between the tuner and your radio is good. I certainly
> > wouldn't
> > > give up. The G5RV is one of the most forgiving antennas I can
> > think
> > > of.
> > >
> > > Today I worked Oak Harbor, WA with 4 watts and MN with 5.
> > >

> > > Keep us posted.
> > >
> > > 72 de Scott/n7net/qrp
> > >
> >
>

[Non-text portions of this message have been removed]

6990. RE: [ham-antennas] Loop Skywire?

Yahoo group: ham-antennas (2008)
Date: 2008-11-28 19:59:26 UTC
From: Callum M0MCX
Topic: 6985 Message: 6990

Al,

That□s my bag. You are right in your analysis. Use a 4:1 balun and coax to the shack for multi-band use. I have three up at the moment and on my smaller 40m one, have worked right around the globe on both 40m and 20m. It□s only 20 feet up.

One last bit of □new□ information that you won□t find on the internet is that if you build these in an equilateral triangle, you□ll get some gain forming opposite the feedpoint in the higher bands. Very interesting. We call it the XXT loop.

There□s loads of info on large loops on my website. Also check out the picture sections, I have more there.

Cheers,

Callum McCormick
http://www.m0mcx.co.uk/

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of al_kozakiewicz
Sent: 28 November 2008 06:23
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Loop Skywire?

I've been looking through the ARRL Wire Antenna Classics book. I've got a decent sized lot, but none of my trees seem to be in "right" location or of the "right" height to build a bunch of single purpose antennas.

At any rate, does anyone have any experience with something called the Loop Skywire? It's basically a full wavelength antenna folded into a square and fed directly with coax. It promises multiband operation (integral harmonics of the base design), low noise and a takeoff angle like a vertical. If it sounds too good to be true.....

If I use the house as one of the supports, I can probably fit this in the corner of the yard that's most conducive to antenna construction.

Al
AB2ZY

6991. Re: G5RV

Yahoo group: ham-antennas (2008)
Date: 2008-11-28 20:15:16 UTC
From: Rick
Topic: 565 Message: 6991

Scott,
The G5RV is designed as a gain antenna for 20 meters and is a compromise on 80 - not too shabby on 40 though. But if it works better on 8o than it does 20 meters, then something is wrong. I know a ham that has one up at a remote cabin and consistantly works DX on 20 & 15 meters on it using an old Yaesu FT-7 at 10 watts. The G5RV should work great on those bands, if it doesn't I would suspect a problem somewhere.
73
Rick
KC8AON
--- In ham-antennas@yahoogroups.com, "Scott Laughlin" <n7net@...> wrote:

>
> I've used a G5RV for over a decade. The G5RV likes 80 and 40 better
> than 15 and 20.

6992. Re: "Low noise" wire antenna...?

Yahoo group: ham-antennas (2008)
Date: 2008-11-28 20:24:41 UTC
From: Rick
Topic: 6932 Message: 6992

John,
Switching to a wire antenna won't help much becuase most wire antennas are horizontal and so is the power lines. I have the same problem here. If you have a rig that will do 2 meter AM mode, take it out and drive around and you will find the problem area as you drive by the pole causing the problem. Once you find the area its coming from, turn the RF gain down to attenuate the signal and then drive around that area to zero in on the problem then writhe down the pole number its coming from. If you have a scope or even a soundcard interface and spectran software, check to see if the signal is 120hz - if it is, then it is in fact AC power line noise. The AC is 60 cycles, and the 120 cycle signal comes from the combination of the 60 cycle postitive and negative peaks and you will be able to see it on a scope or using the spectran software and your psk interface you can spot it easily. Also llok around at night for faulty street lights - flickering streetlights will cause horrible noise ! Report any of your findings to the power company.

Good luck !
Rick
KC8AON
--- In ham-antennas@yahoogroups.com, "wa6spa" <wa6spa@...> wrote:
>
> Hi all ☐
>
> I've got severe power line noise issues here, and while local hams
> from my club, and our electric company, are trying to track down
the
> culprit (they say it's being carried over the lines
> from `somewhere', being detected by my antenna, and entering the
> shack that way.
>
> As I'm using a vertical antenna, which are normally more
susceptible
> to man made noises than a wire antenna, I think it's best to switch
> to a "low noise" wire antenna until the problem is corrected.
>
> I found something called a T2FD which is described as a low noise
> wire antenna, and it looks promising, but was wondering if anyone
> who has had similar power line noise problems could recommend a
> their wire antenna choice?
>
> Thanks.
>
> John

> WA6SPA
>

6993. Re: Tuner Location

Yahoo group: ham-antennas (2008)
Date: 2008-11-28 20:38:46 UTC
From: Rick
Topic: 6947 Message: 6993

Jerry,
If you are feeding it with coax then the losses will only be low on its resonant frequency unless you put a tuner at the feepoint for multiband operation. But as swr rises on coax, so does the losses. I tend NOT to believe what most antenna manufacturers tell me and believe known laws of physics. The antenna sellers just want your money !
73
Rick
KC8AON

--- In ham-antennas@yahoogroups.com, "Jerry Stern" <jsternmd@...> wrote:
>
> I Have the DX Engineering 43' multiband vertical. All it is is a series of
> tapered aluminum poles. They recommend a 4:1 balum at the base and a good
> tuner in the shack. They claim (and I tend to believe them more than most
> based on past experieinces with their tech people) that the loss is very
> low. I put up about sixty radials each 70' long and this vertical is
> outperforming my old Hustler 6-BTV by many dB based on new range of DX
> contacts and signal reports. Plus I painted the vertical (non-metallic
> paint) in a camo pattern and it is vitually invisible to anyone beyond my
> 1/2 acre property line.
>
> 73 Jerry
> K1JOS
Non-text portions of this message have been removed]
>

6994. Re: G5RV

Yahoo group: ham-antennas (2008)
Date: 2008-11-28 20:48:58 UTC
From: Rick
Topic: 565 Message: 6994

The SWR on a G5RV on 20 meters should be around 1.8:1 - not 4:1 !
73
Rick
KC8AON

--- In ham-antennas@yahoogroups.com, "al_kozakiewicz" <akozak@...>
wrote:
>
> Scott,
>
> I'm the absolute master at wasting my own time, so please don't
worry
> about it ;^)
>
> The MFJ antenna is pretty straightforward - 102', center fed with
34'
> (or whatever length the matching section is) of window line and
> terminated with an SO-239. No balun.
>
> I just double checked. At 14.150 mHz with the tuner switched OUT,
> the SWR is 4:1. At 14.350, it's basically the same. It drops to
3:1
> at 14.030. I'm measuring SWR at the tuner in the shack. If the
> consensus is that that is a problem, then at least I have a way to
> tell if I'm making an improvement as I troubleshoot.

6995. Re: G5RV

Yahoo group: ham-antennas (2008)
Date: 2008-11-28 20:50:55 UTC
From: Rick
Topic: 565 Message: 6995

Just out of curiosity, you guys do know that you have to use a tuner with a G5RV don't you ? And the SWR is usually only low on 20 meters ?

73
Rick
KC8AON

6996. Re: G5RV

Yahoo group: ham-antennas (2008)
Date: 2008-11-28 21:10:40 UTC
From: Scott Laughlin
Topic: 565 Message: 6996

Rick,

There are many things that contribute to how well an antenna functions. I'm not surprised your friend does so well at his remote cabin. He probably doesn't have to deal with a city council and a swimming pool. In spite of my nay sayers and obsticles, this G5RV has done me proud on QRPp. I'm 150 miles shy of my 1000-miles-per-watt certificate on 20. As conditions improve I'll get it earned.

72 de Scott/n7net/qrp

--- In ham-antennas@yahoogroups.com, "Rick" <QRP_1@...> wrote:
>
> Scott,
> The G5RV is designed as a gain antenna for 20 meters and is a
> compromise on 80 - not too shabby on 40 though. But if it works
better
> on 8o than it does 20 meters, then something is wrong. I know a
ham
> that has one up at a remote cabin and consistantly works DX on 20 &
15
> meters on it using an old Yaesu FT-7 at 10 watts. The G5RV should
work
> great on those bands, if it doesn't I would suspect a problem
somewhere.
> 73
> Rick
> KC8AON
> --- In ham-antennas@yahoogroups.com, "Scott Laughlin" <n7net@>
wrote:
>
>
> >
> > I've used a G5RV for over a decade. The G5RV likes 80 and 40
better
> > than 15 and 20.
>

6997. Re: G5RV

Yahoo group: ham-antennas (2008)
Date: 2008-11-28 21:13:23 UTC
From: Scott Laughlin
Topic: 565 Message: 6997

Rick,

In his initial message Al mentioned he was using a tuner. I wasn't familiar with it, so I don't recall the make or model.

72 de Scott/n7net

--- In ham-antennas@yahoogroups.com, "Rick" <QRP_1@...> wrote:
>
> Just out of curiosity, you guys do know that you have to use a tuner
> with a G5RV don't you ? And the SWR is usually only low on 20 meters ?
>
> 73
> Rick
> KC8AON
>

6998. Re: G5RV

Yahoo group: ham-antennas (2008)
Date: 2008-11-28 21:46:51 UTC
From: al_kozakiewicz
Topic: 565 Message: 6998

Kenwood AT-200 - it was intended as a companion to the TS-820S transceiver.

Al

--- In ham-antennas@yahoogroups.com, "Scott Laughlin" <n7net@...> wrote:
>
> Rick,
>
> In his initial message Al mentioned he was using a tuner. I wasn't
> familiar with it, so I don't recall the make or model.
>
> 72 de Scott/n7net
>
> --- In ham-antennas@yahoogroups.com, "Rick" <QRP_1@> wrote:
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> > Just out of curiosity, you guys do know that you have to use a tuner
> > with a G5RV don't you ? And the SWR is usually only low on 20
> meters ?
> >
> > 73
> > Rick
> > KC8AON
> >
>

6999. New file uploaded to ham-antennas

Yahoo group: ham-antennas (2008)
Date: 2008-11-28 21:54:10 UTC
From: ham-antennas@yahoogroups.com
Topic: 389 Message: 6999

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the ham-antennas
group.

File : /G5RV-Model.pdf
Uploaded by : kevinj631 <kmorgan6@...>
Description : G5RV antenna model output at 20 and 80 meters

You can access this file at the URL:
http://groups.yahoo.com/group/ham-antennas/files/G5RV-Model.pdf

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/members/web/index.htmlfiles

Regards,

kevinj631 <kmorgan6@...>

7000. Re: [ham-antennas] G5RV

Yahoo group: ham-antennas (2008)
Date: 2008-11-28 21:55:04 UTC
From: Kevin Morgan
Topic: 565 Message: 7000

The G5RV has dramatically different patterns depending on what frequency you're operating on. I've run EZNEC+5 with the G5RV model provided with the ARRL Antenna book on 80 meters (3.6MHz) and 20 meters (14.250MHz) and at 20 meters you have some major nulls show up. Your takeoff angle for the major lobe is much lower too (10 degrees at 20 meters compared to 39 degrees at 80).

I've combined the printouts into one file and have uploaded it to the groups files section. You can look at it here:

http://f1.grp.yahoofs.com/v1/0FswSZkGkwNrtmvogZ9kWnfwALcMGuhNgyKq2mDuuomp1BI4pvNDpqjDwlFX7Y4FuYBFogU7jreUQeGrOICZHFst453YgGlL/G5RV-Model.pdf

73, Kevin AB2ZI

--
Kevin J. Morgan AB2ZI <kmorgan6@...>

My Webshots Photos http://community.webshots.com/user/kmorgan631

7001. RE: [ham-antennas] Re: Tuner Location

Yahoo group: ham-antennas (2008)
Date: 2008-11-28 22:05:42 UTC
From: Richard Schmuke
Topic: 6947 Message: 7001

I agree with Rick 100% KC8AON, it would work best with the tuner at the base.

*** this is what I sent to WA6ES about his. If it is to be used as a mulit band antenna then the tuner need to be at the base , if it is at the transmitter then the coax run becomes part of the antenna and you can get more losses depending how the coax is run

Don□t get mixed up but all three of us have the same first name, I am glad we added a Jerry.

Rich , KDØZZ

Subject: [ham-antennas] Re: Tuner Location

Jerry,
If you are feeding it with coax then the losses will only be low on its resonant frequency unless you put a tuner at the feepoint for multiband operation. But as swr rises on coax, so does the losses.
I tend NOT to believe what most antenna manufacturers tell me and believe known laws of physics. The antenna sellers just want your money !
73
Rick
KC8AON

--- In ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
, "Jerry Stern" <jsternmd@...>
wrote:
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> I Have the DX Engineering 43' multiband vertical. All it is is a series of
> tapered aluminum poles. They recommend a 4:1 balum at the base and a good
> tuner in the shack. They claim (and I tend to believe them more than most
> based on past experieinces with their tech people) that the loss is very
> low. I put up about sixty radials each 70' long and this vertical is
> outperforming my old Hustler 6-BTV by many dB based on new range of DX
> contacts and signal reports. Plus I painted the vertical (non-metallic
> paint) in a camo pattern and it is vitually invisible to anyone beyond my

> 1/2 acre property line.
>
> 73 Jerry
> K1JOS
Non-text portions of this message have been removed]
>

[Non-text portions of this message have been removed]

7002. Re: [SPAM][ham-antennas] Re: G5RV

Yahoo group: ham-antennas (2008)
Date: 2008-11-28 22:29:12 UTC
From: william coulson
Topic: 565 Message: 7002

Yeah good point Rick

I too use a G5RV and tuner. The instruction also include a tuner. The ladder line needs to be almost 90 degrees to the dipole wire and not on the ground. That means the antenna needs to be up 30 feet.

Bill

----- Original Message -----
From: Rick
To: ham-antennas@yahoogroups.com
Sent: Friday, November 28, 2008 12:50 PM
Subject: [SPAM][ham-antennas] Re: G5RV

Just out of curiosity, you guys do know that you have to use a tuner
with a G5RV don't you ? And the SWR is usually only low on 20 meters ?

73
Rick
KC8AON

[Non-text portions of this message have been removed]

7003. Re: Loop Skywire?

Yahoo group: ham-antennas (2008)
Date: 2008-11-28 23:04:53 UTC
From: al_kozakiewicz
Topic: 6985 Message: 7003

Callum,

I just spent an enjoyable hour browsing your website. Did you know that you Brits write just like you talk? ;^)

Weather and wife permitting, I'm going to put up a loop this weekend. The ARRL article from November 1985 was quite clear that you could feed the thing directly with coax without a balun and that a transmatch (a.k.a. tuner) would clean up any mismatch. What's your opinion?

Also, most everything I read speaks glowingly of the DX possibilities, but it's not clear to me what the radiation angle is supposed to be. Vertical? Low?

Regards,

Al
AB2ZY

--- In ham-antennas@yahoogroups.com, "Callum M0MCX" <callum@...> wrote:
>
> Al,
>
> That's my bag. You are right in your analysis. Use a 4:1 balun and coax to
> the shack for multi-band use. I have three up at the moment and on my
> smaller 40m one, have worked right around the globe on both 40m and 20m.
> It's only 20 feet up.
>
> One last bit of "new" information that you won't find on the internet is
> that if you build these in an equilateral triangle, you'll get some gain
> forming opposite the feedpoint in the higher bands. Very interesting. We
> call it the XXT loop.
>
> There's loads of info on large loops on my website. Also check out the
> picture sections, I have more there.
>
> Cheers,

>
>
> Callum McCormick
> http://www.m0mcx.co.uk/
>
>
>
> From: ham-antennas@yahoogroups.com [mailto:ham-
antennas@yahoogroups.com] On
> Behalf Of al_kozakiewicz
> Sent: 28 November 2008 06:23
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] Loop Skywire?
>
> I've been looking through the ARRL Wire Antenna Classics book. I've
> got a decent sized lot, but none of my trees seem to be in "right"
> location or of the "right" height to build a bunch of single
purpose
> antennas.
>
> At any rate, does anyone have any experience with something called
the
> Loop Skywire? It's basically a full wavelength antenna folded into
a
> square and fed directly with coax. It promises multiband operation
> (integral harmonics of the base design), low noise and a takeoff
angle
> like a vertical. If it sounds too good to be true.....
>
> If I use the house as one of the supports, I can probably fit this
in
> the corner of the yard that's most conducive to antenna
construction.
>
> Al
> AB2ZY
>

7004. Re: [ham-antennas] Re: G5RV

Yahoo group: ham-antennas (2008)
Date: 2008-11-28 23:35:43 UTC
From: W8OKN Sean
Topic: 565 Message: 7004

I agree with this statement below 100%. I've been telling as many hams as I possibly can, over the years. I've seen this love affair for the G5RV finally start to dwindle. It is an antenna designed for the "tube transmitter" days, when 3:1 SWRs were OK, and... when tuners were not a part of our radios. Now we have rigs that cannot tolerate such a high SWR. Keep in mind that the higher the SWR, the greater the losses with coax. With the G5RV, the matching system built into this system has tremendous losses, especially above 30 meters.

I have not been able to determine why this antenna was favored over a ladder line fed dipole, which has tons less loss. People claim that it outperform a dipole, but the G5RV IS a dipole with a matching section. IF you need to run your G5RV with a tuner, for the new rigs, then you are MUCH better off with a ladder line fed dipole. It will output perform the G5RV any day, AND THERE IS NO HYPE IN THIS MESSAGE.

But the best scenario, by far, is a properly fed, properly matched antenna that does not need a tuner at all. Get the radiation TO the antenna and don't lose the power in the feed line. Get rid of your G5RVs. They were perhaps acceptable once, when tuners were more expensive and we were running tube transmitters. They are no longer a good solution. They are lossy and a waste.

W8OKN

----- Original Message -----
From: Bill
To: ham-antennas@yahoogroups.com
Sent: Friday, November 28, 2008 11:05 AM
Subject: Re: [ham-antennas] Re: G5RV

Hi Al
I used a G5RV for several years and finally abandoned it for a Super Loop. One thing to remember is that the G5RV will always have a high SWR and that is the reason for the extended length of the coaxial feedline. By utilizing the long coax the SWR at the interface is reduced substantially at the tranceiver.

After trying to get one to work for me I redesigned it to about 92 feet and used my Antenna Analyzer to cut the window wire to a length that worked well on both 40 and 80 meters. I did not use it on 20, though since I have 5 element beam for that band.

My 40/80 meter super loop is about the same overall length but requires a bit more height perhaps since the vertex is well below the horizontal section. It works well on 20 and the other bands, though, much better than the G5RV ever did.

All in all the G5RV is a very compromised antenna that should only be used where nothing else will fit (IMHO).

73
Bill
W7VP

----- Original Message -----
From: al_kozakiewicz
To: ham-antennas@yahoogroups.com
Sent: Thursday, November 27, 2008 10:05 PM
Subject: [ham-antennas] Re: G5RV

Scott,

I'm the absolute master at wasting my own time, so please don't worry about it ;^)

The MFJ antenna is pretty straightforward - 102', center fed with 34' (or whatever length the matching section is) of window line and terminated with an SO-239. No balun.

I just double checked. At 14.150 mHz with the tuner switched OUT, the SWR is 4:1. At 14.350, it's basically the same. It drops to 3:1 at 14.030. I'm measuring SWR at the tuner in the shack. If the consensus is that that is a problem, then at least I have a way to tell if I'm making an improvement as I troubleshoot.

Al
AB2ZY

--- In ham-antennas@yahoogroups.com, "Scott Laughlin" <n7net@...>
wrote:
>
> Al,
>
> I don't know that removing turns off the choke would help, but it
> might help. I've made several 2m J-poles that had erratic SWRs and
> putting a choke in the feed line, adding and subtracting turns
until
> they settled down. It might work on your HF antenna.
>
> I made a choke for my G5RV of six turns in about a six inch loop.
>
> Where the twin lead changes to coax there might be a balun. It
might
> be in a section of pvc about six inches long with caps on the
ends.
> Be sure the holes are sealed.
>
> If there isn't a balun in the line you might try letting the legs
> droop until the apex makes a 90 degree angle between the legs and
> then bring the lead straight down.
>
> I suggested looking at the connections because I've heard at least
> one rumor of a MFJ antenna having connections that the solder
person
> missed.
>

> Before you give up go to the designer's web site.
>
> http://www.astrosurf.com/luxorion/qsl-g5rv.htm
>
> and see if there's something in there that will help solve the
> problem.
>
> If all that fails I would contact whomever you bought the antenna
> from. I've found that working directly with MFJ is a very slow
> process.
>
> All these steps shouldn't cost any money. I just hope I'm not
making
> you waste your time.
>
> 72 de Scott/n7net/qrp
>
> --- In ham-antennas@yahoogroups.com, "al_kozakiewicz" <akozak@>
> wrote:
> >
> > The RG-8U coax is brand new, bought from a local supplier who's
> been
> > in business for 50 years. Cost nearly a buck a foot...ouch! I
> would
> > have used RG-8x if they had it, but I was in a hurry...
> >
> > I thought the G5RV was resonant on 20m and expected the antenna
to
> > exhibit something approaching the "ideal" 1.8:1 SWR without a
> tuner.
> > Beyond not being able to establish a QSO with a guy 20 miles
away,
> > that's the main thing that got me thinking something is wrong.
> >
> > Since it's a manufactured antenna and it's less than a month old,
I
> > wouldn't think connections would be a problem, but I'll check
> anyway.
> >
> > Why do you think removing turns from the choke would help?
> >
> > Thanks and regards,
> >
> > Al
> > AB2ZY
> >
> >
> > --- In ham-antennas@yahoogroups.com, "Scott Laughlin" <n7net@>
> > wrote:
> > >

> > > Al,
> > >
> > > I've used a G5RV for over a decade. The G5RV likes 80 and 40
> > better
> > > than 15 and 20. Still, several times I've worked nearly a
> thousand
> > > miles with a 75mw homebrew rig and the old G5RV.
> > >
> > > If I were you I would start unwinding the air choke a turn at a
> > time
> > > and see if there's a point where the SWRs improve. That SWR
> should
> > > go to 1:1 without much troubke. If that doesn't help pull it
> down
> > > and be sure everything is securly soldered at the apex. Be
sure
> > you
> > > coax between the tuner and your radio is good. I certainly
> > wouldn't
> > > give up. The G5RV is one of the most forgiving antennas I can
> > think
> > > of.
> > >
> > > Today I worked Oak Harbor, WA with 4 watts and MN with 5.
> > >
> > > Keep us posted.
> > >
> > > 72 de Scott/n7net/qrp
> > >
> >
>

[Non-text portions of this message have been removed]

No virus found in this incoming message.
Checked by AVG - http://www.avg.com
Version: 8.0.175 / Virus Database: 270.9.10/1812 - Release Date: 11/25/2008 7:53 PM

[Non-text portions of this message have been removed]

7005. Re: [ham-antennas] Re: G5RV

Yahoo group: ham-antennas (2008)
Date: 2008-11-29 14:14:53 UTC
From: Steve Friis
Topic: 565 Message: 7005

My comments interlaced below...

W8OKN Sean wrote:
> I agree with this statement below 100%. I've been telling as many hams as I possibly can, over the years. I've seen this love affair for the G5RV finally start to dwindle. It is an antenna designed for the "tube transmitter" days, when 3:1 SWRs were OK, and... when tuners were not a part of our radios. Now we have rigs that cannot tolerate such a high SWR. Keep in mind that the higher the SWR, the greater the losses with coax. With the G5RV, the matching system built into this system has tremendous losses, especially above 30 meters.
>
> I have not been able to determine why this antenna was favored over a ladder line fed dipole, which has tons less loss. People claim that it outperform a dipole, but the G5RV IS a dipole with a matching section. IF you need to run your G5RV with a tuner, for the new rigs, then you are MUCH better off with a ladder line fed dipole. It will output perform the G5RV any day, AND THERE IS NO HYPE IN THIS MESSAGE.
>
A center fed dipole does work better on the fundamental, and odd harmonics. But, it will not work on even harmonics. That is the reason the G5RV is so popular. For example, a 40 meter dipole will not work on 20 meters, but is excellent on 15 meters. But take the same wire, 1/2 40 meters and off-center feed it, and now it works on even harmonics, but not odd. The G5RV overcomes this by not being resonant. This is great for those that can only put up one (1) antenna for HF. It might not be the best radiator, but sure beats fighting with the landlord to put up more than 1 wire.

> But the best scenario, by far, is a properly fed, properly matched antenna that does not need a tuner at all. Get the radiation TO the antenna and don't lose the power in the feed line. Get rid of your G5RVs. They were perhaps acceptable once, when tuners were more expensive and we were running tube transmitters. They are no longer a good solution. They are lossy and a waste.
>
Actually, the losses are minimal. The length of 450 or 300 ohm feed line is not so high as to keep the antenna from radiating. Even if the SWR is 10:1, which it typically closer to 5 or 6 to one worst case.

The point is, not everyone can put up a 100 foot tall tower, and can hang all the wire they want to. I use a G5RV for the RV with a 40' pole as a center support. I do this so I can have all HF bands with minimum fuss when travelling. I can go to almost any RV park and get away with stringing one wire. Can you imagine the fuss if I tried to put up a 3 element beam on a 50 foot tower? Not to mention the logistics of carrying one while driving down the highway.

> W8OKN
>

>
>
> ----- Original Message -----
> From: Bill
> To: ham-antennas@yahoogroups.com
> Sent: Friday, November 28, 2008 11:05 AM
> Subject: Re: [ham-antennas] Re: G5RV
>
>
> Hi Al
> I used a G5RV for several years and finally abandoned it for a Super Loop. One thing to remember is that the G5RV will always have a high SWR and that is the reason for the extended length of the coaxial feedline. By utilizing the long coax the SWR at the interface is reduced substantially at the tranceiver.
>
> After trying to get one to work for me I redesigned it to about 92 feet and used my Antenna Analyzer to cut the window wire to a length that worked well on both 40 and 80 meters. I did not use it on 20, though since I have 5 element beam for that band.
>
> My 40/80 meter super loop is about the same overall length but requires a bit more height perhaps since the vertex is well below the horizontal section. It works well on 20 and the other bands, though, much better than the G5RV ever did.
>
> All in all the G5RV is a very compromised antenna that should only be used where nothing else will fit (IMHO).
>
> 73
> Bill
> W7VP
> ----- Original Message -----
> From: al_kozakiewicz
> To: ham-antennas@yahoogroups.com
> Sent: Thursday, November 27, 2008 10:05 PM
> Subject: [ham-antennas] Re: G5RV
>
> Scott,
>
> I'm the absolute master at wasting my own time, so please don't worry
> about it ;^)
>
> The MFJ antenna is pretty straightforward - 102', center fed with 34'
> (or whatever length the matching section is) of window line and
> terminated with an SO-239. No balun.
>
> I just double checked. At 14.150 mHz with the tuner switched OUT,
> the SWR is 4:1. At 14.350, it's basically the same. It drops to 3:1
> at 14.030. I'm measuring SWR at the tuner in the shack. If the
> consensus is that that is a problem, then at least I have a way to
> tell if I'm making an improvement as I troubleshoot.
>

> Al
> AB2ZY
>

7006. RE: [ham-antennas] Re: Antenna ideas

Yahoo group: ham-antennas (2008)
Date: 2008-11-29 15:28:34 UTC
From: Richard Schmuke
Topic: 6908 Message: 7006

Hi Matt , I was looking at you note , looking for an antenna. Neil, G7AQK has a good idea on making a loop. I followed that lead and found one by N3KZN, John Gbur. http://www.dxzone.com/cgi-bin/dir/jump2.cgi?ID=9868

I am so impressed by the looks of his antenna in part III . That octagon , PVC antenna set up will also be a wonderful ☐show and tell☐ demo in the local park for field day. Matt you could slip it out at night or by a window in daylight and work your band.

Thanks to you Neil for reminding me of the loop,

Rich , KDØZZ

Disclaimer: Any errors in spelling or facts are transmission errors.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Neil McGrath
Sent: Wednesday, November 26, 2008 5:11 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: Antenna ideas

You could always use a magnetic loop antenna. A 3ft diameter loop will work well on 20-10m and could be placed on the window sill when you need to use it.

For more information see http://www.magneticloopantenna.com

Neil
G7AQK

--- In ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
, "Matthew" <mrmattatccd@...> wrote:
>
> Hello,
> Dose anyone know of a antenna that I could put up that will not make
> my landlord pissed off. He will not let me put up anything. Do they
> make like an antenna that I can put in an window? Please email me any
> Ideas.
>
> Thank you
> Matthew KC9LYB
>

[Non-text portions of this message have been removed]

7007. Re;latton antenna

Yahoo group: ham-antennas (2008)
Date: 2008-11-29 15:41:29 UTC
From: Drbob92031@aol.com
Topic: 7007 Message: 7007

Has anyone had any experience with a mltiband Latton antenna?
**********Life should be easier. So should your homepage. Try the NEW AOL.com.
(http://www.aol.com/?optin=new-dp&icid=aolcom40vanity&ncid=emlcntaolcom00000002)

[Non-text portions of this message have been removed]

7008. Re:New file uploaded to ham-antennas

Yahoo group: ham-antennas (2008)
Date: 2008-11-29 15:48:49 UTC
From: Drbob92031@aol.com
Topic: 394 Message: 7008

Has anyone had any experience with a multiband LATTON
antenna?(10;15,20,,40.,80)?
73's Bob Wa2eaw
**********Life should be easier. So should your homepage. Try the NEW
AOL.com.
(http://www.aol.com/?optin=new-dp&icid=aolcom40vanity&ncid=emlcntaolcom00000002)

[Non-text portions of this message have been removed]

7009. RE: [ham-antennas] Re:New file uploaded to ham-antennas

Yahoo group: ham-antennas (2008)
Date: 2008-11-29 16:15:41 UTC
From: Richard Schmuke
Topic: 394 Message: 7009

You can find ref to this as a ☐LATTIN☐ antenna.

Rich , KDØZZ

Disclaimer: Any errors in spelling or facts are transmission errors.

Subject: [ham-antennas] Re:New file uploaded to ham-antennas

Has anyone had any experience with a multiband LATTON
antenna?(10;15,20,,40.,80)?
73's Bob Wa2eaw
**********Life should be easier. So should your homepage. Try the NEW
AOL.com.
(http://www.aol.com/?optin=new-dp
<http://www.aol.com/?optin=new-dp&icid=aolcom40vanity&ncid=emlcntaolcom00000
002> &icid=aolcom40vanity&ncid=emlcntaolcom00000002)

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

7010. 20M Wide Band Vertical

Yahoo group: ham-antennas (2008)
Date: 2008-11-29 16:40:36 UTC
From: Richard Schmuke
Topic: 7010 Message: 7010

I just mounted my 20M wide band vertical on my small tilt up mount. Feed point is elevated about 21ft. SWR is very good both on PSK-31 and SSB operating area. I uploaded a rough sketch of the antenna .

Rich , KDØZZ

Disclaimer: Any errors in spelling or facts are transmission errors.

[Non-text portions of this message have been removed]

7011. Re:New file uploaded to ham-antennas

Yahoo group: ham-antennas (2008)
Date: 2008-11-29 16:46:59 UTC
From: ad7gr
Topic: 394 Message: 7011

Hi Bob, There's info avail through web search but it looks to be a difficult design to perfect. If you go ahead with the build please let us know your results.

73 & Good luck,
Ed - AD7GR

--- In ham-antennas@yahoogroups.com, Drbob92031@... wrote:
>
> Has anyone had any experience with a multiband LATTON
> antenna?(10;15,20,,40.,80)?
> 73's Bob Wa2eaw

7012. Re: [ham-antennas] Re: G5RV

Yahoo group: ham-antennas (2008)
Date: 2008-11-29 17:23:11 UTC
From: Bill
Topic: 565 Message: 7012

Steve wrote
>Actually, the losses are minimal. The length of 450 or 300 ohm feed line is not so high as to keep the antenna from radiating. Even if the SWR is 10:1, which it typically closer to 5 or 6 to one worst case.<

Although the losses tend to be somewhat small they are not negligible. Moreover it is not the loss in the balanced feedlline that is the issue. It is the loss in the coax which is recommended to be 70 feet or more to ameliorate the SWR at the transceiver. Even on 20 meters there can be as much as 15 watts of loss in the coax depending on how well the impedance is matched at the end of the balanced feedline.

Having said that I used my modified G5RV very successfully on 40 and 80 meters recognizing that it was nevertheless a compromised antenna. Since I did not need it on 20 (5 element monobander) 15 or 10 (4 element tribander) it did not mean much to me to use it anywhere else except sometimes on the WARC bands. I have replaced it with two Super Loops, one for 40/80 and a second for 30/60 meters. They take about the same horizontal space as the G5RV but must be high enough to raise the vertex a reasonable distance off the ground. The impedance at the source is 200 +j0 for both of them at the source on the upper band of each of them and do not require a tuner. (Height of both is 85 feet).

As I said before, the G5RV is a compromise for those who simply do not have the room for anything else. As such it is a good choice for many who simply cannot do anything else although there are many who will argue that the Carolina Windom is better.

73
Bill
W7VP

----- Original Message -----
From: Steve Friis
To: ham-antennas@yahoogroups.com
Sent: Saturday, November 29, 2008 6:14 AM
Subject: Re: [ham-antennas] Re: G5RV

My comments interlaced below...

W8OKN Sean wrote:
> I agree with this statement below 100%. I've been telling as many hams as I possibly can, over the years. I've seen this love affair for the G5RV finally start to dwindle. It is an antenna designed for the "tube transmitter" days, when 3:1 SWRs were OK, and... when tuners were not a part of our radios. Now we have rigs that cannot tolerate such a high SWR. Keep in mind that the higher the SWR, the greater the losses with coax. With the G5RV, the matching system built into this system has tremendous losses, especially above 30 meters.
>
> I have not been able to determine why this antenna was favored over a ladder line fed dipole, which has tons less loss. People claim that it outperform a dipole, but the G5RV IS a dipole with a matching section. IF you need to run your G5RV with a tuner, for the new

rigs, then you are MUCH better off with a ladder line fed dipole. It will output perform the G5RV any day, AND THERE IS NO HYPE IN THIS MESSAGE.
>
A center fed dipole does work better on the fundamental, and odd harmonics. But, it will not work on even harmonics. That is the reason the G5RV is so popular. For example, a 40 meter dipole will not work on 20 meters, but is excellent on 15 meters. But take the same wire, 1/2 40 meters and off-center feed it, and now it works on even harmonics, but not odd. The G5RV overcomes this by not being resonant. This is great for those that can only put up one (1) antenna for HF. It might not be the best radiator, but sure beats fighting with the landlord to put up more than 1 wire.

> But the best scenario, by far, is a properly fed, properly matched antenna that does not need a tuner at all. Get the radiation TO the antenna and don't lose the power in the feed line. Get rid of your G5RVs. They were perhaps acceptable once, when tuners were more expensive and we were running tube transmitters. They are no longer a good solution. They are lossy and a waste.
>
Actually, the losses are minimal. The length of 450 or 300 ohm feed line is not so high as to keep the antenna from radiating. Even if the SWR is 10:1, which it typically closer to 5 or 6 to one worst case.

The point is, not everyone can put up a 100 foot tall tower, and can hang all the wire they want to. I use a G5RV for the RV with a 40' pole as a center support. I do this so I can have all HF bands with minimum fuss when travelling. I can go to almost any RV park and get away with stringing one wire. Can you imagine the fuss if I tried to put up a 3 element beam on a 50 foot tower? Not to mention the logistics of carrying one while driving down the highway.

> W8OKN
>
>
>
> ----- Original Message -----
> From: Bill
> To: ham-antennas@yahoogroups.com
> Sent: Friday, November 28, 2008 11:05 AM
> Subject: Re: [ham-antennas] Re: G5RV
>
>
> Hi Al
> I used a G5RV for several years and finally abandoned it for a Super Loop. One thing to remember is that the G5RV will always have a high SWR and that is the reason for the extended length of the coaxial feedline. By utilizing the long coax the SWR at the interface is reduced substantially at the tranceiver.
>
> After trying to get one to work for me I redesigned it to about 92 feet and used my Antenna Analyzer to cut the window wire to a length that worked well on both 40 and 80 meters. I did not use it on 20, though since I have 5 element beam for that band.
>

> My 40/80 meter super loop is about the same overall length but requires a bit more height perhaps since the vertex is well below the horizontal section. It works well on 20 and the other bands, though, much better than the G5RV ever did.
>
> All in all the G5RV is a very compromised antenna that should only be used where nothing else will fit (IMHO).
>
> 73
> Bill
> W7VP
> ----- Original Message -----
> From: al_kozakiewicz
> To: ham-antennas@yahoogroups.com
> Sent: Thursday, November 27, 2008 10:05 PM
> Subject: [ham-antennas] Re: G5RV
>
> Scott,
>
> I'm the absolute master at wasting my own time, so please don't worry
> about it ;^)
>
> The MFJ antenna is pretty straightforward - 102', center fed with 34'
> (or whatever length the matching section is) of window line and
> terminated with an SO-239. No balun.
>
> I just double checked. At 14.150 mHz with the tuner switched OUT,
> the SWR is 4:1. At 14.350, it's basically the same. It drops to 3:1
> at 14.030. I'm measuring SWR at the tuner in the shack. If the
> consensus is that that is a problem, then at least I have a way to
> tell if I'm making an improvement as I troubleshoot.
>
> Al
> AB2ZY
>

[Non-text portions of this message have been removed]

7013. RE: [ham-antennas] Re:New file uploaded to ham-antennas

Yahoo group: ham-antennas (2008)
Date: 2008-11-29 17:45:26 UTC
From: Richard Schmuke
Topic: 394 Message: 7013

I see two small problems with building this for 5 bands. First is normal twin lead won☐t be strong enough for a 80M set up in bad weather. If you fix that problem then remember to tune 80M first then 40 , next 20 and so on as there might be interaction with the stubs . I made a 5 band fan dipole and the first time made the mistake of starting with 10m not 80, when tuning. I used copper-weld for the 80 for better support, regular copper for the other bands.

Rich , KDØZZ

Disclaimer: Any errors in spelling or facts are transmission errors.

--- In ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
, Drbob92031@... wrote:
>
> Has anyone had any experience with a multiband LATTON
> antenna?(10;15,20,,40.,80)?
> 73's Bob Wa2eaw

[Non-text portions of this message have been removed]

7014. Re: [ham-antennas] Re: G5RV

Yahoo group: ham-antennas (2008)
Date: 2008-11-29 19:16:36 UTC
From: Steve Friis
Topic: 565 Message: 7014

LOL Well, 15% is negligable when at 75% loss, you only loose 1 "S" unit. Sort of like the argument of "I gotta have 1500 watts out cuz 1200 ain't enough"! :-)

For the guy limited to putting up one wire only, it is better than no antenna.

The Carolina antenna does suffer from the Even harmonic problem, though. It is an OCF dipole. And the Balun is subject to it's own problems (Saturation, heating, arcing etc.) that the G5RV doesn't have.

If I had the room, I would like to put up one wire antenna, it would be a rhombic, minimum of 450' per leg, 3 curtains, terminated. LOL If my health was better, I'd even settle for 4 stacked tribanders. Just day dreaming.

Steve/WM5Z
Just because you say I'm paranoid doesn't mean they aren't watching us.

Bill wrote:
> Steve wrote
>
>> Actually, the losses are minimal. The length of 450 or 300 ohm feed line
>>
> is not so high as to keep the antenna from radiating. Even if the SWR is
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> As I said before, the G5RV is a compromise for those who simply do not have the room for anything else. As such it is a good choice for many who simply cannot do anything else although there are many who will argue that the Carolina Windom is better.
>

> 73
> Bill
> W7VP
>
>
> ----- Original Message -----
> From: Steve Friis
> To: ham-antennas@yahoogroups.com
> Sent: Saturday, November 29, 2008 6:14 AM
> Subject: Re: [ham-antennas] Re: G5RV
>
>
> My comments interlaced below...
>
> W8OKN Sean wrote:
> > I agree with this statement below 100%. I've been telling as many hams as I possibly can, over the years. I've seen this love affair for the G5RV finally start to dwindle. It is an antenna designed for the "tube transmitter" days, when 3:1 SWRs were OK, and... when tuners were not a part of our radios. Now we have rigs that cannot tolerate such a high SWR. Keep in mind that the higher the SWR, the greater the losses with coax. With the G5RV, the matching system built into this system has tremendous losses, especially above 30 meters.
> >
> > I have not been able to determine why this antenna was favored over a ladder line fed dipole, which has tons less loss. People claim that it outperform a dipole, but the G5RV IS a dipole with a matching section. IF you need to run your G5RV with a tuner, for the new rigs, then you are MUCH better off with a ladder line fed dipole. It will output perform the G5RV any day, AND THERE IS NO HYPE IN THIS MESSAGE.
> >
> A center fed dipole does work better on the fundamental, and odd
> harmonics. But, it will not work on even harmonics. That is the reason
> the G5RV is so popular. For example, a 40 meter dipole will not work on
> 20 meters, but is excellent on 15 meters. But take the same wire, 1/2 40
> meters and off-center feed it, and now it works on even harmonics, but
> not odd. The G5RV overcomes this by not being resonant. This is great
> for those that can only put up one (1) antenna for HF. It might not be
> the best radiator, but sure beats fighting with the landlord to put up
> more than 1 wire.
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> > But the best scenario, by far, is a properly fed, properly matched antenna that does not need a tuner at all. Get the radiation TO the antenna and don't lose the power in the feed line. Get rid of your G5RVs. They were perhaps acceptable once, when tuners were more expensive and we were running tube transmitters. They are no longer a good solution. They are lossy and a waste.
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> Actually, the losses are minimal. The length of 450 or 300 ohm feed line
> is not so high as to keep the antenna from radiating. Even if the SWR is
> 10:1, which it typically closer to 5 or 6 to one worst case.
>
> The point is, not everyone can put up a 100 foot tall tower, and can

> hang all the wire they want to. I use a G5RV for the RV with a 40' pole
> as a center support. I do this so I can have all HF bands with minimum
> fuss when travelling. I can go to almost any RV park and get away with
> stringing one wire. Can you imagine the fuss if I tried to put up a 3
> element beam on a 50 foot tower? Not to mention the logistics of
> carrying one while driving down the highway.
>
> > W8OKN
> >
> >
> >
> > ----- Original Message -----
> > From: Bill
> > To: ham-antennas@yahoogroups.com
> > Sent: Friday, November 28, 2008 11:05 AM
> > Subject: Re: [ham-antennas] Re: G5RV
> >
> >
> > Hi Al
> > I used a G5RV for several years and finally abandoned it for a Super Loop. One thing to remember is that the G5RV will always have a high SWR and that is the reason for the extended length of the coaxial feedline. By utilizing the long coax the SWR at the interface is reduced substantially at the tranceiver.
> >
> > After trying to get one to work for me I redesigned it to about 92 feet and used my Antenna Analyzer to cut the window wire to a length that worked well on both 40 and 80 meters. I did not use it on 20, though since I have 5 element beam for that band.
> >
> > My 40/80 meter super loop is about the same overall length but requires a bit more height perhaps since the vertex is well below the horizontal section. It works well on 20 and the other bands, though, much better than the G5RV ever did.
> >
> > All in all the G5RV is a very compromised antenna that should only be used where nothing else will fit (IMHO).
> >
> > 73
> > Bill
> > W7VP
> > ----- Original Message -----
> > From: al_kozakiewicz
> > To: ham-antennas@yahoogroups.com
> > Sent: Thursday, November 27, 2008 10:05 PM
> > Subject: [ham-antennas] Re: G5RV
> >
> > Scott,
> >
> > I'm the absolute master at wasting my own time, so please don't worry
> > about it ;^)
> >
> > The MFJ antenna is pretty straightforward - 102', center fed with 34'

> > (or whatever length the matching section is) of window line and
> > terminated with an SO-239. No balun.
> >
> > I just double checked. At 14.150 mHz with the tuner switched OUT,
> > the SWR is 4:1. At 14.350, it's basically the same. It drops to 3:1
> > at 14.030. I'm measuring SWR at the tuner in the shack. If the
> > consensus is that that is a problem, then at least I have a way to
> > tell if I'm making an improvement as I troubleshoot.
> >
> > Al
> > AB2ZY
> >
>
>
>
>
> [Non-text portions of this message have been removed]
>
>
> ---
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 1446 members (as of 9/26/08, and attachments are NOT permitted.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
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>
>
>

7015. Re: [ham-antennas] Re:New file uploaded to ham-antennas

Yahoo group: ham-antennas (2008)
Date: 2008-11-29 20:27:00 UTC
From: danny garvin
Topic: 394 Message: 7015

I looked at it onling the design didn't make sense to me so I sent the link to a friend who is a engineer for a company designs and builds broadcast antennas It didn't make sense to him either?
Danny
   WB9RIM

From: "Drbob92031@..." <Drbob92031@...>
To: ham-antennas@yahoogroups.com
Sent: Saturday, November 29, 2008 9:48:49 AM
Subject: [ham-antennas] Re:New file uploaded to ham-antennas

Has anyone had any experience with a multiband LATTON
antenna?(10; 15,20,,40. ,80)?
73's Bob Wa2eaw
********** **Life should be easier. So should your homepage. Try the NEW
AOL.com.
(http://www.aol. com/?optin= new-dp&icid= aolcom40vanity& ncid=emlcntaolco m00000002)

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

7016. Re: [ham-antennas] Re: G5RV

Yahoo group: ham-antennas (2008)
Date: 2008-11-29 21:14:21 UTC
From: W8OKN Sean
Topic: 565 Message: 7016

Gentlemen,

There is a passion for the G5RV. But there are some facts here that you must consider, and you can research this on your own. Don't take my word for it. Open up an ARRL Antenna book. Open up a "Low Band DXing" book. Read the information on coaxial loss. As you climb in frequency, even WITH a good SWR, you have more loss. This is all fact, no hype.

And the further away from resonance, the worse the losses. Look it up for yourself. With the G5RV, the coax is used as part of the the match, which means that the loss are higher with a G5RV. The antenna is designed this way. And I know that "high" is relative, but this is for sure, the losses in the coax with a G5RV are much higher than a dipole using ladder line. Look it up for yourself and do youself the favor. Simply do the math.

I also heard the comment that for limited space... Well, for limited space, you can still use a tuner with ladder line. I myself, use a ladder line fed, 100 foot dipole, with an AH-4 at the base. It tunes from 160m through 6m. It outperforms a G5RV. No doubt. And I've visited several websites of many experts who have analyzed the G5RV. It does help you to get the tuner to tune properly, since it can bring the antenna to a closer match. But you are giving up something when doing this. But it makes no sense at all that if you are using a tuner, then why would you use a G5RV? It certainly would not perform as well, this has been proven time and time again.

By far, the best situation is a tuned antenna to limit losses. If you do not have a tuned antenna, then the next best thing is using low loss ladder line. Then from there, you can consider a G5RV, but it will not perform as well as a tuned antenna or a dipole using ladder line.

W8OKN

----- Original Message -----
From: Steve Friis
To: ham-antennas@yahoogroups.com
Sent: Saturday, November 29, 2008 2:16 PM
Subject: Re: [ham-antennas] Re: G5RV

LOL Well, 15% is negligable when at 75% loss, you only loose 1 "S" unit.
Sort of like the argument of "I gotta have 1500 watts out cuz 1200 ain't
enough"! :-)

For the guy limited to putting up one wire only, it is better than no
antenna.

The Carolina antenna does suffer from the Even harmonic problem, though.
It is an OCF dipole. And the Balun is subject to it's own problems
(Saturation, heating, arcing etc.) that the G5RV doesn't have.

If I had the room, I would like to put up one wire antenna, it would be a rhombic, minimum of 450' per leg, 3 curtains, terminated. LOL If my health was better, I'd even settle for 4 stacked tribanders. Just day dreaming.

Steve/WM5Z
Just because you say I'm paranoid doesn't mean they aren't watching us.

Bill wrote:
> Steve wrote
>
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>>
> is not so high as to keep the antenna from radiating. Even if the SWR is
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> 73
> Bill
> W7VP
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> ----- Original Message -----
> From: Steve Friis
> To: ham-antennas@yahoogroups.com
> Sent: Saturday, November 29, 2008 6:14 AM
> Subject: Re: [ham-antennas] Re: G5RV
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> My comments interlaced below...
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> The point is, not everyone can put up a 100 foot tall tower, and can
> hang all the wire they want to. I use a G5RV for the RV with a 40' pole
> as a center support. I do this so I can have all HF bands with minimum
> fuss when travelling. I can go to almost any RV park and get away with
> stringing one wire. Can you imagine the fuss if I tried to put up a 3
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> carrying one while driving down the highway.
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> > W8OKN
> >
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> > ----- Original Message -----
> > From: Bill
> > To: ham-antennas@yahoogroups.com
> > Sent: Friday, November 28, 2008 11:05 AM
> > Subject: Re: [ham-antennas] Re: G5RV
> >
> >

> > Hi Al
> > I used a G5RV for several years and finally abandoned it for a Super Loop. One thing to remember is that the G5RV will always have a high SWR and that is the reason for the extended length of the coaxial feedline. By utilizing the long coax the SWR at the interface is reduced substantially at the tranceiver.
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> > 73
> > Bill
> > W7VP
> > ----- Original Message -----
> > From: al_kozakiewicz
> > To: ham-antennas@yahoogroups.com
> > Sent: Thursday, November 27, 2008 10:05 PM
> > Subject: [ham-antennas] Re: G5RV
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> > Scott,
> >
> > I'm the absolute master at wasting my own time, so please don't worry
> > about it ;^)
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> > The MFJ antenna is pretty straightforward - 102', center fed with 34'
> > (or whatever length the matching section is) of window line and
> > terminated with an SO-239. No balun.
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> > I just double checked. At 14.150 mHz with the tuner switched OUT,
> > the SWR is 4:1. At 14.350, it's basically the same. It drops to 3:1
> > at 14.030. I'm measuring SWR at the tuner in the shack. If the
> > consensus is that that is a problem, then at least I have a way to
> > tell if I'm making an improvement as I troubleshoot.
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> > Al
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> [Non-text portions of this message have been removed]
>

>
> ---
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> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
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>
>
>

No virus found in this incoming message.
Checked by AVG - http://www.avg.com
Version: 8.0.176 / Virus Database: 270.9.11/1819 - Release Date: 11/29/2008 10:37 AM

[Non-text portions of this message have been removed]

7017. Cushcraft R7 Problem

Yahoo group: ham-antennas (2008)
Date: 2008-11-29 22:21:46 UTC
From: markswoodcrafts
Topic: 7017 Message: 7017

I bought an R7 at an auction recently and have been having SWR problems. It is on all bands. What happens is when I initially load, with only 10 watts, the SWR is low. Then when I increase power just a bit, the SWR shoots to infinity.

I have replaced the two 80pf caps with 50pf doorknob 7.5kv one, plus the 27pf cap. I don't really see any trouble with any of the traps, since this problem effects all bands.

The toroids look good in the matchbox as well.

I also checked the coax and it is fine.

Any ideas?

Mark KØITC

7018. Re: [ham-antennas] Cushcraft R7 Problem

Yahoo group: ham-antennas (2008)
Date: 2008-11-29 22:33:29 UTC
From: Dennis Ballengee
Topic: 7017 Message: 7018

none of your traps are upsisde down are they? or you are not getting a good ground or sound like you may have a lose connection. might check all your meserments to.

--- On Sat, 11/29/08, markswoodcrafts <markswoodcrafts@yahoo.com> wrote:

From: markswoodcrafts <markswoodcrafts@...>
Subject: [ham-antennas] Cushcraft R7 Problem
To: ham-antennas@yahoogroups.com
Date: Saturday, November 29, 2008, 10:21 PM

I bought an R7 at an auction recently and have been having SWR problems. It is on all bands. What happens is when I initially load, with only 10 watts, the SWR is low. Then when I increase power just a bit, the SWR shoots to infinity.

I have replaced the two 80pf caps with 50pf doorknob 7.5kv one, plus the 27pf cap. I don't really see any trouble with any of the traps, since this problem effects all bands.

The toroids look good in the matchbox as well.

I also checked the coax and it is fine.

Any ideas?

Mark KØITC

[Non-text portions of this message have been removed]

7019. Re: G5RV

Yahoo group: ham-antennas (2008)
Date: 2008-11-29 22:37:45 UTC
From: Rick
Topic: 565 Message: 7019

--- In ham-antennas@yahoogroups.com, Steve Friis <wm5z@...> wrote:
>
> My comments interlaced below...

> Actually, the losses are minimal. The length of 450 or 300 ohm feed
line
> is not so high as to keep the antenna from radiating. Even if the
SWR is
> 10:1, which it typically closer to 5 or 6 to one worst case.
[snip]

While its true that the losses on the balanced feedline are low, but
then its connected to a 70' hunk of lossy coax and you simply cannot
ignore that fact ! On 20 meters where the G5RV is designed for the
losses will be fairly low, but as you move away from the design
frequency (and yes, the G5RV was designed as a RESONANT antenna for
20), the swr will rise and so will the losses. To improve the
performance on several bands with the G5RV, simply skip the coax
section and run low loss balanced feedline all the way to the shack -
the increased efficiency will astound you !
73
Rick
KC8AON

7020. Re: [ham-antennas] Re: G5RV

Yahoo group: ham-antennas (2008)
Date: 2008-11-29 23:40:13 UTC
From: Thomas McGough
Topic: 565 Message: 7020

Rick,
     I assume when you say low-loss feedline you are meaning the 300 or 450 ohm feedline. Is my assumption correct?
73' from Elkton,Md
KB3IPN/Tom

From: Rick <QRP_1@...m>
To: ham-antennas@yahoogroups.com
Sent: Saturday, November 29, 2008 5:37:45 PM
Subject: [ham-antennas] Re: G5RV

--- In ham-antennas@ yahoogroups. com, Steve Friis <wm5z@...> wrote:
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> My comments interlaced below...

> Actually, the losses are minimal. The length of 450 or 300 ohm feed line
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[snip]

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KC8AON

[Non-text portions of this message have been removed]

7021. Re: [ham-antennas] Re: G5RV

Yahoo group: ham-antennas (2008)
Date: 2008-11-30 02:13:48 UTC
From: Steve Friis
Topic: 565 Message: 7021

Rick wrote:
> --- In ham-antennas@yahoogroups.com, Steve Friis <wm5z@...> wrote:
>
>> My comments interlaced below...
>>
>
>
>> Actually, the losses are minimal. The length of 450 or 300 ohm feed
>>
> line
>
>> is not so high as to keep the antenna from radiating. Even if the
>>
> SWR is
>
>> 10:1, which it typically closer to 5 or 6 to one worst case.
>>
> [snip]
>
> While its true that the losses on the balanced feedline are low, but
> then its connected to a 70' hunk of lossy coax and you simply cannot
> ignore that fact !
Your assumption above is wrong. I do NOT have 70 feet of lossy coax. I have 25', but at this junction is where I am using an auto tuner. So, the losses through my coax are very minimal. Then I also am using LMR400, but that is simply because of what I have. What you describe below is simply not a dipole either if you maintain the 102' length.

Here is where everyone is running around, shouting fire in the theatre, If the antenna is lengthened to make it a center fed dipole, then on even harmonics, it doesn't work. This means that if the wires are 135' or there abouts, then you wind up with 1/4 wave lengths at 80/75 meters, and this is good. It will have a feed point impedance of close to 50 ohms, depending on how high you mount it from ground. At the height of 35-40 feet, depending on the quality of the earth, you will likely see 35 ohms. Try to load this same antenna on 40 meters now, and you have a problem. Now each leg is 1/2 wavelength, and the feed point is sky high, probably close to 5,000 ohms, again the exact amount will be dependant on the environment. This antenna is indeed still resonant, just not usable. Go up to 10.5 Mhz, and the antenna again has a resonant point, and now each leg is 3/4 wave. The Z will be nice and low. It will let the transmitter feed it just fine, and with some fenagling will work on 30 meters. Now go up to 20 meters, and guess what. This antenna's SWR is again going to be high. It is still resonant, but the feed point is seeing a full wavelength on each leg, so the impedance is going to be

high again.

OK, so let's go the other way. Let us shorten each leg to 67 feet. Now it will work on 40 meters because each leg is 1/4 wavelength. But, go up to 20 meters, and each leg is now 1/2 wave length. So, just like the 80 meter dipole was on 40, now the 40 meter dipole exhibits the same characteristics. Of coarse of 21Mhz, all is fine again as each leg is now 3/4 wavelength.

What Varney did was COMPROMISE with his design so that he could, with one antenna/feedline build an antenna that could be used on any band from 80 meters through 10 meters, be it that it needed a matcher. Match boxes have been around a long time, so that isn't the problem. He added the coax using the special length he made his so that he could have the matchbox inside because his arms weren't long enough??? to put it outside.

Like I have been saying all along, the G5RV isn't such a bad antenna. I use one for the RV because it is simple, quick to install, does radiate a reasonable percentage of the transmitter power and with an automatic tuner is reasonably transparent while operating. Are there better antenna? Of coarse. At home, I use a Fan array of loaded dipoles that give me 160, 80, 75, 60, 40 and 30 meters. But it would be a PITA to take and set up while camping. Especially trying to maintain 60 feet at both ends at a resort or camp ground. For those that are struggling with covenants and land use restrictions, it might be the only way they could get on more than one or two bands.

In a head to head contest, I will use my G5RV over the screwdriver antenna while camping any day. I see a minimum of 3 'S' units on any band and on 80 meters, I see as much as 30dB difference. Been there and done that. It is also easier than my other method which uses the internet to connect back to home to get on the air. There is never an internet connection when I want one. ;-)

Steve/WM5Z
Just because you say I'm paranoid doesn't mean they aren't watching us.

> On 20 meters where the G5RV is designed for the
> losses will be fairly low, but as you move away from the design
> frequency (and yes, the G5RV was designed as a RESONANT antenna for
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> Rick
> KC8AON
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>

7022. Re: [ham-antennas] Re: G5RV

Yahoo group: ham-antennas (2008)
Date: 2008-11-30 02:22:40 UTC
From: Steve Friis
Topic: 565 Message: 7022

That's partly true. When I built mine, I used the 450 ohm window line.
But also don't use RG58 for the coax. Even the 8X coax is pretty lossy.
You can usually find some hard line or LMR400 at a swapmeet or hamfest.
This would be best.

Steve/WM5Z
Just because you say I'm paranoid doesn't mean they aren't watching us.

Thomas McGough wrote:
> Rick,
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> 73' from Elkton,Md
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>
>
>
>
> _____
> From: Rick <QRP_1@...>
> To: ham-antennas@yahoogroups.com
> Sent: Saturday, November 29, 2008 5:37:45 PM
> Subject: [ham-antennas] Re: G5RV
>
>
> --- In ham-antennas@ yahoogroups. com, Steve Friis <wm5z@...> wrote:
>
>> My comments interlaced below...
>>
>
>
>> Actually, the losses are minimal. The length of 450 or 300 ohm feed
>>
> line
>
>> is not so high as to keep the antenna from radiating. Even if the
>>
> SWR is
>
>> 10:1, which it typically closer to 5 or 6 to one worst case.
>>
> [snip]
>
> While its true that the losses on the balanced feedline are low, but
> then its connected to a 70' hunk of lossy coax and you simply cannot

> ignore that fact ! On 20 meters where the G5RV is designed for the
> losses will be fairly low, but as you move away from the design
> frequency (and yes, the G5RV was designed as a RESONANT antenna for
> 20), the swr will rise and so will the losses. To improve the
> performance on several bands with the G5RV, simply skip the coax
> section and run low loss balanced feedline all the way to the shack -
> the increased efficiency will astound you !
> 73
> Rick
> KC8AON
>
>
>
>
>
>
> [Non-text portions of this message have been removed]
>
>
> ----------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 1446
members (as of 9/26/08, and attachments are NOT permitted.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
>
>

7023. Re: [ham-antennas] Re: Stealth 40 or 20M Beam

Yahoo group: ham-antennas (2008)
Date: 2008-11-30 04:48:07 UTC
From: Steven Read
Topic: 6875 Message: 7023

Thanks. That should work pretty work pretty well if I add some additional fiberglass "elements" to give it more of the shape of a typical TV antenna.

Steven Read - ab9ol

al_kozakiewicz wrote:
> This looks like a reasonably small 20m antenna with a 10dbi gain:
>
> http://www.k4eaa.com/yagi.htm
>
> Al
> AB2ZY
>
> --- In ham-antennas@yahoogroups.com, Jim Coon <liteways@...> wrote:

7024. Re: Loop Skywire?

Yahoo group: ham-antennas (2008)
Date: 2008-11-30 06:14:20 UTC
From: al_kozakiewicz
Topic: 6985 Message: 7024

Well, I took down the G5RV today and put up a 265' loop. It's the ugliest antenna I've ever seen. Because of my non-strategically located trees, the thing is 6 sided, a bit oblong at one end and one of the supports is no more than 15' above the ground.

I fed it directly with RG-8U, undoubtedly cold soldered as I didn't start until about 2 hours before sundown and I was attaching the feedline in the dark. I found the element on the soldering gun had opened up sometime during the process when I got it back inside.

The thing matches (tunes) much better than the G5RV ever did. It's naturally resonant without the tuner at the low end of 80m, around 3.6. I was shooting for 3.8, but at least it isn't too short. The SWR shoots up to 3:1 above 3.8, but the tuner matches it to 1:1. Receive noise is markedly lower than the antenna it replaced.

80m DX is marginally better than the G5RV (which isn't saying much), but I shouldn't expect much with the low height. I'll try it out on 20m during the day tomorrow and see what it does.

I'm still left with a problem of what to do on 80m, the band I desire good performance on the most. Wire antennas are going to be a problem for me no matter what, as I just don't have trees high enough and in the right spots to get any significant elevation to avoid the cloud burner problem.

For 80m, I guess I need to start looking at manufactured verticals. Any suggestions?

Regards,

Al
AB2ZY

--- In ham-antennas@yahoogroups.com, "Callum M0MCX" <callum@...>
wrote:
>
> Al,
>
> That's my bag. You are right in your analysis. Use a 4:1 balun and
coax to
> the shack for multi-band use. I have three up at the moment and on
my
> smaller 40m one, have worked right around the globe on both 40m and
20m.
> It's only 20 feet up.
>

> One last bit of "new" information that you won't find on the
internet is
> that if you build these in an equilateral triangle, you'll get some
gain
> forming opposite the feedpoint in the higher bands. Very
interesting. We
> call it the XXT loop.
>
> There's loads of info on large loops on my website. Also check out
the
> picture sections, I have more there.
>
> Cheers,
>
>
> Callum McCormick
> http://www.m0mcx.co.uk/
>
>
>
> From: ham-antennas@yahoogroups.com [mailto:ham-
antennas@yahoogroups.com] On
> Behalf Of al_kozakiewicz
> Sent: 28 November 2008 06:23
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] Loop Skywire?
>
> I've been looking through the ARRL Wire Antenna Classics book. I've
> got a decent sized lot, but none of my trees seem to be in "right"
> location or of the "right" height to build a bunch of single
purpose
> antennas.
>
> At any rate, does anyone have any experience with something called
the
> Loop Skywire? It's basically a full wavelength antenna folded into
a
> square and fed directly with coax. It promises multiband operation
> (integral harmonics of the base design), low noise and a takeoff
angle
> like a vertical. If it sounds too good to be true.....
>
> If I use the house as one of the supports, I can probably fit this
in
> the corner of the yard that's most conducive to antenna
construction.
>
> Al
> AB2ZY
>

7025. indoor slinky flag

Yahoo group: ham-antennas (2008)
Date: 2008-11-30 17:11:22 UTC
From: DAVID
Topic: 7025 Message: 7025

here is a vid of my indoor slinky flag sorry about it being dark but u can make it out cheers david h
http://www.youtube.com/watch?v=WVP9jUAuhOc

7026. Re: G5RV

Yahoo group: ham-antennas (2008)
Date: 2008-11-30 18:22:56 UTC
From: Rick
Topic: 565 Message: 7026

--- In ham-antennas@yahoogroups.com, Steve Friis <wm5z@...> wrote:
OK, so let's go the other way. Let us shorten each leg to 67 feet. Now it will work on 40 meters because each leg is 1/4 wavelength. But, go up to 20 meters, and each leg is now 1/2 wave length. So, just like the 80 meter dipole was on 40, now the 40 meter dipole exhibits the same characteristics. Of coarse of 21Mhz, all is fine again as each leg is now 3/4 wavelength. [snip]

Steve,
How do you get that 67' is a 1/4 wave on 40 meters ? 67' is a 1/2 wave on 40 meters - 33' is a 1/4 wave on 40 meters ! But back to the dipole you say won't work on even harmonics - don't know where you got that info but folks have been using them on even harmonics for decades ! For example, the old standby all band antenna in all your antenna handbooks for as long as I can remember is a 135' long dipole fed in the center with low loss balanced feedline and with a tuner will work 10 thru 80 meters - I know, I used one for a few years. I now use a 40 meter expended double zepp which is 178' and center fed with 450 ohm balanced feedline and it will work 10 thru 160 meters and give me fabulous results. So saying it won't work is misleading - it may not be the best antenna or perfect, but it does work, and works quite well !

Also, on your G5RV, you are using a tuner (coupler) at the junction of the balanced feedline and coax - this is a good thing because you do eliminate most of the loss associated with the coax because the coax is being operated in a matched condition. But, by putting a tuner there, you do not have a conventional G5RV antenna - it just happens to have the same dimensions of the G5RV minus the 70' length of coax. But if you do use it in the standard configuration, the 70' of coax does have some associated losses - there is simply no way around it. I do like the way you do it though - putting the autotuner at the junction of the coax & balanced feedline is the way to go and it will work much better !
73
Rick
KC8AON

7027. G5RV analysed

Yahoo group: ham-antennas (2008)
Date: 2008-11-30 19:13:17 UTC
From: steve95446
Topic: 7027 Message: 7027

Hi,

I've been following the G5RV debate careully. My own experiments with a G5RV showed that it worked reasonably at 3.5Mhz and 7Mhz, but was not so hot on the higher bands. Please understand that the results below were as measured with an MFJ analyser in a real-life situation.

I mounted the G5RV as an inverted V at about 25 feet and the ends at about six feet. Not ideal, but this was a typical surburban (UK) installation.

I first measured the coax loss of the 30ft of RG58 feeder with an MFJ 259 analyser. I don't think this was a particularly good make of coax. The results were as follows which back up my hunch.

3.6 MHz: (0.6db)
7.1 MHz (0.7db)
14 MHz (1.3db)
21.2 MHz (1.4db)
28.5MHz (1.8db)

SWR figures were then measured at bottom of the ladder line with an MFJ 259 analyser. The figures in brackets are also the SWR as measured in the shack after the run of 30ft of RG58 - note the difference as the coax reduces the apparent SWR where it is high.

I used the calculator at:
http://www.dxzone.com/cgi-bin/dir/jump2.cgi?ID=12232

The final figure is therefore the calculated total loss taking the measured loss and SWR loss into account.

3.5MHz: 2.0 (1.7) - 0.646dB
3.6MHz: 3.0 (2.2) ☐ 0.724dB
3.8MHz: 4.2 (3.6) ☐ 0.823dB

7.0MHz: 2.2(2.2) - 0.784dB
7.1MHz: 2.4 (2.3) ☐ 0.806dB

14.150MHz: 4.5 (5.7) ☐ 1.954dB

21MHz: 3.9 (9.6) ☐ 2.83dB

28MHz: 3.6 (12.4) ☐ 3.862dB
29MHz: 3.2 (9.5) ☐ 3.397dB

So you can see how the losses build up as the frequency goes up.

As an aside, I then calculated the likely loss if you used window line all the way to the ATU. Worst case scenario of 25ft+30ft of generic window line at an SWR of 12.4 at 28MHz gave a loss of 0.405dB.

So, by turning a G5RV into a doublet, and extending the ladder line all the way to the shack, you gain about 3db at 28MHz. If you are interested in 40m and 80m it probably makes little difference.

Steve G0KYA

7028. Re: [ham-antennas] G5RV analysed

Yahoo group: ham-antennas (2008)
Date: 2008-11-30 19:45:58 UTC
From: w8okn@charter.net
Topic: 7027 Message: 7028

Thank you...

Your analysis is excellent and very much appreciated.
--
From the desk of W8OKN, northern Michigan

---- steve95446 <steve@infotechcomms.co.uk> wrote:
> Hi,
>
> I've been following the G5RV debate careully. My own experiments
> with a G5RV showed that it worked reasonably at 3.5Mhz and 7Mhz, but
> was not so hot on the higher bands. Please understand that the
> results below were as measured with an MFJ analyser in a real-life
> situation.
>
> I mounted the G5RV as an inverted V at about 25 feet and the ends at
> about six feet. Not ideal, but this was a typical surburban (UK)
> installation.
>
> I first measured the coax loss of the 30ft of RG58 feeder with an
> MFJ 259 analyser. I don't think this was a particularly good make of
> coax. The results were as follows which back up my hunch.
>
> 3.6 MHz: (0.6db)
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> MFJ 259 analyser. The figures in brackets are also the SWR as
> measured in the shack after the run of 30ft of RG58 - note the
> difference as the coax reduces the apparent SWR where it is high.
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> I used the calculator at:
> http://www.dxzone.com/cgi-bin/dir/jump2.cgi?ID=12232
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> 3.8MHz: 4.2 (3.6) ☐ 0.823dB
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> 7.1MHz: 2.4 (2.3) ☐ 0.806dB
>
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> So you can see how the losses build up as the frequency goes up.
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> As an aside, I then calculated the likely loss if you used window
> line all the way to the ATU. Worst case scenario of 25ft+30ft of
> generic window line at an SWR of 12.4 at 28MHz gave a loss of
> 0.405dB.
>
> So, by turning a G5RV into a doublet, and extending the ladder line
> all the way to the shack, you gain about 3db at 28MHz. If you are
> interested in 40m and 80m it probably makes little difference.
>
> Steve G0KYA
>
>
>
>

7029. Re: [ham-antennas] G5RV analysed

Yahoo group: ham-antennas (2008)
Date: 2008-11-30 20:41:48 UTC
From: Chris
Topic: 7027 Message: 7029

Check on this site for some excellent info on optimizing a G5RV among much other great antenna related tests and data.

http://www.vk1od.net/

The article is a link near the bottom section of the page. It describes how to analyze and tune a G5RV.

7030. Re: G5RV

Yahoo group: ham-antennas (2008)
Date: 2008-11-30 22:36:20 UTC
From: ad7gr
Topic: 565 Message: 7030

The G5RV was designed to be an antenna system which includes the radiating element and the feedline.

Excellent reading on Louis Varney's G5RV is to be found on www.cebik.com in L. B. Cebik's "The G5RV Antenna System Re-Visited":
Part 1: The G5RV on 20 meters
Part 2: The G5RV on all HF Bands
Part 3: The Almost-No-ATU G5RV-Type Antenna

73,
Ed - AD7GR

7031. RE: [ham-antennas] Re: Loop Skywire?

Yahoo group: ham-antennas (2008)
Date: 2008-11-30 22:46:43 UTC
From: Callum M0MCX
Topic: 6985 Message: 7031

Hi Al,

Thanks for the compliment.

Yes, you can feed without a balun but you will have currents of the outside of the current, so add some ferrite clip-ons near the feedpoint if you can. In my experience though, and contrary to recent research - the impedance can be anywhere from 65 to 250 ohms depending on the frequency so a 2:1 balun or a 4:1 balun would normally assist a match. Of course, you will need to use the radio's ATU to bring a match. Normally, you can ignore small SWR for these purposes.

Genuine DX possibilities are only achievable if you have this thing fairly high. It's just like a Yagi or dipole in this regard. The real minimum is quarter wave above ground, ideally you will need half to one wavelength above the ground for DX. I use an 160m version at 80 feet to work 80m DX and this is only just achieving lower angles. You really need 100 feet plus for DX angles at 80m wavelengths.

However, for 40m and 80m, there's nothing like building a loop just 30 feet high. It will give you excellent 500-1,000 mile fun with some DX if you push hard. I have gone around the world on my little 40m loop with 100w sometimes - and it's only 25 feet above ground. Works pretty well on 20m though and even has some directivity too.

All the above relates to horizontal loops. I don't have much experience of vertical loops. ON4UN's (?) book deals with this part of the topic well which also states that you will need a good earth for vertical delta loops. Don't believe those people who say you don't need an earth for vertical delta loops. It's like saying that you don't need an earth for a vertical. Codswallop. Anyway, I digress.

If you build it, they will come.

Callum McCormick

http://www.m0mcx.co.uk/

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of al_kozakiewicz
Sent: 28 November 2008 23:05
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: Loop Skywire?

Callum,

I just spent an enjoyable hour browsing your website. Did you know that you Brits write just like you talk? ;^)

Weather and wife permitting, I'm going to put up a loop this weekend. The ARRL article from November 1985 was quite clear that you could feed the thing directly with coax without a balun and that a transmatch (a.k.a. tuner) would clean up any mismatch. What's your opinion?

Also, most everything I read speaks glowingly of the DX possibilities, but it's not clear to me what the radiation angle is supposed to be. Vertical? Low?

Regards,

Al
AB2ZY

--- In ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
, "Callum M0MCX" <callum@...>
wrote:
>
> Al,
>
> That's my bag. You are right in your analysis. Use a 4:1 balun and
coax to
> the shack for multi-band use. I have three up at the moment and on
my
> smaller 40m one, have worked right around the globe on both 40m and
20m.
> It's only 20 feet up.
>
> One last bit of "new" information that you won't find on the
internet is
> that if you build these in an equilateral triangle, you'll get some
gain
> forming opposite the feedpoint in the higher bands. Very
interesting. We
> call it the XXT loop.
>
> There's loads of info on large loops on my website. Also check out
the
> picture sections, I have more there.
>
> Cheers,
>
>
> Callum McCormick
> http://www.m0mcx.co.uk/
>
>
>
> From: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
[mailto:ham-
antennas@yahoogroups.com <mailto:antennas%40yahoogroups.com>] On

> Behalf Of al_kozakiewicz
> Sent: 28 November 2008 06:23
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Subject: [ham-antennas] Loop Skywire?
>
> I've been looking through the ARRL Wire Antenna Classics book. I've
> got a decent sized lot, but none of my trees seem to be in "right"
> location or of the "right" height to build a bunch of single
purpose
> antennas.
>
> At any rate, does anyone have any experience with something called
the
> Loop Skywire? It's basically a full wavelength antenna folded into
a
> square and fed directly with coax. It promises multiband operation
> (integral harmonics of the base design), low noise and a takeoff
angle
> like a vertical. If it sounds too good to be true.....
>
> If I use the house as one of the supports, I can probably fit this
in
> the corner of the yard that's most conducive to antenna
construction.
>
> Al
> AB2ZY
>

[Non-text portions of this message have been removed]

7032. Re: [ham-antennas] Re: G5RV

Yahoo group: ham-antennas (2008)
Date: 2008-12-01 03:13:40 UTC
From: Steve Friis
Topic: 565 Message: 7032

My comments interlaced below.

Steve/WM5Z

Rick wrote:
> --- In ham-antennas@yahoogroups.com, Steve Friis <wm5z@...> wrote:
> OK, so let's go the other way. Let us shorten each leg to 67 feet. Now
> it will work on 40 meters because each leg is 1/4 wavelength. But, go up
> to 20 meters, and each leg is now 1/2 wave length. So, just like the 80
> meter dipole was on 40, now the 40 meter dipole exhibits the same
> characteristics. Of coarse of 21Mhz, all is fine again as each leg is
> now 3/4 wavelength. [snip]
>
> Steve,
> How do you get that 67' is a 1/4 wave on 40 meters ? 67' is a 1/2
> wave on 40 meters - 33' is a 1/4 wave on 40 meters !
OOps... you are right... LOL.

> But back to the
> dipole you say won't work on even harmonics - don't know where you got
> that info but folks have been using them on even harmonics for
> decades !
I want to see you build a dipole with 1/2 wavelength per leg, and feed
it with coax. What happens? You pick the band, the length of the coax,
but it must be long enough to reach the dipole and run to the shack.

7033. Re: Loop Skywire?

Yahoo group: ham-antennas (2008)
Date: 2008-12-01 03:54:10 UTC
From: al_kozakiewicz
Topic: 6985 Message: 7033

I ordered a Butternut HF2V today. Hopefully it will arrive before the ground freezes solid here and I have a chance to pound the support into the soil. I'll lay radials right on top of the grass for now and fix it up right in the spring.

I just worked HK3JJH/HK0B on 80m on the ugly loop - Columbia/San Andres. He said my signal was 59, but it was a DX 59; probably in reality a 45 or 35 since I had to repeat my callsign suffix a few times. Nevertheless, I was never able to raise a Carribean station before on the G5RV (except a VI, and I'm not sure that counts), and certainly not one so close to the equator.

Regards,
Al
AB2ZY

--- In ham-antennas@yahoogroups.com, "Callum M0MCX" <callum@...>
wrote:
>
> Hi Al,
>
>
>
> Thanks for the compliment.
>
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>
> Yes, you can feed without a balun but you will have currents of the
outside
> of the current, so add some ferrite clip-ons near the feedpoint if
you can.
> In my experience though, and contrary to recent research - the
impedance can
> be anywhere from 65 to 250 ohms depending on the frequency so a 2:1
balun or
> a 4:1 balun would normally assist a match. Of course, you will need
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> above the ground for DX. I use an 160m version at 80 feet to work
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> this is only just achieving lower angles. You really need 100 feet
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> DX angles at 80m wavelengths.
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> However, for 40m and 80m, there's nothing like building a loop just
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> high. It will give you excellent 500-1,000 mile fun with some DX if
you push
> hard. I have gone around the world on my little 40m loop with 100w
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> - and it's only 25 feet above ground. Works pretty well on 20m
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> even has some directivity too.
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> Callum McCormick
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antennas@yahoogroups.com] On
> Behalf Of al_kozakiewicz
> Sent: 28 November 2008 23:05
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] Re: Loop Skywire?
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> possibilities, but it's not clear to me what the radiation angle is
> supposed to be. Vertical? Low?
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> Regards,
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> Al
> AB2ZY
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> --- In ham-antennas@yahoogroups.com <mailto:ham-antennas%
40yahoogroups.com>
> , "Callum M0MCX" <callum@>
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> > Al,
> >
> > That's my bag. You are right in your analysis. Use a 4:1 balun
and
> coax to
> > the shack for multi-band use. I have three up at the moment and
on
> my
> > smaller 40m one, have worked right around the globe on both 40m
and
> 20m.
> > It's only 20 feet up.
> >
> > One last bit of "new" information that you won't find on the

> internet is
> > that if you build these in an equilateral triangle, you'll get
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> > picture sections, I have more there.
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> > Cheers,
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> >
> > Callum McCormick
> > http://www.m0mcx.co.uk/
> >
> >
> >
> > From: ham-antennas@yahoogroups.com <mailto:ham-antennas%
40yahoogroups.com>
> [mailto:ham-
> antennas@yahoogroups.com <mailto:antennas%40yahoogroups.com>] On
> > Behalf Of al_kozakiewicz
> > Sent: 28 November 2008 06:23
> > To: ham-antennas@yahoogroups.com <mailto:ham-antennas%
40yahoogroups.com>
> > Subject: [ham-antennas] Loop Skywire?
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> > (integral harmonics of the base design), low noise and a takeoff
> angle
> > like a vertical. If it sounds too good to be true.....

> >
> > If I use the house as one of the supports, I can probably fit
this
> in
> > the corner of the yard that's most conducive to antenna
> construction.
> >
> > Al
> > AB2ZY
> >
>
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>
>
>
> [Non-text portions of this message have been removed]
>

7034. Re: Loop Skywire?

Yahoo group: ham-antennas (2008)
Date: 2008-12-01 05:16:44 UTC
From: al_kozakiewicz
Topic: 6985 Message: 7034

Maybe its just good propagation, but I also just managed to work both Ireland and Poland on the worlds ugliest antenna. 5x7 reports, and I didn't have to repeat information a bunch of times, so I suspect they were legitimate signal reports.

I guess we'll keep this up.

Al
AB2ZY

7035. Re: Loop Skywire?

Yahoo group: ham-antennas (2008)
Date: 2008-12-01 05:22:11 UTC
From: al_kozakiewicz
Topic: 6985 Message: 7035

I forgot to note that this was on 80m.

Al

--- In ham-antennas@yahoogroups.com, "al_kozakiewicz" <akozak@...>
wrote:
>
> Maybe its just good propagation, but I also just managed to work both
> Ireland and Poland on the worlds ugliest antenna. 5x7 reports, and I
> didn't have to repeat information a bunch of times, so I suspect they
> were legitimate signal reports.
>
> I guess we'll keep this up.
>
> Al
> AB2ZY
>

7036. Re: [ham-antennas] Re: Loop Skywire?

Yahoo group: ham-antennas (2008)
Date: 2008-12-01 05:26:26 UTC
From: Steve Friis
Topic: 6985 Message: 7036

The old addage, if it stays up in the winter, it isn't big enough?

Steve/WM5Z
Just because you say I'm paranoid doesn't mean they aren't watching us.

al_kozakiewicz wrote:
> Maybe its just good propagation, but I also just managed to work both
> Ireland and Poland on the worlds ugliest antenna. 5x7 reports, and I
> didn't have to repeat information a bunch of times, so I suspect they
> were legitimate signal reports.
>
> I guess we'll keep this up.
>
> Al
> AB2ZY
>
>
>
> ---
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 1446 members (as of 9/26/08, and attachments are NOT permitted.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
>
>

7037. Re: G5RV

Yahoo group: ham-antennas (2008)
Date: 2008-12-01 13:06:55 UTC
From: Rick
Topic: 565 Message: 7037

Steve,
I wasn't talking of feeding it with coax - I don't use coax except for VHF & UHF. On my wire antennas I use nothing but 450 ohm balanced feedline. But even when feeding it with coax you still get about 10% radiation efficiency on the second harmonic wheich means for a 100 watt signal you get 10 watts radiated. But why feed it with coax in the first place and be stuck on one band is my queston ? Coax is a fad that will never catch on ! [grin]
73
Rick
KC8AON

--- In ham-antennas@yahoogroups.com, Steve Friis <wm5z@...> wrote:

> I want to see you build a dipole with 1/2 wavelength per leg, and feed
> it with coax. What happens? You pick the band, the length of the coax,
> but it must be long enough to reach the dipole and run to the shack.
>

7038. Re: Loop Skywire?

Yahoo group: ham-antennas (2008)
Date: 2008-12-01 15:06:00 UTC
From: al_kozakiewicz
Topic: 6985 Message: 7038

I hadn't heard that one before. I like it!

Al
AB2ZY

--- In ham-antennas@yahoogroups.com, Steve Friis <wm5z@...> wrote:
>
> The old addage, if it stays up in the winter, it isn't big enough?
>
>
> Steve/WM5Z

7039. Re: [ham-antennas] Re: Loop Skywire?

Yahoo group: ham-antennas (2008)
Date: 2008-12-01 15:35:32 UTC
From: Thomas McGough
Topic: 6985 Message: 7039

Hello Al,
I have a inverted g5rv w/the apex at 60' and the drops at approx. 10', it seems to do a pretty good job but have nothing to really compare it to. I have been thinking about a loop
but am wondering how difficult it is to make. Could you give me some input on this? 73'
from Elkton,Md
KB3IPN/Tom

From: al_kozakiewicz <akozak@...>
To: ham-antennas@yahoogroups.com
Sent: Sunday, November 30, 2008 10:54:10 PM
Subject: [ham-antennas] Re: Loop Skywire?

I ordered a Butternut HF2V today. Hopefully it will arrive before the ground freezes solid here and I have a chance to pound the support into the soil. I'll lay radials right on top of the grass for now and fix it up right in the spring.

I just worked HK3JJH/HK0B on 80m on the ugly loop - Columbia/San Andres. He said my signal was 59, but it was a DX 59; probably in reality a 45 or 35 since I had to repeat my callsign suffix a few times. Nevertheless, I was never able to raise a Carribean station before on the G5RV (except a VI, and I'm not sure that counts), and certainly not one so close to the equator.

Regards,
Al
AB2ZY

--- In ham-antennas@ yahoogroups. com, "Callum M0MCX" <callum@...>
wrote:
>
> Hi Al,
>
>
>
> Thanks for the compliment.
>
>
>
> Yes, you can feed without a balun but you will have currents of the outside
> of the current, so add some ferrite clip-ons near the feedpoint if you can.
> In my experience though, and contrary to recent research - the

impedance can
> be anywhere from 65 to 250 ohms depending on the frequency so a 2:1
balun or
> a 4:1 balun would normally assist a match. Of course, you will need
to use
> the radio's ATU to bring a match. Normally, you can ignore small
SWR for
> these purposes.
>
>
>
> Genuine DX possibilities are only achievable if you have this thing
fairly
> high. It's just like a Yagi or dipole in this regard. The real
minimum is
> quarter wave above ground, ideally you will need half to one
wavelength
> above the ground for DX. I use an 160m version at 80 feet to work
80m DX and
> this is only just achieving lower angles. You really need 100 feet
plus for
> DX angles at 80m wavelengths.
>
>
>
> However, for 40m and 80m, there's nothing like building a loop just
30 feet
> high. It will give you excellent 500-1,000 mile fun with some DX if
you push
> hard. I have gone around the world on my little 40m loop with 100w
sometimes
> - and it's only 25 feet above ground. Works pretty well on 20m
though and
> even has some directivity too.
>
>
>
> All the above relates to horizontal loops. I don't have much
experience of
> vertical loops. ON4UN's (?) book deals with this part of the topic
well
> which also states that you will need a good earth for vertical
delta loops..
> Don't believe those people who say you don't need an earth for
vertical
> delta loops. It's like saying that you don't need an earth for a
vertical.
> Codswallop. Anyway, I digress.
>
>

>
> If you build it, they will come.
>
>
>
> Callum McCormick
>
> http://www.m0mcx. co.uk/
>
>
>
>
>
>
>
> From: ham-antennas@ yahoogroups. com [mailto:ham-
antennas@yahoogroup s.com] On
> Behalf Of al_kozakiewicz
> Sent: 28 November 2008 23:05
> To: ham-antennas@ yahoogroups. com
> Subject: [ham-antennas] Re: Loop Skywire?
>
>
>
> Callum,
>
> I just spent an enjoyable hour browsing your website. Did you know
> that you Brits write just like you talk? ;^)
>
> Weather and wife permitting, I'm going to put up a loop this
weekend.
> The ARRL article from November 1985 was quite clear that you could
> feed the thing directly with coax without a balun and that a
> transmatch (a.k.a. tuner) would clean up any mismatch. What's your
> opinion?
>
> Also, most everything I read speaks glowingly of the DX
> possibilities, but it's not clear to me what the radiation angle is
> supposed to be. Vertical? Low?
>
> Regards,
>
> Al
> AB2ZY
>
> --- In ham-antennas@ yahoogroups. com <mailto:ham- antennas%
40yahoogroups.. com>
> , "Callum M0MCX" <callum@>
> wrote:
> >

> > Al,
> >
> > That's my bag. You are right in your analysis. Use a 4:1 balun
and
> coax to
> > the shack for multi-band use. I have three up at the moment and
on
> my
> > smaller 40m one, have worked right around the globe on both 40m
and
> 20m.
> > It's only 20 feet up.
> >
> > One last bit of "new" information that you won't find on the
> internet is
> > that if you build these in an equilateral triangle, you'll get
some
> gain
> > forming opposite the feedpoint in the higher bands. Very
> interesting. We
> > call it the XXT loop.
> >
> > There's loads of info on large loops on my website. Also check
out
> the
> > picture sections, I have more there.
> >
> > Cheers,
> >
> >
> > Callum McCormick
> > http://www.m0mcx. co.uk/
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> >
> >
> > From: ham-antennas@ yahoogroups. com <mailto:ham- antennas%
40yahoogroups. com>
> [mailto:ham-
> antennas@yahoogroup s.com <mailto:antennas% 40yahoogroups. com>] On
> > Behalf Of al_kozakiewicz
> > Sent: 28 November 2008 06:23
> > To: ham-antennas@ yahoogroups. com <mailto:ham- antennas%
40yahoogroups. com>
> > Subject: [ham-antennas] Loop Skywire?
> >
> > I've been looking through the ARRL Wire Antenna Classics book.
I've
> > got a decent sized lot, but none of my trees seem to be
in "right"
> > location or of the "right" height to build a bunch of single

> purpose
> > antennas.
> >
> > At any rate, does anyone have any experience with something
called
> the
> > Loop Skywire? It's basically a full wavelength antenna folded
into
> a
> > square and fed directly with coax. It promises multiband
operation
> > (integral harmonics of the base design), low noise and a takeoff
> angle
> > like a vertical. If it sounds too good to be true.....
> >
> > If I use the house as one of the supports, I can probably fit
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> > the corner of the yard that's most conducive to antenna
> construction.
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> > Al
> > AB2ZY
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> [Non-text portions of this message have been removed]
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[Non-text portions of this message have been removed]

7040. Re: [ham-antennas] Re: G5RV

Yahoo group: ham-antennas (2008)
Date: 2008-12-01 15:45:09 UTC
From: Steve Friis
Topic: 565 Message: 7040

Well, you have to include just coax fed when you talk of dipoles. And if you've read the original designer's goal, it was for an antenna that would work 20 meters primarily, and then as a bonus work as many other bands as possible.

The problem is, so many people who really don't have any concept of what is really happening with an antenna make snap comments bashing rather than make constructive comments. We've all done that at one time or another.

Back to the G5RV, and maybe to close out this thread for a while, it is an antenna that has been around for a while. It does work, when constructed correctly, for what it is intended to do. Is it perfect? For some, yes, because of the situation they find themselves in. For others, no, since they have other options available to them.

In two or three years, when the solar cycle 24 gets really going, it won't much matter, as the proverbial "bed spring" will work as an antenna, and you'll be able to work DX using it for a radiator. When some bands, like 10,12 or 15 really open, you can work around the world with 1 or 2 watts. So, during those conditions, you find yourself with an antenna that radiates only 10% of the power, and heats up the coax with the other 90%, but you get a 599 report, then who cares? When I look at the DXCC roll, I don't see where someone used 1000 watts but his antenna was only 5% efficient, or that the next guy used 50 watts from an antique radio with an antenna that was 100% efficient. It might be a bragging point for the guy running the 50 watts, but both managed to get their contacts.

I am one of the fortunate ones that has 2 acres to build antenna on. Actually I have a pretty decent antenna at home. But, when I travel, I use the G5RV. For me, it is the perfect antenna for what I want to do.

Steve/WM5Z
Just because you say I'm paranoid doesn't mean they aren't watching us.

Rick wrote:
> Steve,
> I wasn't talking of feeding it with coax - I don't use coax except
> for VHF & UHF. On my wire antennas I use nothing but 450 ohm
> balanced feedline. But even when feeding it with coax you still get
> about 10% radiation efficiency on the second harmonic wheich means
> for a 100 watt signal you get 10 watts radiated. But why feed it
> with coax in the first place and be stuck on one band is my
> queston ? Coax is a fad that will never catch on ! [grin]
> 73

> Rick
> KC8AON
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> --- In ham-antennas@yahoogroups.com, Steve Friis <wm5z@...> wrote:
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>
>> I want to see you build a dipole with 1/2 wavelength per leg, and
>>
> feed
>
>> it with coax. What happens? You pick the band, the length of the
>>
> coax,
>
>> but it must be long enough to reach the dipole and run to the shack.
>>
>>
>
>
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> ----------
>
>
>

7041. Re: Loop Skywire?

Yahoo group: ham-antennas (2008)
Date: 2008-12-01 16:22:38 UTC
From: al_kozakiewicz
Topic: 6985 Message: 7041

It couldn't be much simpler. I'll tell you what I did - just remember that in my case speed of construction was more important than quality of construction ;^)

I measured out 265' of #14 insulated wire - one wavelength at the lowest frequency of operation. I was shooting for 3.8 mHz. The basic formula is 1005/freq in mHz. You're supposed to subtract 5% for insulated wire - I did not. There is a calculator online somewhere for loop antennas that will also display the theoretical impedance and some other parameters.

I then slipped 5 1.5" PVC tee connectors over the wire (one for each support rope, less the feedpoint). I drilled holes through the connectors to attach the support ropes.

At the feedpoint of the loop, I used another tee that I had drilled 3 holes in - one for the support rope and two for the ends of the wire. To the ends of the wire I soldered my feedline coax and tie wrapped that to the support rope for strain relief. I then hoisted the whole contraption up into the trees with the support ropes.

This is really meant to be temporary until the spring, at which time (if I want to keep it) I will rent a bucket lift and do a better job of getting the supports higher in the air and as level as possible.

If I could have gotten my G5RV up 60' in the first place, I probably wouldn't have gone through this exercise.

Al
AB2ZY

--- In ham-antennas@yahoogroups.com, Thomas McGough <kb3ipn@...>
wrote:
>
> Hello Al,
> I have a inverted g5rv w/the apex at 60' and the drops at
approx. 10', it seems to do a pretty good job but have nothing to
really compare it to. I have been thinking about a loop
> but am wondering how difficult it is to make. Could you give me
some input on this? 73' from Elkton,Md
> KB3IPN/Tom
>
>
>
>
> _____
> From: al_kozakiewicz <akozak@...>

> To: ham-antennas@yahoogroups.com
> Sent: Sunday, November 30, 2008 10:54:10 PM
> Subject: [ham-antennas] Re: Loop Skywire?
>
>
> I ordered a Butternut HF2V today. Hopefully it will arrive before
> the ground freezes solid here and I have a chance to pound the
> support into the soil. I'll lay radials right on top of the grass
> for now and fix it up right in the spring.
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> I just worked HK3JJH/HK0B on 80m on the ugly loop - Columbia/San
> Andres. He said my signal was 59, but it was a DX 59; probably in
> reality a 45 or 35 since I had to repeat my callsign suffix a few
> times. Nevertheless, I was never able to raise a Carribean station
> before on the G5RV (except a VI, and I'm not sure that counts), and
> certainly not one so close to the equator.
>
> Regards,
> Al
> AB2ZY
>
> --- In ham-antennas@ yahoogroups. com, "Callum M0MCX" <callum@>
> wrote:
> >
> > Hi Al,
> >
> >
> >
> > Thanks for the compliment.
> >
> >
> >
> > Yes, you can feed without a balun but you will have currents of
the
> outside
> > of the current, so add some ferrite clip-ons near the feedpoint
if
> you can.
> > In my experience though, and contrary to recent research - the
> impedance can
> > be anywhere from 65 to 250 ohms depending on the frequency so a
2:1
> balun or
> > a 4:1 balun would normally assist a match. Of course, you will
need
> to use
> > the radio's ATU to bring a match. Normally, you can ignore small
> SWR for
> > these purposes.
> >

> >
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> > Genuine DX possibilities are only achievable if you have this
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> fairly
> > high. It's just like a Yagi or dipole in this regard. The real
> minimum is
> > quarter wave above ground, ideally you will need half to one
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> > However, for 40m and 80m, there's nothing like building a loop
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> 30 feet
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> > hard. I have gone around the world on my little 40m loop with
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> though and
> > even has some directivity too.
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> > All the above relates to horizontal loops. I don't have much
> experience of
> > vertical loops. ON4UN's (?) book deals with this part of the
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> > which also states that you will need a good earth for vertical
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> > Don't believe those people who say you don't need an earth for
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> >
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> > If you build it, they will come.
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> >
> >
> > Callum McCormick
> >
> > http://www.m0mcx. co.uk/
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> >
> >
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> > From: ham-antennas@ yahoogroups. com [mailto:ham-
> antennas@yahoogroup s.com] On
> > Behalf Of al_kozakiewicz
> > Sent: 28 November 2008 23:05
> > To: ham-antennas@ yahoogroups. com
> > Subject: [ham-antennas] Re: Loop Skywire?
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> > Callum,
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> > I just spent an enjoyable hour browsing your website. Did you
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> > Weather and wife permitting, I'm going to put up a loop this
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> > --- In ham-antennas@ yahoogroups. com <mailto:ham- antennas%
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> > > Al,
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> > > That's my bag. You are right in your analysis. Use a 4:1 balun
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> > coax to
> > > the shack for multi-band use. I have three up at the moment and
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> > > smaller 40m one, have worked right around the globe on both 40m
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> > 20m.
> > > It's only 20 feet up.
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> > > One last bit of "new" information that you won't find on the
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> > > that if you build these in an equilateral triangle, you'll get
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> > interesting. We
> > > call it the XXT loop.
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> > > There's loads of info on large loops on my website. Also check
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> > >
> > > From: ham-antennas@ yahoogroups. com <mailto:ham- antennas%
> 40yahoogroups. com>
> > [mailto:ham-
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On
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> > > Subject: [ham-antennas] Loop Skywire?
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> > > I've been looking through the ARRL Wire Antenna Classics book.
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> > > location or of the "right" height to build a bunch of single
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> > > At any rate, does anyone have any experience with something
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> > > If I use the house as one of the supports, I can probably fit
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> > > Al
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> > [Non-text portions of this message have been removed]
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> [Non-text portions of this message have been removed]
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7042. Re: [ham-antennas] Re: Loop Skywire?

Yahoo group: ham-antennas (2008)
Date: 2008-12-01 17:45:58 UTC
From: w8okn@charter.net
Topic: 6985 Message: 7042

I was able to get my WAS this weekend. I've been a ham for 32 years, worked every state a number of times, but with my career moving me every 3 years, I FINALLY got my WAS from northern Michigan. The contest helped me secure Hawaii!!! I probably had every state since 1980, but moved to go to college. Then one move after another until now. The certificate is on the way.

I am ONE state from a CW W.A.S., and that is Montana.

And all of this with a "limited space" vertical that outperforms my G5RV any day! :)

--
From the desk of W8OKN, northern Michigan

---- al_kozakiewicz <akozak@...> wrote:
> I ordered a Butternut HF2V today. Hopefully it will arrive before
> the ground freezes solid here and I have a chance to pound the
> support into the soil. I'll lay radials right on top of the grass
> for now and fix it up right in the spring.
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> I just worked HK3JJH/HK0B on 80m on the ugly loop - Columbia/San
> Andres. He said my signal was 59, but it was a DX 59; probably in
> reality a 45 or 35 since I had to repeat my callsign suffix a few
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> Regards,
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> > Hi Al,
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> > Thanks for the compliment.
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> > Don't believe those people who say you don't need an earth for
> vertical
> > delta loops. It's like saying that you don't need an earth for a
> vertical.
> > Codswallop. Anyway, I digress.
> >
> >

> >
> > If you build it, they will come.
> >
> >
> >
> > Callum McCormick
> >
> > http://www.m0mcx.co.uk/
> >
> >
> >
> >
> >
> >
> >
> > From: ham-antennas@yahoogroups.com [mailto:ham-
> antennas@yahoogroups.com] On
> > Behalf Of al_kozakiewicz
> > Sent: 28 November 2008 23:05
> > To: ham-antennas@yahoogroups.com
> > Subject: [ham-antennas] Re: Loop Skywire?
> >
> >
> >
> > Callum,
> >
> > I just spent an enjoyable hour browsing your website. Did you know
> > that you Brits write just like you talk? ;^)
> >
> > Weather and wife permitting, I'm going to put up a loop this
> weekend.
> > The ARRL article from November 1985 was quite clear that you could
> > feed the thing directly with coax without a balun and that a
> > transmatch (a.k.a. tuner) would clean up any mismatch. What's your
> > opinion?
> >
> > Also, most everything I read speaks glowingly of the DX
> > possibilities, but it's not clear to me what the radiation angle is
> > supposed to be. Vertical? Low?
> >
> > Regards,
> >
> > Al
> > AB2ZY
> >
> > --- In ham-antennas@yahoogroups.com <mailto:ham-antennas%
> 40yahoogroups.com>
> > , "Callum M0MCX" <callum@>
> > wrote:
> > >

> > > Al,
> > >
> > > That's my bag. You are right in your analysis. Use a 4:1 balun
> and
> > coax to
> > > the shack for multi-band use. I have three up at the moment and
> on
> > my
> > > smaller 40m one, have worked right around the globe on both 40m
> and
> > 20m.
> > > It's only 20 feet up.
> > >
> > > One last bit of "new" information that you won't find on the
> > internet is
> > > that if you build these in an equilateral triangle, you'll get
> some
> > gain
> > > forming opposite the feedpoint in the higher bands. Very
> > interesting. We
> > > call it the XXT loop.
> > >
> > > There's loads of info on large loops on my website. Also check
> out
> > the
> > > picture sections, I have more there.
> > >
> > > Cheers,
> > >
> > >
> > > Callum McCormick
> > > http://www.m0mcx.co.uk/
> > >
> > >
> > >
> > > From: ham-antennas@yahoogroups.com <mailto:ham-antennas%
> 40yahoogroups.com>
> > [mailto:ham-
> > antennas@yahoogroups.com <mailto:antennas%40yahoogroups.com>] On
> > > Behalf Of al_kozakiewicz
> > > Sent: 28 November 2008 06:23
> > > To: ham-antennas@yahoogroups.com <mailto:ham-antennas%
> 40yahoogroups.com>
> > > Subject: [ham-antennas] Loop Skywire?
> > >
> > > I've been looking through the ARRL Wire Antenna Classics book.
> I've
> > > got a decent sized lot, but none of my trees seem to be
> in "right"
> > > location or of the "right" height to build a bunch of single

> > purpose
> > > antennas.
> > >
> > > At any rate, does anyone have any experience with something
> called
> > the
> > > Loop Skywire? It's basically a full wavelength antenna folded
> into
> > a
> > > square and fed directly with coax. It promises multiband
> operation
> > > (integral harmonics of the base design), low noise and a takeoff
> > angle
> > > like a vertical. If it sounds too good to be true.....
> > >
> > > If I use the house as one of the supports, I can probably fit
> this
> > in
> > > the corner of the yard that's most conducive to antenna
> > construction.
> > >
> > > Al
> > > AB2ZY
> > >
> >
> >
> >
> >
> >
> > [Non-text portions of this message have been removed]
> >
>
>

7043. Re: Loop Skywire?

Yahoo group: ham-antennas (2008)
Date: 2008-12-01 17:46:22 UTC
From: Paul
Topic: 6985 Message: 7043

Variation:

If it survived the last ice storm, it wasn't big enough...

To those of us who work "weak signal" VHF and UHF this is all too
true, especially when working EME.

Paul

--- In ham-antennas@yahoogroups.com, Steve Friis <wm5z@...> wrote:
>
> The old addage, if it stays up in the winter, it isn't big enough?
>
>
> Steve/WM5Z
> Just because you say I'm paranoid doesn't mean they aren't watching
us.
>
>
>
> al_kozakiewicz wrote:
> > Maybe its just good propagation, but I also just managed to work
both
> > Ireland and Poland on the worlds ugliest antenna. 5x7 reports,
and I
> > didn't have to repeat information a bunch of times, so I suspect
they
> > were legitimate signal reports.
> >
> > I guess we'll keep this up.
> >
> > Al
> > AB2ZY
> >
> >
> >
> > ------------------------------------
> >
> > HAM ANTENNAS Anything and everything, tell us or ask questions.
Replies go to ALL 1446 members (as of 9/26/08, and attachments are
NOT permitted.
> > Post message: ham-antennas@yahoogroups.com
> > Subscribe: ham-antennas-subscribe@yahoogroups.com
> > Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> > List owner: ham-antennas-owner@yahoogroups.com
> > Yahoo! Groups Links

> >
> >
> >
> >
> >
>

7044. Re: [ham-antennas] Re: Loop Skywire?

Yahoo group: ham-antennas (2008)
Date: 2008-12-01 17:52:03 UTC
From: Leonard K. Pennock
Topic: 6985 Message: 7044

Some of us never have this ice/snow problem. Of course Micro bursts are
a completely different problem with the same result. ;)

Paul wrote:
> Variation:
>
> If it survived the last ice storm, it wasn't big enough...
>
> To those of us who work "weak signal" VHF and UHF this is all too
> true, especially when working EME.
>
> Paul
>

--
Leonard K. Pennock
AD7AS

Those who walk bravely through life, unafraid of loss or failure,
find that they very rarely lose or fail.

7045. Re: G5RV

Yahoo group: ham-antennas (2008)
Date: 2008-12-01 17:59:35 UTC
From: Rick
Topic: 565 Message: 7045

Well, including coax feed depends on the antenna being a single band dipole or a multiband dipole. And the fact that he wanted a multiband antenna is my point - why use coax and be stuck on one band when all it takes is the same size dipole fed with ladderline and a tuner to get several or all bands ? I too have tried the G5RV and was not really satisfied with it because I like the low bands better - 40, 80, & 160 meters and even though I could load it up on 160, folks could barely hear me. I then switched to a 135' dipole fed with ladderline and got a very slight improvement on 160, and a great improvement on 80 & 40. But when I switched to the 40 meter extended double zepp, folks asked me if I bought an amplifier ! My very first antenna was a resonant coax fed dipole for 80 meters and it worked great on 80, but I hate being stuck on one band when my radio has so many bands ! So I switched to ladderline feed for my dipole and never looked back. And I never have to worry about a high swr either, and if I can hear them, I can work them !
73
Rick
KC8AON

--- In ham-antennas@...m, Steve Friis <wm5z@...> wrote:
>
> Well, you have to include just coax fed when you talk of dipoles. And
if
> you've read the original designer's goal, it was for an antenna that
> would work 20 meters primarily, and then as a bonus work as many
other
> bands as possible.

7046. Re: Loop Skywire?

Yahoo group: ham-antennas (2008)
Date: 2008-12-01 18:13:09 UTC
From: ad7gr
Topic: 6985 Message: 7046

I know what you are saying about microbursts... disastrous.
73,
Ed - AD7GR
Baker valley, OR
(Orig WD0DRL)

--- In ham-antennas@yahoogroups.com, "Leonard K. Pennock"
<leonardpennock@...> wrote:
"... Of course Micro bursts are a completely different problem with
the same result."

7047. Re: [ham-antennas] Re: G5RV

Yahoo group: ham-antennas (2008)
Date: 2008-12-01 18:30:20 UTC
From: vaclav sal
Topic: 565 Message: 7047

Steve,
well said. I have to agree with you that propagation is the factor few hams are willing to consider, maybe because it cannot be purchased in local ham outfit!
I do not think it is fair that most G5RV discussions end up in comparing "on the air results" with dipoles. It seem that propagation and directivity of specific antenna setup are always missing in these very subjective comparisons.

But IMHO the main point almost everybody misses is that the antenna was designed for 20 meters and the "feed" ladder line is an active element of the whole setup.

73 AA7EJ

--- On Mon, 12/1/08, Steve Friis <wm5z@...> wrote:

From: Steve Friis <wm5z@...>
Subject: Re: [ham-antennas] Re: G5RV
To: ham-antennas@yahoogroups.com
Date: Monday, December 1, 2008, 7:45 AM

Well, you have to include just coax fed when you talk of dipoles. And if you've read the original designer's goal, it was for an antenna that would work 20 meters primarily, and then as a bonus work as many other bands as possible.

The problem is, so many people who really don't have any concept of what is really happening with an antenna make snap comments bashing rather than make constructive comments. We've all done that at one time or another.

Back to the G5RV, and maybe to close out this thread for a while, it is an antenna that has been around for a while. It does work, when constructed correctly, for what it is intended to do. Is it perfect? For some, yes, because of the situation they find themselves in. For others, no, since they have other options available to them.

In two or three years, when the solar cycle 24 gets really going, it won't much matter, as the proverbial "bed spring" will work as an antenna, and you'll be able to work DX using it for a radiator. When some bands, like 10,12 or 15 really open, you can work around the world with 1 or 2 watts. So, during those conditions, you find yourself with an antenna that radiates only 10% of the power, and heats up the coax with the other 90%, but you get a 599 report, then who cares? When I look at the DXCC roll, I don't see where someone used 1000 watts but his antenna was only 5% efficient, or that the next guy used 50 watts from an antique radio with an antenna that was 100% efficient. It might be a bragging point for the guy running the 50 watts, but both managed to get their contacts.

I am one of the fortunate ones that has 2 acres to build antenna on. Actually I have a pretty decent antenna at home. But, when I travel, I use the G5RV. For me, it is the perfect antenna for what I want to do.

Steve/WM5Z
Just because you say I'm paranoid doesn't mean they aren't watching us.

Rick wrote:
> Steve,
> I wasn't talking of feeding it with coax - I don't use coax except
> for VHF & UHF. On my wire antennas I use nothing but 450 ohm
> balanced feedline. But even when feeding it with coax you still get
> about 10% radiation efficiency on the second harmonic wheich means
> for a 100 watt signal you get 10 watts radiated. But why feed it
> with coax in the first place and be stuck on one band is my
> queston ? Coax is a fad that will never catch on ! [grin]
> 73
> Rick
> KC8AON
>
> --- In ham-antennas@ yahoogroups. com, Steve Friis <wm5z@...> wrote:
>
>
>> I want to see you build a dipole with 1/2 wavelength per leg, and
>>
> feed
>
>> it with coax. What happens? You pick the band, the length of the
>>
> coax,
>
>> but it must be long enough to reach the dipole and run to the shack.
>>
>>
>
>
>
> ---------- --------- --------- ------
>
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>

[Non-text portions of this message have been removed]

7048. nulling with the indoor slinky loop

Yahoo group: ham-antennas (2008)
Date: 2008-12-01 19:19:31 UTC
From: DAVID
Topic: 7048 Message: 7048

hi here is a video of me nulling out holland here in scotland to
hopefully leave a good path open to the west many thanks david ..
ayrshire scotland
http://www.youtube.com/watch?v=rgZ4y0Gql6k

7049. G5RV

Yahoo group: ham-antennas (2008)
Date: 2008-12-01 20:30:18 UTC
From: Scott Laughlin
Topic: 565 Message: 7049

I don't understand why folks are seeing such high SWRs on their G5RVs.
My MFJ-969 always indicates a 1:1 before I go on the air.

Less than an hour ago I conducted a FB 20-minute QSO with 5 watts on
20m and received a 569 from Erie PA...in spite of ear splitting QRN.

72 de Scott/n7net/qrp

7050. Re: [ham-antennas] nulling with the indoor slinky loop

Yahoo group: ham-antennas (2008)
Date: 2008-12-01 23:29:11 UTC
From: Jim Coon
Topic: 7048 Message: 7050

What is the program you are using to control the computer? Is that Ham Radio Deluxe? What are the dimensions of the slinky loop and the size of the pot?

DAVID wrote:
>
> hi here is a video of me nulling out holland here in scotland to
> hopefully leave a good path open to the west many thanks david ..
> ayrshire scotland
> http://www.youtube.com/watch?v=rgZ4y0Gql6k
> <http://www.youtube.com/watch?v=rgZ4y0Gql6k>
>
>

7051. Re: [ham-antennas] Re: G5RV

Yahoo group: ham-antennas (2008)
Date: 2008-12-02 00:15:14 UTC
From: Steve Friis
Topic: 565 Message: 7051

Aahhh, You get it!!!

Steve/WM5Z
Just because you say I'm paranoid doesn't mean they aren't watching us.

vaclav sal wrote:
> Steve,
> well said. I have to agree with you that propagation is the factor few hams are willing to consider, maybe because it cannot be purchased in local ham outfit!
> I do not think it is fair that most G5RV discussions end up in comparing "on the air results" with dipoles. It seem that propagation and directivity of specific antenna setup are always missing in these very subjective comparisons.
>
> But IMHO the main point almost everybody misses is that the antenna was designed for 20 meters and the "feed" ladder line is an active element of the whole setup.
>
> 73 AA7EJ
>
>
> --- On Mon, 12/1/08, Steve Friis <wm5z@...> wrote:
>
> From: Steve Friis <wm5z@...>
> Subject: Re: [ham-antennas] Re: G5RV
> To: ham-antennas@yahoogroups.com
> Date: Monday, December 1, 2008, 7:45 AM
>
>
>
>
>
>
> Well, you have to include just coax fed when you talk of dipoles. And if
> you've read the original designer's goal, it was for an antenna that
> would work 20 meters primarily, and then as a bonus work as many other
> bands as possible.
>
> The problem is, so many people who really don't have any concept of what
> is really happening with an antenna make snap comments bashing rather
> than make constructive comments. We've all done that at one time or
> another.
>
> Back to the G5RV, and maybe to close out this thread for a while, it is
> an antenna that has been around for a while. It does work, when
> constructed correctly, for what it is intended to do. Is it perfect? For
> some, yes, because of the situation they find themselves in. For others,

> no, since they have other options available to them.
>
> In two or three years, when the solar cycle 24 gets really going, it
> won't much matter, as the proverbial "bed spring" will work as an
> antenna, and you'll be able to work DX using it for a radiator. When
> some bands, like 10,12 or 15 really open, you can work around the world
> with 1 or 2 watts. So, during those conditions, you find yourself with
> an antenna that radiates only 10% of the power, and heats up the coax
> with the other 90%, but you get a 599 report, then who cares? When I
> look at the DXCC roll, I don't see where someone used 1000 watts but his
> antenna was only 5% efficient, or that the next guy used 50 watts from
> an antique radio with an antenna that was 100% efficient. It might be a
> bragging point for the guy running the 50 watts, but both managed to get
> their contacts.
>
> I am one of the fortunate ones that has 2 acres to build antenna on.
> Actually I have a pretty decent antenna at home. But, when I travel, I
> use the G5RV. For me, it is the perfect antenna for what I want to do.
>
> Steve/WM5Z
> Just because you say I'm paranoid doesn't mean they aren't watching us.
>
> Rick wrote:
>
>> Steve,
>> I wasn't talking of feeding it with coax - I don't use coax except
>> for VHF & UHF. On my wire antennas I use nothing but 450 ohm
>> balanced feedline. But even when feeding it with coax you still get
>> about 10% radiation efficiency on the second harmonic wheich means
>> for a 100 watt signal you get 10 watts radiated. But why feed it
>> with coax in the first place and be stuck on one band is my
>> queston ? Coax is a fad that will never catch on ! [grin]
>> 73
>> Rick
>> KC8AON
>>
>> --- In ham-antennas@ yahoogroups. com, Steve Friis <wm5z@...> wrote:
>>
>>
>>
>>> I want to see you build a dipole with 1/2 wavelength per leg, and
>>>
>>>
>> feed
>>
>>
>>> it with coax. What happens? You pick the band, the length of the
>>>
>>>
>> coax,

>>
>>
>>> but it must be long enough to reach the dipole and run to the shack.
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>> ---------- --------- --------- ------
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>
> [Non-text portions of this message have been removed]
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 1446 members (as of 9/26/08, and attachments are NOT permitted.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
>
>

7052. Re: [ham-antennas] nulling with the indoor slinky loop

Yahoo group: ham-antennas (2008)
Date: 2008-12-02 05:42:07 UTC
From: david/lorraine
Topic: 7048 Message: 7052

the flag is around 15 feet long and around 7 feet high and the variable resistor is a 2k and the software is for the perseus sdr ... thanks david
----- Original Message -----
From: Jim Coon
To: ham-antennas@yahoogroups.com
Sent: Monday, December 01, 2008 11:29 PM
Subject: Re: [ham-antennas] nulling with the indoor slinky loop

What is the program you are using to control the computer? Is that Ham Radio Deluxe? What are the dimensions of the slinky loop and the size of the pot?

DAVID wrote:
>
> hi here is a video of me nulling out holland here in scotland to
> hopefully leave a good path open to the west many thanks david ..
> ayrshire scotland
> http://www.youtube.com/watch?v=rgZ4y0Gql6k
> <http://www.youtube.com/watch?v=rgZ4y0Gql6k>
>
>

[Non-text portions of this message have been removed]

7053. Re: nulling with the indoor slinky loop

Yahoo group: ham-antennas (2008)
Date: 2008-12-02 05:49:27 UTC
From: al_kozakiewicz
Topic: 7048 Message: 7053

If you can null out the entire country of Holland, would it be possible
to show me how to null out my brother-in-law?

73
Al
AB2ZY

--- In ham-antennas@yahoogroups.com, "DAVID" <dhamilton1@...> wrote:
>
> hi here is a video of me nulling out holland here in scotland to
> hopefully leave a good path open to the west many thanks david ..
> ayrshire scotland
> http://www.youtube.com/watch?v=rgZ4y0Gql6k
>

7054. Re: [ham-antennas] Re: nulling with the indoor slinky loop

Yahoo group: ham-antennas (2008)
Date: 2008-12-02 06:59:38 UTC
From: Its from KE4VYN
Topic: 7048 Message: 7054

No chance on the Mother-in-law trap as that signal is usually a bigger and stronger one.

73,
Lee
KE4VYN

----- Original Message -----
From: al_kozakiewicz<mailto:akozak@...>
To: ham-antennas@yahoogroups.com<mailto:ham-antennas@yahoogroups.com>
Sent: Monday, December 01, 2008 11:49 PM
Subject: [ham-antennas] Re: nulling with the indoor slinky loop

If you can null out the entire country of Holland, would it be possible
to show me how to null out my brother-in-law?

73
Al
AB2ZY

--- In ham-antennas@yahoogroups.com<mailto:ham-antennas@yahoogroups.com>, "DAVID"
<dhamilton1@...> wrote:
>
> hi here is a video of me nulling out holland here in scotland to
> hopefully leave a good path open to the west many thanks david ..
> ayrshire scotland
> http://www.youtube.com/watch?v=rgZ4y0Gql6k<http://www.youtube.com/watch?v=rgZ4y0Gql6k>
>

[Non-text portions of this message have been removed]

7055. Re: [ham-antennas] Re: nulling with the indoor slinky loop

Yahoo group: ham-antennas (2008)
Date: 2008-12-02 13:22:39 UTC
From: Jim Coon
Topic: 7048 Message: 7055

Would you really want to trap your mother -in- law? They can get pretty
mean.

I think it takes a bigger resistor and maybe some extra capacitance to
null out a brother-in-law.

Its from KE4VYN wrote:
>
> No chance on the Mother-in-law trap as that signal is usually a bigger
> and stronger one.
>
> 73,
> Lee
> KE4VYN
>
> ----- Original Message -----
> From: al_kozakiewicz<mailto:akozak@...
> <mailto:akozak%40hourglass.com>>
> To: ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com><mailto:ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>>
> Sent: Monday, December 01, 2008 11:49 PM
> Subject: [ham-antennas] Re: nulling with the indoor slinky loop
>
> If you can null out the entire country of Holland, would it be possible
> to show me how to null out my brother-in-law?
>
> 73
> Al
> AB2ZY
>
> --- In ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com><mailto:ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>>, "DAVID" <dhamilton1@...> wrote:
> >
> > hi here is a video of me nulling out holland here in scotland to
> > hopefully leave a good path open to the west many thanks david ..
> > ayrshire scotland
> > http://www.youtube.com/watch?v=rgZ4y0Gql6k
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> <http://www.youtube.com/watch?v=rgZ4y0Gql6k>>
> >
>
> [Non-text portions of this message have been removed]
>

>

7056. Re: [ham-antennas] Re: nulling with the indoor slinky loop

Yahoo group: ham-antennas (2008)
Date: 2008-12-02 15:15:55 UTC
From: Steve Friis
Topic: 7048 Message: 7056

I think you all have the wrong idea, don't trap ?x-inlaws, REJECT them.
Much quieter and less maintainance. ;-)

Steve/WM5Z
Just because you say I'm paranoid doesn't mean they aren't watching us.

Jim Coon wrote:
> Would you really want to trap your mother -in- law? They can get pretty
> mean.
>
> I think it takes a bigger resistor and maybe some extra capacitance to
> null out a brother-in-law.
>
> Its from KE4VYN wrote:
>
>> No chance on the Mother-in-law trap as that signal is usually a bigger
>> and stronger one.
>>
>> 73,
>> Lee
>> KE4VYN
>>
>> ----- Original Message -----
>> From: al_kozakiewicz<mailto:akozak@...
>> <mailto:akozak%40hourglass.com>>
>> To: ham-antennas@yahoogroups.com
>> <mailto:ham-antennas%40yahoogroups.com><mailto:ham-antennas@yahoogroups.com
>> <mailto:ham-antennas%40yahoogroups.com>>
>> Sent: Monday, December 01, 2008 11:49 PM
>> Subject: [ham-antennas] Re: nulling with the indoor slinky loop
>>
>> If you can null out the entire country of Holland, would it be possible
>> to show me how to null out my brother-in-law?
>>
>> 73
>> Al
>> AB2ZY
>>
>> --- In ham-antennas@yahoogroups.com
>> <mailto:ham-antennas%40yahoogroups.com><mailto:ham-antennas@yahoogroups.com
>> <mailto:ham-antennas%40yahoogroups.com>>, "DAVID" <dhamilton1@...> wrote:
>>
>>> hi here is a video of me nulling out holland here in scotland to
>>> hopefully leave a good path open to the west many thanks david ..
>>> ayrshire scotland

>>> http://www.youtube.com/watch?v=rgZ4y0Gql6k
>>>
>> <http://www.youtube.com/watch?v=rgZ4y0Gql6k><http://www.youtube.com/watch?v=rgZ4y0Gql6k
>> <http://www.youtube.com/watch?v=rgZ4y0Gql6k>>
>>
>> [Non-text portions of this message have been removed]
>>
>>
>>
>
> ---
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 1446 members (as of 9/26/08, and attachments are NOT permitted.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
>
>

7057. HF longwire antenna

Yahoo group: ham-antennas (2008)
Date: 2008-12-02 18:26:17 UTC
From: Doug Chlan
Topic: 7057 Message: 7057

Hi Group,

I want to make a HF longwire (random wire) end fed antenna for 80m & 40m. Can I make a full wave 40m antenna that can be used on 80m with the aid of an antenna tuner? Any help appreciated.

Cheers!
Doug...
VE3GHQ

_____
Yahoo! Canada Toolbar: Search from anywhere on the web, and bookmark your favourite sites. Download it now at
http://ca.toolbar.yahoo..com.

[Non-text portions of this message have been removed]

7058. Re: [ham-antennas] HF longwire antenna

Yahoo group: ham-antennas (2008)
Date: 2008-12-02 18:37:55 UTC
From: Chris
Topic: 7057 Message: 7058

The right way to do it, is to make the antenna long enough for the lowest planned band of operation.

An end fed should be at least 1/4w on 80m for 80m to work o.k., assuming an adequate RF ground to feed against.

My first 75m antenna was an end-fed wire around 70' long, far from ideal, it made contacts and loaded up o.k. with my manual tuner. As I added wire and moved to balanced antennas, the performance continues to increase.

On Tue, Dec 2, 2008 at 1:26 PM, Doug Chlan <dxreddog@...> wrote:
> Hi Group,
>
> I want to make a HF longwire (random wire) end fed antenna for 80m & 40m.
> Can I make a full wave 40m antenna that can be used on 80m with the aid of
> an antenna tuner? Any help appreciated.
>
> Cheers!
> Doug...
> VE3GHQ
>
> _____
> Yahoo! Canada Toolbar: Search from anywhere on the web, and bookmark your
> favourite sites. Download it now at
> http://ca.toolbar.yahoo..com.
>
> [Non-text portions of this message have been removed]
>
>

7059. Re: [ham-antennas] HF longwire antenna

Yahoo group: ham-antennas (2008)
Date: 2008-12-02 19:44:40 UTC
From: John Lewis
Topic: 7057 Message: 7059

If you can put up a ½ wavelength of wire for 80 meters (about 125 feet depending on what you want as a residence frequency (for instance 468 divided by the freq 3.75mhz for ½ wavelength, 234 divided by the freq for ¼ wavelength), and get it high enough in the air, you should have few problems as long as you use a manual tuner (some 'in radio' tuners probably won't handle it). I always keep an external manual tuner on hand for playing with antennas, once resonant, the internal radio tuner should work okay.

HTH

----- Original Message -----
From: Doug Chlan <dxreddog@...>
To: ham-antennas@yahoogroups.com
Date: Tue, 2 Dec 2008 10:26:17 -0800 (PST)
Subject: [ham-antennas] HF longwire antenna

> Hi Group,
> Â
> I want to make a HF longwire (random wire) end fed antenna for 80m & 40m.Â Â Can I make a full wave 40m antenna that can be used on 80m with the aid of an antenna tuner?Â Any help appreciated.
> Â
> Cheers!
> Doug...
> VE3GHQ
>
> _____ _____ _____ _____ _____ _____ _
> Yahoo! Canada Toolbar: Search from anywhere on the web, and bookmark your favourite sites. Download it now at
> http://ca.toolbar. yahoo..com.
>
> [Non-text portions of this message have been removed]
>
>
>

7060. 450 Ladder Line Standoffs

Yahoo group: ham-antennas (2008)
Date: 2008-12-02 20:19:09 UTC
From: kb3oyf
Topic: 7060 Message: 7060

Hi Group,

I'm putting up an antenna and want to use commercial 450 ohm ladder line.

What I'm looking for is standoffs to use with the wire (ie. from the mast, from the building). I've searched the internet and couldn't come up with anything.

Does anyone know where I could get standoffs, articles to make them, or any suggestions to make them.

Thanks for the help.

Joe - KB3OYF

7061. Re: [ham-antennas] 450 Ladder Line Standoffs

Yahoo group: ham-antennas (2008)
Date: 2008-12-02 20:42:02 UTC
From: Steve/WM5Z
Topic: 7060 Message: 7061

One idea I saw a guy in Albuquerque use was to make dome using 1/2" PVC pipe and matching "T's". He cut 3" long peices of pipe, and glued them to the "T's". Then he drilled holes in each "T" in parellel with the pipe.

To mount the pipes to the wall, he used screws through the holes in the "T". He used wire ties to mount the feed line to the pipe section. In between each pipe, he twisted the feedline 1/2 turn.

He used this method all the way to the top of his push-up pole. Worked good for him.

Steve/WM5Z
DM62oh

kb3oyf wrote:
> Hi Group,
>
> I'm putting up an antenna and want to use commercial 450 ohm ladder
> line.
>
> What I'm looking for is standoffs to use with the wire (ie. from the
> mast, from the building). I've searched the internet and couldn't come
> up with anything.
>
> Does anyone know where I could get standoffs, articles to make them, or
> any suggestions to make them.
>
> Thanks for the help.
>
> Joe - KB3OYF
>
>
> ---
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 1446 members (as of 9/26/08, and attachments are NOT permitted.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
>
>

7062. Re: [ham-antennas] 450 Ladder Line Standoffs

Yahoo group: ham-antennas (2008)
Date: 2008-12-02 21:22:15 UTC
From: Joe Dube
Topic: 7060 Message: 7062

Joe
I wouldn't worry too much about finding standoff insulators for that 450 ohm ladderline. The thing that I would be concernered with is the the interaction between the ladderline and the metal mast that will undoubtly occur each time you put RF on the feedline. It would probably be better to try to keep the ladderline as far away from the mast as you can(minimum of about 3 feet). This can be accomplished by bringing it away at an angle without any degradation to the signal or radiation pattern. If you don't consider this aspect you will probably have problems tuning the antenna on one or more bands. Just a thought.

Joe K4TR

----- Original Message -----
From: kb3oyf
To: ham-antennas@yahoogroups.com
Sent: Tuesday, December 02, 2008 3:19 PM
Subject: [ham-antennas] 450 Ladder Line Standoffs

Hi Group,

I'm putting up an antenna and want to use commercial 450 ohm ladder line.

What I'm looking for is standoffs to use with the wire (ie. from the mast, from the building). I've searched the internet and couldn't come up with anything.

Does anyone know where I could get standoffs, articles to make them, or any suggestions to make them.

Thanks for the help.

Joe - KB3OYF

No virus found in this incoming message.
Checked by AVG - http://www.avg.com
Version: 8.0.175 / Virus Database: 270.9.12/1824 - Release Date: 12/2/2008 9:31 AM

No virus found in this outgoing message.
Checked by AVG - http://www.avg.com
Version: 8.0.175 / Virus Database: 270.9.12/1824 - Release Date: 12/2/2008 9:31 AM

[Non-text portions of this message have been removed]

7063. Re: 450 Ladder Line Standoffs

Yahoo group: ham-antennas (2008)
Date: 2008-12-02 21:33:48 UTC
From: Richard Zolla
Topic: 7060 Message: 7063

Joe,

DX Engineering makes what they call "ladder line supports". They
might give you a starting point.

Rick N6NKN
>
>
> ----- Original Message -----
> From: kb3oyf
> To: ham-antennas@yahoogroups.com
> Sent: Tuesday, December 02, 2008 3:19 PM
> Subject: [ham-antennas] 450 Ladder Line Standoffs
>
>
> Hi Group,
>
> I'm putting up an antenna and want to use commercial 450 ohm
ladder
> line.
>
> What I'm looking for is standoffs to use with the wire (ie. from
the
> mast, from the building). I've searched the internet and couldn't
come
> up with anything.
>
> Does anyone know where I could get standoffs, articles to make
them, or
> any suggestions to make them.
>
> Thanks for the help.
>
> Joe - KB3OYF
>
>
>
>
>
>
> ---

>
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>

> No virus found in this incoming message.
> Checked by AVG - http://www.avg.com
> Version: 8.0.175 / Virus Database: 270.9.12/1824 - Release Date: 12/2/2008 9:31 AM
>
> ----------
>
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> ----------
>
>
> No virus found in this outgoing message.
> Checked by AVG - http://www.avg.com
> Version: 8.0.175 / Virus Database: 270.9.12/1824 - Release Date: 12/2/2008 9:31 AM
>
>
> [Non-text portions of this message have been removed]
>

7064. Re: [ham-antennas] 450 Ladder Line Standoffs

Yahoo group: ham-antennas (2008)
Date: 2008-12-02 22:04:00 UTC
From: Ken Burchfield
Topic: 7060 Message: 7064

You can Homebrew some from PVC pipe or below are a few Goggle finds and there are many more
73 Ken

Radioware & Radio Bookstore - Beverage & Ladder Line Standoff
Beverage & Ladder Line Standoff. This plastic standoff (designed for electric fences) is ideal for beverage antennas.

Just use a nail through the center to ...
www.radiobooks.com/products/blstd.htm - 3k - Cached - Similar pages

All About Ham Radio Ladderline
It's easy to make stand-offs from half-inch PVC pipe. "It's too hard to bring into the shack!" Baloney! There are

many waterproof ways to bring ladder line ...
www.athensarc.org/ladder.asp - 24k - Cached - Similar pages

The WireMan - Antenna and Station Accessories
Slip the 300-450 ladder line into the end of the 6+ inch standoff and lock in place with Nylon screw provided.

Specify length of tie required (Two included) ...
www.thewireman.com/antacc.html - 29k - Cached - Similar pages

PacketRadio is Still Alive.....Mississippi.....145.010.....Simplex.....1200 Baud

---
From: kb3oyf <kb3oyf@...>
To: ham-antennas@yahoogroups.com
Sent: Tuesday, December 2, 2008 2:19:09 PM
Subject: [ham-antennas] 450 Ladder Line Standoffs

Hi Group,

I'm putting up an antenna and want to use commercial 450 ohm ladder line.

What I'm looking for is standoffs to use with the wire (ie. from the mast, from the building). I've searched the internet and couldn't come up with anything.

Does anyone know where I could get standoffs, articles to make them, or any suggestions to make them.

Thanks for the help.

Joe - KB3OYF

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[Non-text portions of this message have been removed]

7065. Re: 450 Ladder Line Standoffs

Yahoo group: ham-antennas (2008)
Date: 2008-12-02 22:13:29 UTC
From: ad7gr
Topic: 7060 Message: 7065

Joe, The recommended spacing of ladder line away from metal is three times the spacing between the conductors of the ladder line. If you are using 2" ladder line then the offset would be 6".
A good read is "All About Ham Radio Ladderline" on www.athensarc.org/ladder.asp and I recall the ARRL having a article called "The Lure of Ladder Line" on their website.

Standoffs can be just about anything that is non-conductive. I have used electric fence standoffs, posts, egg insulators, etc.

73,
Ed - AD7GR

--- In ham-antennas@yahoogroups.com, "kb3oyf" <kb3oyf@...> wrote:
"... What I'm looking for is standoffs to use with the wire (ie. from the mast, from the building)...
Does anyone know where I could get standoffs, articles to make them, or any suggestions to make them..."

7066. Re: [ham-antennas] HF longwire antenna

Yahoo group: ham-antennas (2008)
Date: 2008-12-03 00:07:56 UTC
From: Siegfried Jackstien
Topic: 7057 Message: 7066

maybe you can set up a fullwave for 40 with a 1:9 stepup transformer and use it on 80 as an endfed halfwave .... on both situations the ipedance will be high (voltage fed) so it is worth a try
73´s de dg9bfc
----- Original Message -----
From: Doug Chlan
To: ham-antennas@yahoogroups.com
Sent: Tuesday, December 02, 2008 7:26 PM
Subject: [ham-antennas] HF longwire antenna

Hi Group,

I want to make a HF longwire (random wire) end fed antenna for 80m & 40m. Can I make a full wave 40m antenna that can be used on 80m with the aid of an antenna tuner? Any help appreciated.

Cheers!
Doug...
VE3GHQ

_____
Yahoo! Canada Toolbar: Search from anywhere on the web, and bookmark your favourite sites. Download it now at
http://ca.toolbar.yahoo..com.

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

7067. Re: [ham-antennas] 450 Ladder Line Standoffs

Yahoo group: ham-antennas (2008)
Date: 2008-12-03 00:10:50 UTC
From: Siegfried Jackstien
Topic: 7060 Message: 7067

dear joe
look for insulators for electric fences .... there are different versions and will do quite well
greetz
dg9bfc
----- Original Message -----
From: kb3oyf
To: ham-antennas@yahoogroups.com
Sent: Tuesday, December 02, 2008 9:19 PM
Subject: [ham-antennas] 450 Ladder Line Standoffs

Hi Group,

I'm putting up an antenna and want to use commercial 450 ohm ladder line.

What I'm looking for is standoffs to use with the wire (ie. from the mast, from the building). I've searched the internet and couldn't come up with anything.

Does anyone know where I could get standoffs, articles to make them, or any suggestions to make them.

Thanks for the help.

Joe - KB3OYF

[Non-text portions of this message have been removed]

7068. Re: [ham-antennas] 450 Ladder Line Standoffs

Yahoo group: ham-antennas (2008)
Date: 2008-12-03 00:24:10 UTC
From: danny garvin
Topic: 7060 Message: 7068

I use ladder line and my shack is in the basement with metal siding on the house so I had to be creative I used 1/2 PVC for stand offs with 3" L brackets and small hose clamps to attache the PVC to the bracket you can use a larger hose clamp to attach to the mast but on the side of the house I just used the screws that came with the brackets to attact to the house. I dont have to worry about a mast the center support is a 38' wodden A frame.
Hope this helps
Danny
  WB9RIM

From: kb3oyf <kb3oyf@...>
To: ham-antennas@yahoogroups.com
Sent: Tuesday, December 2, 2008 2:19:09 PM
Subject: [ham-antennas] 450 Ladder Line Standoffs

Hi Group,

I'm putting up an antenna and want to use commercial 450 ohm ladder line.

What I'm looking for is standoffs to use with the wire (ie. from the mast, from the building). I've searched the internet and couldn't come up with anything.

Does anyone know where I could get standoffs, articles to make them, or any suggestions to make them.

Thanks for the help.

Joe - KB3OYF

[Non-text portions of this message have been removed]

7069. Re: Loop Skywire?

Yahoo group: ham-antennas (2008)
Date: 2008-12-03 01:27:42 UTC
From: Jonathan Helis KB5IAV
Topic: 6985 Message: 7069

> 1a. Re: Loop Skywire?
> Posted by: "w8okn@..." w8okn@... w8okn1977
> Date: Mon Dec 1, 2008 9:46 am ((PST))
>
> I was able to get my WAS this weekend. I've been a ham for 32 years, worked every state a number of times, but with my career moving me every 3 years, I FINALLY got my WAS from northern Michigan. The contest helped me secure Hawaii!!! I probably had every state since 1980, but moved to go to college. Then one move after another until now. The certificate is on the way.
>
> I am ONE state from a CW W.A.S., and that is Montana.
>
> And all of this with a "limited space" vertical that outperforms my G5RV any day!

Congratulations on your WAS. I first achieved WAS in December 1989, after a little over 10 months on the air with 5 months as a Novice and 5 months as a General. Mine was a multiband(80,40,20,15,10) and multimode(CW and Phone) WAS. I was using a 10 meter dipole and a 60 foot U shaped wire fed at the corner with a single wire feed into a homebrew tuner. Both antennas were in the attic.

Right now I'm going after a PSK31 WAS using again two attic antennas, an AEA Isoloop and a 60 foot half wave open loop fed with twinlead into an MFJ balun and LDG Z11 Pro autotuner. Since June when I started, I have worked 37 states and confirmed 32, mostly on 20 meters, with some 40 and 30 as well.

It just goes to show even with compromise antennas, you can still do alot.

Good luck!

--
73,

Jonathan Helis, KB5IAV
Baton Rouge, Louisiana, USA

7070. Heath and electronic books

Yahoo group: ham-antennas (2008)
Date: 2008-12-03 02:55:49 UTC
From: mitchnozka
Topic: 7070 Message: 7070

Hi all,

I am selling off my remaining Heath/Zenith and electronics books. It is $1 per book (except a few that are marked) and cheap Media Mail shipping. Please give me an email if you are interested.

Thanks!

Mitch Nozka
mitchnozka@...
mitchnozka(at)gmail(dot)com

- Advanced Microprocessors - Book 1 - 1987 - EB-8088
- (qty 2) AC Electronics - Student Workbook - 1987 - EB-6102-41
- DC Electronics - 1978 - EB-6101 ($3)
- (qty 3) Electronic Circuits - Student Workbook - 1986 - EB-6104-41
- Electronic Communications - 1983 - EB-6106 ($5)
- (qty 4) Electronic Test Equipment - Book 2 - 1986 - EB-6105
- (qty 2) Electronic Test Equipment - Student Workbook - 1986 - EB-6105-40
- Semiconductor Devices - Student Workbook - 1986 - EB6103-41

- Application of Electronics ☐ Grob, Kiver - 1960
- Basic Electricity - Bureau of Naval Personnel - 1969 - $6.00
- Basic Mathematics for Electricity and Electronics - Bertrand Singer
- 1972
- Circuit Concepts: Direct and Alternating Current ☐ Kubala - 1976
- Digital - Systems, Logic and Applications - Adamson - 1989
- Electricity-Electronics Fundamentals - Text-Lab Manual - Zbar, Sloop
- 1986
- Electronic Components Handbook for Circuit Designers - Warring - 1983
- Electronics Fundamentals - Circuits, Devices, and Applications -
Floyd - 2001
- Electronics: Principles and Applications ☐ Schuler - 1999
- Experiments in Digital Principles - Leach - 1976
- Mathematics For Basic Electronics ☐ Grob - 1986
- McGraw-Hill Encyclopedia of Electronics and Computers - Parker - 1984
- Physical Science Electricity and Magnetism - 1992
- The RF Capacitor Handbook - American Technical Ceramics - 1994
- Smart House Wiring - Stauffer, Mullin - 1993
- (qty 2) Solid-State Electronics - Tedeschi, Taber - 1976
- Technical Mathematics - Robert Smith - 1996
- Telecommunication Cable Installer Technician - Student Manual -
McGrawHill - 2002

7071. Re: [ham-antennas] HF longwire antenna

Yahoo group: ham-antennas (2008)
Date: 2008-12-03 12:08:33 UTC
From: Thomas McGough
Topic: 7057 Message: 7071

Hello all,
    If any of you have a "Tractor Supply Store" around they carry all of those insulators for electric fences and they work very well for all dipole work. I get a pkg of 15 end insulators for somewhere around 10.00 and also one's that can be used for center insulators very cheap. 73' from Elkton,Md
KB3IPN/Tom

[Non-text portions of this message have been removed]

7072. Re: [ham-antennas] HF longwire antenna

Yahoo group: ham-antennas (2008)
Date: 2008-12-03 13:18:15 UTC
From: Jim Coon
Topic: 7057 Message: 7072

Thanks for the information on that. I forgot that places that carry electric fences would have material that would also serve as antenna insulators. After all the electric fence puts out a high enough voltage to burn plants aways and make you and cattle jump pretty good. I remember the cows standing in the creek, reaching under the fence to get something a little out of their reach. The fence would touch the back of their neck and they would bolt forward and break the fence.

Thomas McGough wrote:
>
> Hello all,
> If any of you have a "Tractor Supply Store" around they carry all
> of those insulators for electric fences and they work very well for
> all dipole work. I get a pkg of 15 end insulators for somewhere around
> 10.00 and also one's that can be used for center insulators very
> cheap. 73' from Elkton,Md
> KB3IPN/Tom
>
> [Non-text portions of this message have been removed]
>
>

7073. Re: [ham-antennas] Re: nulling with the indoor slinky loop

Yahoo group: ham-antennas (2008)
Date: 2008-12-03 13:21:38 UTC
From: Jim Coon
Topic: 7048 Message: 7073

However, REJECTing them will cause a lot of QRN from the XYL.

Steve Friis wrote:
>
> I think you all have the wrong idea, don't trap ?x-inlaws, REJECT them.
> Much quieter and less maintainance. ;-)
>
> Steve/WM5Z
> Just because you say I'm paranoid doesn't mean they aren't watching us.
>
> Jim Coon wrote:
> > Would you really want to trap your mother -in- law? They can get pretty
> > mean.
> >
> > I think it takes a bigger resistor and maybe some extra capacitance to
> > null out a brother-in-law.
> >
> > Its from KE4VYN wrote:
> >
> >> No chance on the Mother-in-law trap as that signal is usually a bigger
> >> and stronger one.
> >>
> >> 73,
> >> Lee
> >> KE4VYN
> >>
> >> ----- Original Message -----
> >> From: al_kozakiewicz<mailto:akozak@...
> <mailto:akozak%40hourglass.com>
> >> <mailto:akozak%40hourglass.com>>
> >> To: ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>
> >>
> <mailto:ham-antennas%40yahoogroups.com><mailto:ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>
> >> <mailto:ham-antennas%40yahoogroups.com>>
> >> Sent: Monday, December 01, 2008 11:49 PM
> >> Subject: [ham-antennas] Re: nulling with the indoor slinky loop
> >>
> >> If you can null out the entire country of Holland, would it be possible
> >> to show me how to null out my brother-in-law?
> >>
> >> 73
> >> Al
> >> AB2ZY

> >>
> >> --- In ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>
> >>
> <mailto:ham-antennas%40yahoogroups.com><mailto:ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>
> >> <mailto:ham-antennas%40yahoogroups.com>>, "DAVID" <dhamilton1@...>
> wrote:
> >>
> >>> hi here is a video of me nulling out holland here in scotland to
> >>> hopefully leave a good path open to the west many thanks david ..
> >>> ayrshire scotland
> >>> http://www.youtube.com/watch?v=rgZ4y0Gql6k
> <http://www.youtube.com/watch?v=rgZ4y0Gql6k>
> >>>
> >> <http://www.youtube.com/watch?v=rgZ4y0Gql6k
> <http://www.youtube.com/watch?v=rgZ4y0Gql6k>><http://www.youtube.com/watch?v=rgZ4y0Gql6k
> <http://www.youtube.com/watch?v=rgZ4y0Gql6k>
> >> <http://www.youtube.com/watch?v=rgZ4y0Gql6k
> <http://www.youtube.com/watch?v=rgZ4y0Gql6k>>>
> >>
> >> [Non-text portions of this message have been removed]
> >>
> >>
>
> Recent Activity
>
> *
> 11
> New Members
> <http://groups.yahoo.com/group/ham-antennas/members;_ylc=X3oDMTJnZWRkdmg3BF9TAzk3MzU5NzE
0BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARzZWMDdnRsBHNsawN2bWJycwRzdGltZQMxMjI4MjMwO
TYy>
> *
> 3
> New Photos
> <http://groups.yahoo.com/group/ham-antennas/spnew;_ylc=X3oDMTJnamlhZTZxBF9TAzk3MzU5NzE0B
GdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARzZWMDdnRsBHNsawN2cGhvdARzdGltZQMxMjI4MjMwOTY
y>
> *
> 1
> New Files
> <http://groups.yahoo.com/group/ham-antennas/files;_ylc=X3oDMTJodTduZTNyBF9TAzk3MzU5NzE0B
GdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARzZWMDdnRsBHNsawN2ZmlsZXMEc3RpbWUDMTIyODIzMDk
2Mg-->
>
> Visit Your Group
> <http://groups.yahoo.com/group/ham-antennas;_ylc=X3oDMTJmODBsZ3J1BF9TAzk3MzU5NzE0BGdycEl
kAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARzZWMDdnRsBHNsawN2Z2hwBHN0aW1lAzEyMjgyMzA5NjI->
>

> Drive Traffic
>
> Sponsored Search
> <http://us.ard.yahoo.com/SIG=13og744a1/M=493064.12016255.12445662.8674578/D=groups/S=1705063108:NC/Y=YAHOO/EXP=1228238162/L=/B=as6CHULaX.4-/J=1228230962334733/A=4025338/R=0/SIG=12jnci1fd/*http://us.rd.yahoo.com/evt=44092/*http://searchmarketing.yahoo.com/srch/index.php>
>
> can help increase
>
> your site traffic.
>
> Check out the
>
> Y! Groups blog
> <http://us.ard.yahoo.com/SIG=13o9tfanc/M=493064.12016258.12582637.8674578/D=groups/S=1705063108:NC/Y=YAHOO/EXP=1228238162/L=/B=a86CHULaX.4-/J=1228230962334733/A=5191952/R=0/SIG=112mhte3e/*http://www.ygroupsblog.com/blog/>
>
> Stay up to speed
>
> on all things Groups!
>
> Moderator Central
>
> Yahoo! Groups
> <http://us.ard.yahoo.com/SIG=13osqoi5b/M=493064.12016262.12445669.8674578/D=groups/S=1705063108:NC/Y=YAHOO/EXP=1228238162/L=/B=bM6CHULaX.4-/J=1228230962334733/A=5028925/R=0/SIG=11e3tma2a/*http://new.groups.yahoo.com/moderatorcentral>
>
> Get the latest news
>
> from the team.
>
> .
>
>

7074. Re: 450 Ladder Line Standoffs

Yahoo group: ham-antennas (2008)
Date: 2008-12-03 14:28:02 UTC
From: kb3oyf
Topic: 7060 Message: 7074

Hi Group,

Thanks for all of the suggestions.

Joe - KB3OYF

7075. Re: [ham-antennas] Re: nulling with the indoor slinky loop

Yahoo group: ham-antennas (2008)
Date: 2008-12-03 15:52:59 UTC
From: Steve Friis
Topic: 7048 Message: 7075

That just shows how poor your front to back ratio is, need to adjust the
blah blah match. Do it just like a gamma.

Steve/WM5Z
Just because you say I'm paranoid doesn't mean they aren't watching us.

Jim Coon wrote:
> However, REJECTing them will cause a lot of QRN from the XYL.
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> Steve Friis wrote:
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>> I think you all have the wrong idea, don't trap ?x-inlaws, REJECT them.
>> Much quieter and less maintainance. ;-)
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>> Just because you say I'm paranoid doesn't mean they aren't watching us.
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>>> null out a brother-in-law.
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>>> Its from KE4VYN wrote:
>>>
>>>
>>>> No chance on the Mother-in-law trap as that signal is usually a bigger
>>>> and stronger one.
>>>>
>>>> 73,
>>>> Lee
>>>> KE4VYN
>>>>
>>>> ----- Original Message -----
>>>> From: al_kozakiewicz<mailto:akozak@...
>>>>
>> <mailto:akozak%40hourglass.com>
>>
>>>> <mailto:akozak%40hourglass.com>>
>>>> To: ham-antennas@yahoogroups.com
>>>>
>> <mailto:ham-antennas%40yahoogroups.com>
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>>>> Sent: Monday, December 01, 2008 11:49 PM
>>>> Subject: [ham-antennas] Re: nulling with the indoor slinky loop
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>>>> AB2ZY
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>> <http://www.youtube.com/watch?v=rgZ4y0Gql6k>>>
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>>>> [Non-text portions of this message have been removed]
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>> Recent Activity
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>> 11

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>> <http://groups.yahoo.com/group/ham-antennas/members;_ylc=X3oDMTJnZWRkdmg3BF9TAzk3MzU5NzE0BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARzZWMDdnRsBHNsawN2bWJycwRzdGltZQMxMjI4MjMwOTYy>
>> *
>> 3
>> New Photos
>> <http://groups.yahoo.com/group/ham-antennas/spnew;_ylc=X3oDMTJnamlhZTZxBF9TAzk3MzU5NzE0BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARzZWMDdnRsBHNsawN2cGhvdARzdGltZQMxMjI4MjMwOTYy>
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>> <http://groups.yahoo.com/group/ham-antennas/files;_ylc=X3oDMTJodTduZTNyBF9TAzk3MzU5NzE0BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARzZWMDdnRsBHNsawN2ZmlsZXMEc3RpbWUDMTIyODIzMDk2Mg-->
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>> Visit Your Group
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>> Drive Traffic
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>> <http://us.ard.yahoo.com/SIG=13og744a1/M=493064.12016255.12445662.8674578/D=groups/S=1705063108:NC/Y=YAHOO/EXP=1228238162/L=/B=as6CHULaX.4-/J=1228230962334733/A=4025338/R=0/SIG=12jnci1fd/*http://us.rd.yahoo.com/evt=44092/*http://searchmarketing.yahoo.com/srch/index.php>
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>> can help increase
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>> Check out the
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>> Y! Groups blog
>> <http://us.ard.yahoo.com/SIG=13o9tfanc/M=493064.12016258.12582637.8674578/D=groups/S=1705063108:NC/Y=YAHOO/EXP=1228238162/L=/B=a86CHULaX.4-/J=1228230962334733/A=5191952/R=0/SIG=112mhte3e/*http://www.ygroupsblog.com/blog/>
>>
>> Stay up to speed
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>> on all things Groups!
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>> Moderator Central
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>> Yahoo! Groups
>> <http://us.ard.yahoo.com/SIG=13osqoi5b/M=493064.12016262.12445669.8674578/D=groups/S=1705063108:NC/Y=YAHOO/EXP=1228238162/L=/B=bM6CHULaX.4-/J=1228230962334733/A=5028925/R=0/SIG=11e3tma2a/*http://new.groups.yahoo.com/moderatorcentral>

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>> Get the latest news
>>
>> from the team.
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>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 1446 members (as of 9/26/08, and attachments are NOT permitted.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
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7076. Re: [ham-antennas] Re: nulling with the indoor slinky loop

Yahoo group: ham-antennas (2008)
Date: 2008-12-03 17:23:41 UTC
From: Jim Coon
Topic: 7048 Message: 7076

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increase the QRM as well as the QRN. Then you will need a much better
front to back ratio and may need to point the house in another direction.

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> >>>> ----- Original Message -----
> >>>> From: al_kozakiewicz<mailto:akozak@...

> <mailto:akozak%40hourglass.com>
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> >> New Members
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> >> Drive Traffic
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> >> Sponsored Search
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> <http://us.ard.yahoo.com/SIG=13og744a1/M=493064.12016255.12445662.8674578/D=groups/S=170
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> <http://us.ard.yahoo.com/SIG=13o9tfanc/M=493064.12016258.12582637.8674578/D=groups/S=170
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5063108:NC/Y=YAHOO/EXP=1228238162/L=/B=a86CHULaX.4-/J=1228230962334733/A=5191952/R=0/SIG=1
12mhte3e/*http://www.ygroupsblog.com/blog/>>
> >>
> >> Stay up to speed
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> >> on all things Groups!
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> >> Moderator Central
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> >> Yahoo! Groups
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> <http://us.ard.yahoo.com/SIG=13osqoi5b/M=493064.12016262.12445669.8674578/D=groups/S=170
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1e3tma2a/*http://new.groups.yahoo.com/moderatorcentral>>
> >>
> >> Get the latest news
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> >> from the team.
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> > Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> <mailto:ham-antennas-unsubscribe%40yahoogroups.com>
> > List owner: ham-antennas-owner@yahoogroups.com
> <mailto:ham-antennas-owner%40yahoogroups.com>
> > Yahoo! Groups Links
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7077. Re: HF longwire antenna

Yahoo group: ham-antennas (2008)
Date: 2008-12-03 23:35:32 UTC
From: k9qb
Topic: 7057 Message: 7077

I have access to cuttings of ABS and various other plastics...

I rip off little pieces about 1" by 3" on the band saw and drill
3/16" holes about 3/8" from each end...

If I'm in a pinch, I tie a loop of 6" with polyester rope(the really
cheap stuff!!) and hook my antenna wire up that way...

Anything to get an insulator...there's nothing magical about it!!
Geez...they're just insulators!

Be creative!...Mike, WA5PSE

--- In ham-antennas@yahoogroups.com, Thomas McGough <kb3ipn@...>
wrote:
>
> Hello all,
> If any of you have a "Tractor Supply Store" around they carry
all of those insulators for electric fences and they work very well
for all dipole work. I get a pkg of 15 end insulators for somewhere
around 10.00 and also one's that can be used for center insulators
very cheap. 73' from Elkton,Md
> KB3IPN/Tom
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>
> [Non-text portions of this message have been removed]
>

7078. Re: [ham-antennas] Re: nulling with the indoor slinky loop

Yahoo group: ham-antennas (2008)
Date: 2008-12-04 03:22:55 UTC
From: Steve Friis
Topic: 7048 Message: 7078

Many Grannies fit inside the bandpass, so it is very hard to tune out.
But Grannies supress the harmonics, so here, they are welcome.

Steve/WM5Z
Just because you say I'm paranoid doesn't mean they aren't watching us.

Jim Coon wrote:
> We should probably leave the Gramma's out of it or you can really
> increase the QRM as well as the QRN. Then you will need a much better
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>>>>>> ----- Original Message -----
>>>>>> From: al_kozakiewicz<mailto:akozak@...
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>>>>
>>>>>> <mailto:ham-antennas%40yahoogroups.com>>, "DAVID" <dhamilton1@...>
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>>>>>>> hi here is a video of me nulling out holland here in scotland to
>>>>>>> hopefully leave a good path open to the west many thanks david ..
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>>>>>> <http://www.youtube.com/watch?v=rgZ4y0Gql6k
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>> <http://www.youtube.com/watch?v=rgZ4y0Gql6k>
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>>>> <http://www.youtube.com/watch?v=rgZ4y0Gql6k

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>> <http://www.youtube.com/watch?v=rgZ4y0Gql6k>>>>
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>> <http://groups.yahoo.com/group/ham-antennas/members;_ylc=X3oDMTJnZWRkdmg3BF9TAzk3MzU5NzE0BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARzZWMDdnRsBHNsawN2bWJycwRzdGltZQMxMjI4MjMwOTYy>>
>>
>>>> *
>>>> 3
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>>>>
>> <http://groups.yahoo.com/group/ham-antennas/spnew;_ylc=X3oDMTJnamlhZTZxBF9TAzk3MzU5NzE0BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARzZWMDdnRsBHNsawN2cGhvdARzdGltZQMxMjI4MjMwOTYy
>> <http://groups.yahoo.com/group/ham-antennas/spnew;_ylc=X3oDMTJnamlhZTZxBF9TAzk3MzU5NzE0BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARzZWMDdnRsBHNsawN2cGhvdARzdGltZQMxMjI4MjMwOTYy>>
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>>>> Visit Your Group
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>>>> Check out the
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>>>> Y! Groups blog
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>>>> Stay up to speed
>>>>
>>>> on all things Groups!
>>>>
>>>> Moderator Central
>>>>
>>>> Yahoo! Groups
>>>>
>>>>
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11e3tma2a/*http://new.groups.yahoo.com/moderatorcentral>>
>>

>>>> Get the latest news
>>>>
>>>> from the team.
>>>>
>>>> .
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>>> ----------
>>>
>>> HAM ANTENNAS Anything and everything, tell us or ask questions.
>>>
>> Replies go to ALL 1446 members (as of 9/26/08, and attachments are NOT
>> permitted.
>>
>>> Post message: ham-antennas@yahoogroups.com
>>>
>> <mailto:ham-antennas%40yahoogroups.com>
>>
>>> Subscribe: ham-antennas-subscribe@yahoogroups.com
>>>
>> <mailto:ham-antennas-subscribe%40yahoogroups.com>
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>>> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
>>>
>> <mailto:ham-antennas-unsubscribe%40yahoogroups.com>
>>
>>> List owner: ham-antennas-owner@yahoogroups.com
>>>
>> <mailto:ham-antennas-owner%40yahoogroups.com>
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>>> Yahoo! Groups Links
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members (as of 9/26/08, and attachments are NOT permitted.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com

> Yahoo! Groups Links
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>

7079. Re: [ham-antennas] Re: nulling with the indoor slinky loop

Yahoo group: ham-antennas (2008)
Date: 2008-12-04 20:13:40 UTC
From: Jim Coon
Topic: 7048 Message: 7079

Harmonic suppression is always appreciated.

Steve Friis wrote:
>
> Many Grannies fit inside the bandpass, so it is very hard to tune out.
> But Grannies supress the harmonics, so here, they are welcome.
>
> Steve/WM5Z
> Just because you say I'm paranoid doesn't mean they aren't watching us.
>
> Jim Coon wrote:
> > We should probably leave the Gramma's out of it or you can really
> > increase the QRM as well as the QRN. Then you will need a much better
> > front to back ratio and may need to point the house in another
> direction.
> >
> > Steve Friis wrote:
> >
> >> That just shows how poor your front to back ratio is, need to
> adjust the
> >> blah blah match. Do it just like a gamma.
> >>
> >> Steve/WM5Z
> >> Just because you say I'm paranoid doesn't mean they aren't watching us.
> >>
> >> Jim Coon wrote:
> >>
> >>> However, REJECTing them will cause a lot of QRN from the XYL.
> >>>
> >>> Steve Friis wrote:
> >>>
> >>>
> >>>> I think you all have the wrong idea, don't trap ?x-inlaws, REJECT
> them.
> >>>> Much quieter and less maintainance. ;-)
> >>>>
> >>>> Steve/WM5Z
> >>>> Just because you say I'm paranoid doesn't mean they aren't
> watching us.
> >>>>
> >>>> Jim Coon wrote:
> >>>>
> >>>>
> >>>>> Would you really want to trap your mother -in- law? They can get
> >>>>>

> >> pretty
> >>
> >>>>> mean.
> >>>>>
> >>>>> I think it takes a bigger resistor and maybe some extra
> capacitance to
> >>>>> null out a brother-in-law.
> >>>>>
> >>>>> Its from KE4VYN wrote:
> >>>>>
> >>>>>
> >>>>>
> >>>>>> No chance on the Mother-in-law trap as that signal is usually a
> >>>>>>
> >> bigger
> >>
> >>>>>> and stronger one.
> >>>>>>
> >>>>>> 73,
> >>>>>> Lee
> >>>>>> KE4VYN
> >>>>>>
> >>>>>> ----- Original Message -----
> >>>>>> From: al_kozakiewicz<mailto:akozak@...
> <mailto:akozak%40hourglass.com>
> >>>>>>
> >> <mailto:akozak%40hourglass.com>
> >>
> >>>> <mailto:akozak%40hourglass.com>
> >>>>
> >>>>
> >>>>>> <mailto:akozak%40hourglass.com>>
> >>>>>> To: ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>
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> >> <mailto:ham-antennas%40yahoogroups.com>
> >>
> >>>> <mailto:ham-antennas%40yahoogroups.com>
> >>>>
> >>>>
> >>>>>> <mailto:ham-antennas%40yahoogroups.com>>

> >>>>>> Sent: Monday, December 01, 2008 11:49 PM
> >>>>>> Subject: [ham-antennas] Re: nulling with the indoor slinky loop
> >>>>>>
> >>>>>> If you can null out the entire country of Holland, would it be
> >>>>>>
> >> possible
> >>
> >>>>>> to show me how to null out my brother-in-law?
> >>>>>>
> >>>>>> 73
> >>>>>> Al
> >>>>>> AB2ZY
> >>>>>>
> >>>>>> --- In ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>
> >>>>>>
> >> <mailto:ham-antennas%40yahoogroups.com>
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> >>>> <mailto:ham-antennas%40yahoogroups.com>
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> >>>> <mailto:ham-antennas%40yahoogroups.com>
> >>>>
> >>>>
> >>>>>> <mailto:ham-antennas%40yahoogroups.com>>, "DAVID" <dhamilton1@...>
> >>>>>>
> >>>>>>
> >>>> wrote:
> >>>>
> >>>>
> >>>>>>> hi here is a video of me nulling out holland here in scotland to
> >>>>>>> hopefully leave a good path open to the west many thanks david ..
> >>>>>>> ayrshire scotland
> >>>>>>> http://www.youtube.com/watch?v=rgZ4y0Gql6k
> <http://www.youtube.com/watch?v=rgZ4y0Gql6k>
> >>>>>>>
> >> <http://www.youtube.com/watch?v=rgZ4y0Gql6k
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> >> <http://www.youtube.com/watch?v=rgZ4y0Gql6k
> <http://www.youtube.com/watch?v=rgZ4y0Gql6k>>>>>
> >>
> >>>>>> [Non-text portions of this message have been removed]
> >>>>>>
> >>>>>>
> >>>>>>
> >>>>>>
> >>>> Recent Activity
> >>>>
> >>>> *
> >>>> 11
> >>>> New Members
> >>>>
> >>>>
> >>
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TYy
> <http://groups.yahoo.com/group/ham-antennas/members;_ylc=X3oDMTJnZWRkdmg3BF9TAzk3MzU5NzE
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TYy>
>
> >>
> <http://groups.yahoo.com/group/ham-antennas/members;_ylc=X3oDMTJnZWRkdmg3BF9TAzk3MzU5NzE
0BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARzZWMDdnRsBHNsawN2bWJycwRzdGltZQMxMjI4MjMwO
TYy
> <http://groups.yahoo.com/group/ham-antennas/members;_ylc=X3oDMTJnZWRkdmg3BF9TAzk3MzU5NzE
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TYy>>>
> >>
> >>>> *
> >>>> 3
> >>>> New Photos
> >>>>
> >>>>
> >>
> <http://groups.yahoo.com/group/ham-antennas/spnew;_ylc=X3oDMTJnamlhZTZxBF9TAzk3MzU5NzE0B
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> <http://groups.yahoo.com/group/ham-antennas/files;_ylc=X3oDMTJodTduZTNyBF9TAzk3MzU5NzE0B
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> >>
> >>>> Visit Your Group
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> >>
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p>>>
> >>
> >>>> can help increase
> >>>>
> >>>> your site traffic.
> >>>>

> >>>> Check out the
> >>>>
> >>>> Y! Groups blog
> >>>>
> >>>>
> >>
> <http://us.ard.yahoo.com/SIG=13o9tfanc/M=493064.12016258.12582637.8674578/D=groups/S=170
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>
> >>
> <http://us.ard.yahoo.com/SIG=13o9tfanc/M=493064.12016258.12582637.8674578/D=groups/S=170
5063108:NC/Y=YAHOO/EXP=1228238162/L=/B=a86CHULaX.4-/J=1228230962334733/A=5191952/R=0/SIG=1
12mhte3e/*http://www.ygroupsblog.com/blog/
> <http://us.ard.yahoo.com/SIG=13o9tfanc/M=493064.12016258.12582637.8674578/D=groups/S=170
5063108:NC/Y=YAHOO/EXP=1228238162/L=/B=a86CHULaX.4-/J=1228230962334733/A=5191952/R=0/SIG=1
12mhte3e/*http://www.ygroupsblog.com/blog/>>>
> >>
> >>>> Stay up to speed
> >>>>
> >>>> on all things Groups!
> >>>>
> >>>> Moderator Central
> >>>>
> >>>> Yahoo! Groups
> >>>>
> >>>>
> >>
> <http://us.ard.yahoo.com/SIG=13osqoi5b/M=493064.12016262.12445669.8674578/D=groups/S=170
5063108:NC/Y=YAHOO/EXP=1228238162/L=/B=bM6CHULaX.4-/J=1228230962334733/A=5028925/R=0/SIG=1
1e3tma2a/*http://new.groups.yahoo.com/moderatorcentral
> <http://us.ard.yahoo.com/SIG=13osqoi5b/M=493064.12016262.12445669.8674578/D=groups/S=170
5063108:NC/Y=YAHOO/EXP=1228238162/L=/B=bM6CHULaX.4-/J=1228230962334733/A=5028925/R=0/SIG=1
1e3tma2a/*http://new.groups.yahoo.com/moderatorcentral>
>
> >>
> <http://us.ard.yahoo.com/SIG=13osqoi5b/M=493064.12016262.12445669.8674578/D=groups/S=170
5063108:NC/Y=YAHOO/EXP=1228238162/L=/B=bM6CHULaX.4-/J=1228230962334733/A=5028925/R=0/SIG=1
1e3tma2a/*http://new.groups.yahoo.com/moderatorcentral
> <http://us.ard.yahoo.com/SIG=13osqoi5b/M=493064.12016262.12445669.8674578/D=groups/S=170
5063108:NC/Y=YAHOO/EXP=1228238162/L=/B=bM6CHULaX.4-/J=1228230962334733/A=5028925/R=0/SIG=1
1e3tma2a/*http://new.groups.yahoo.com/moderatorcentral>>>
> >>
> >>>> Get the latest news
> >>>>
> >>>> from the team.
> >>>>

> >>>> .
> >>>>
> >>>>
> >>>>
> >>>>
> >>> ------------------------------------
> >>>
> >>> HAM ANTENNAS Anything and everything, tell us or ask questions.
> >>>
> >> Replies go to ALL 1446 members (as of 9/26/08, and attachments are NOT
> >> permitted.
> >>
> >>> Post message: ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>
> >>>
> >> <mailto:ham-antennas%40yahoogroups.com>
> >>
> >>> Subscribe: ham-antennas-subscribe@yahoogroups.com
> <mailto:ham-antennas-subscribe%40yahoogroups.com>
> >>>
> >> <mailto:ham-antennas-subscribe%40yahoogroups.com>
> >>
> >>> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> <mailto:ham-antennas-unsubscribe%40yahoogroups.com>
> >>>
> >> <mailto:ham-antennas-unsubscribe%40yahoogroups.com>
> >>
> >>> List owner: ham-antennas-owner@yahoogroups.com
> <mailto:ham-antennas-owner%40yahoogroups.com>
> >>>
> >> <mailto:ham-antennas-owner%40yahoogroups.com>
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> >>> Yahoo! Groups Links
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> > ------------------------------------
> >
> > HAM ANTENNAS Anything and everything, tell us or ask questions.
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> > Post message: ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>
> > Subscribe: ham-antennas-subscribe@yahoogroups.com

> <mailto:ham-antennas-subscribe%40yahoogroups.com>
> > Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> <mailto:ham-antennas-unsubscribe%40yahoogroups.com>
> > List owner: ham-antennas-owner@yahoogroups.com
> <mailto:ham-antennas-owner%40yahoogroups.com>
> > Yahoo! Groups Links
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7080. Re: [ham-antennas] HF longwire antenna

Yahoo group: ham-antennas (2008)
Date: 2008-12-04 21:53:42 UTC
From: Doug Chlan
Topic: 7057 Message: 7080

Sigi,

I don't quite understand your advice. Why do I need a stepup transformer? Won't the antenna tuner just take care of things?

Cheers!
Doug...
VE3GHQ

_____
Looking for the perfect gift? Give the gift of Flickr!

http://www.flickr.com/gift/

[Non-text portions of this message have been removed]

7081. Re: [ham-antennas] HF longwire antenna

Yahoo group: ham-antennas (2008)
Date: 2008-12-04 23:09:33 UTC
From: Siegfried Jackstien
Topic: 7057 Message: 7081

the stepup is to lower the swr on the coax .... so the losses are lower
if you feed a voltage fed antenna swr will be VERY high so additional loss is on the line
your tuner in the shack will tune the line but no output of the antenna cause it is a very high impedance on the feeding point
hope you understand it now
greetz
sigi
----- Original Message -----
From: Doug Chlan
To: ham-antennas@yahoogroups.com
Sent: Thursday, December 04, 2008 10:53 PM
Subject: Re: [ham-antennas] HF longwire antenna

Sigi,

I don't quite understand your advice. Why do I need a stepup transformer? Won't the antenna tuner just take care of things?

Cheers!
Doug...
VE3GHQ

_____
Looking for the perfect gift? Give the gift of Flickr!

http://www.flickr.com/gift/

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

7082. New file uploaded to ham-antennas

Yahoo group: ham-antennas (2008)
Date: 2008-12-05 01:08:09 UTC
From: ham-antennas@yahoogroups.com
Topic: 389 Message: 7082

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the ham-antennas
group.

File : /DSC03461.JPG
Uploaded by : kp4lcl <kp4lcl@...>
Description : Photo From Arecibo Observatory

You can access this file at the URL:
http://groups.yahoo.com/group/ham-antennas/files/DSC03461.JPG

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/members/web/index.htmlfiles

Regards,

kp4lcl <kp4lcl@...>

7083. Re: Long Coax Run - Having Trouble Making Contacts

Yahoo group: ham-antennas (2008)
Date: 2008-12-05 15:19:53 UTC
From: johnsobryan
Topic: 6923 Message: 7083

I put up a new antenna this week - the Par Electronics End Fed Dipole (EF-20) which I understand is a great antenna and I have achieved less than 1.5 SWR with no tuner. But to get this away from my house and metal roof, I had to run about 220 feet of coax. So it was a trade-off - to get the lower noise floor, I had to move the antenna and live with a long coax run.

But most of my contacts have been very weak (my reports 559 or so) and I have lost many since my signal was below the noise floor or faded. (Working 20 meters only).

With all the great reviews on the EF-20 antenna (and I agree it hears very well), I suspect that I am losing quite a bit of power through my coax, which is cable tv 75 ohm RG-6/U and I'm running 100 watts from my TS-930.

Before spending about $250 on really good coax, should I try anything else? Or spend money on an amplifier? My 930s puts out 130 watts, so even if I lost half the power in the coax, I would still be putting 65 watts to the antenna which should be enough to overcome the noise floor and be heard.

Thanks!

--- In ham-antennas@yahoogroups.com, nharvey113@... wrote:
>
> I have a 100 foot run of coax to my verticle, and I use a remote antenna
> tuner---the MFJ- 927.? It keeps the SWR near flat through all frequencies.
>
> Neil Harvey?? AC6YO
>
>
> -----Original Message-----
> From: johnsobryan <johnsobryan@...>
> To: ham-antennas@yahoogroups.com
> Sent: Tue, 25 Nov 2008 4:36 pm
> Subject: [ham-antennas] Re: Recommendations for Long Coax Run
>
>
>
>
>
>
> I appreciate all the advice and if it weren't for the metal roof

and
> having to bury at least a portion of the cable, I'd go with ladder
line
> because of low loss. Perhaps I could run coax across the roof and
> buried portion (about 100 feet) then the rest of the 260 feet could
be
> ladder line? I'm not sure how that would work, whether I could just
> hook up coax to ladder line, etc but I'd be interested if anyone
has
> used both in the same run to the antenna.
>
> Thanks.
>
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

7084. Looking to buy MFJ-998

Yahoo group: ham-antennas (2008)
Date: 2008-12-05 16:11:52 UTC
From: Scott Gillis N3UJJ
Topic: 7084 Message: 7084

Hope it's OK to post this here, if not, moderators please delete.

I'm looking for an MFJ-998 Intellituner if anyone has one for sale.

Please reply "OFF-LIST" to n3ujj@...

Scott Gillis N3UJJ
<http://n3ujj.com/hamshack.html> My Hamshack
<http://location.n3ujj.com/> My Current Location
<http://weather.n3ujj.com/> My Amateur Weather Station

[Non-text portions of this message have been removed]

7085. Re: [ham-antennas] Re: Long Coax Run - Having Trouble Making Contacts

Yahoo group: ham-antennas (2008)
Date: 2008-12-05 17:30:54 UTC
From: Siegfried Jackstien
Topic: 6923 Message: 7085

220 feet is a VERY long run for this thin cable....
with a better coax you have more output AND better receiving
you loose more or less half of the power i think ... depends of the cable you use
i don´t know what loss per feet your cable has but you said
it is 75 ohm cable tv .... swr is 1.5 cause your cable impedance
swr at the feedingpoint may be a lot higher
hope that helps a bit
ps: dont spend money for an amp before getting a better cable
----- Original Message -----
From: johnsobryan
To: ham-antennas@yahoogroups.com
Sent: Friday, December 05, 2008 4:19 PM
Subject: [ham-antennas] Re: Long Coax Run - Having Trouble Making Contacts

I put up a new antenna this week - the Par Electronics End Fed Dipole
(EF-20) which I understand is a great antenna and I have achieved
less than 1.5 SWR with no tuner. But to get this away from my house
and metal roof, I had to run about 220 feet of coax. So it was a
trade-off - to get the lower noise floor, I had to move the antenna
and live with a long coax run.

But most of my contacts have been very weak (my reports 559 or so)
and I have lost many since my signal was below the noise floor or
faded. (Working 20 meters only).

With all the great reviews on the EF-20 antenna (and I agree it hears
very well), I suspect that I am losing quite a bit of power through
my coax, which is cable tv 75 ohm RG-6/U and I'm running 100 watts
from my TS-930.

Before spending about $250 on really good coax, should I try anything
else? Or spend money on an amplifier? My 930s puts out 130 watts, so
even if I lost half the power in the coax, I would still be putting
65 watts to the antenna which should be enough to overcome the noise
floor and be heard.

Thanks!

--- In ham-antennas@yahoogroups.com, nharvey113@... wrote:
>
> I have a 100 foot run of coax to my verticle, and I use a remote
antenna
> tuner---the MFJ- 927.? It keeps the SWR near flat through all
frequencies.
>

> Neil Harvey?? AC6YO
>
>
> -----Original Message-----
> From: johnsobryan <johnsobryan@...>
> To: ham-antennas@yahoogroups.com
> Sent: Tue, 25 Nov 2008 4:36 pm
> Subject: [ham-antennas] Re: Recommendations for Long Coax Run
>
>
>
>
>
>
> I appreciate all the advice and if it weren't for the metal roof
and
> having to bury at least a portion of the cable, I'd go with ladder
line
> because of low loss. Perhaps I could run coax across the roof and
> buried portion (about 100 feet) then the rest of the 260 feet could
be
> ladder line? I'm not sure how that would work, whether I could just
> hook up coax to ladder line, etc but I'd be interested if anyone
has
> used both in the same run to the antenna.
>
> Thanks.
>
>
>
>
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>
> [Non-text portions of this message have been removed]
>

[Non-text portions of this message have been removed]

7086. Re: [ham-antennas] Re: Long Coax Run - Having Trouble Making Contacts

Yahoo group: ham-antennas (2008)
Date: 2008-12-05 18:14:58 UTC
From: Chris
Topic: 6923 Message: 7086

The Par End Fedz will simply burn up if you run QRO through them...I've seen what they look like after 500W was put through them....crispy.

Don't buy an amp at all with that antenna as the load.

On Fri, Dec 5, 2008 at 12:30 PM, Siegfried Jackstien <siegfried.jackstien@...> wrote:
> ps: dont spend money for an amp before getting a better cable
>

7087. Rewinding Hustler RM-40 Mobile Antenna

Yahoo group: ham-antennas (2008)
Date: 2008-12-05 18:30:10 UTC
From: visualco2
Topic: 7087 Message: 7087

I have a Hustler Rm-40 Mobile Antenna that I think might be shorted,I can't get the SWR down at all. I'd like to rewind it for 40 Meters with 14-16 Ga. bare copper wire. Any ideas on the number of winds that would be required would be greatly appreciated.
"73" N1UVW

7088. Twinlead

Yahoo group: ham-antennas (2008)
Date: 2008-12-05 18:36:09 UTC
From: Andy
Topic: 7088 Message: 7088

There were some questions a while back about where to get 300 ohm twinlead, with sources drying up. If you have trouble finding any at your local hardware store ... I'm not recommending this one way or the other, just mentioning it.

MFJ @ 40-50 cents a foot.

MFJ's 450 ohm ladderline is a little cheaper than the 300 ohm twinlead.

Radio Shack was also mentioned. The last time I looked, my local Radio Shack had no regular twinlead anymore, all they had was shielded twinlead stuff. I don't know how that compares to "regular" twinlead (probably more lossy because no air dielectric), and I'm sure it wouldn't work well for things like those roll-up J-poles. We also hear things about quality problems with R-S coax and twinlead, so there's that to consider...

Andy

7089. Re: [ham-antennas] Rewinding Hustler RM-40 Mobile Antenna

Yahoo group: ham-antennas (2008)
Date: 2008-12-05 19:36:06 UTC
From: Steve Friis
Topic: 7087 Message: 7089

How many turns are on there now? Should be pretty close. You are only going up in size of wire, all other dimensions will remain the same? Only question is would the wire fit without shorting. Since you think the turns are shorted, that would mean that the insulation broke down under the heatshrink. I would be more inclined to think that one end or the other opened up. This is the usual case with Hustler coils. They vibrate and the shocks eventually break the solder.

I have never tried to open one to try to fix one, not that you couldn't try. Mine always broke on the stinger end. You can tell if it is indead open with an ohm meter from shaft end to stinger end. If it is open, then the ohm meter will read open. A grid dip meter would tell you where it is tuned, if there is some turn shorted.

Steve/WM5Z
Just because you say I'm paranoid doesn't mean they aren't watching us.

visualco2 wrote:
> I have a Hustler Rm-40 Mobile Antenna that I think might be shorted,I
> can't get the SWR down at all. I'd like to rewind it for 40 Meters
> with 14-16 Ga. bare copper wire. Any ideas on the number of winds that
> would be required would be greatly appreciated.
> "73" N1UVW
>
>
> ---
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 1446 members (as of 9/26/08, and attachments are NOT permitted.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
>
>

7090. I'd like your opinions

Yahoo group: ham-antennas (2008)
Date: 2008-12-05 19:59:03 UTC
From: Scott Laughlin
Topic: 7090 Message: 7090

In the spring of '09 I'm pondering an extended motorcycle trip from Texas to Oregon. I'd like to use my MFJ-9040 (CW) monobander in order to play radio along the way.

Last year I took along a pruned dipole, but all the extra cords, the necessary coax, and trees always in the wrong places sure took the shine off that idea.

This year I'll settle for the decreased gain of a MFJ 40m Hamstick. Even the smallest tuner is too bulky. However, I could live with the bulk of a MFJ-909 C-Matcher. Do you think it will provide a suitable match for a 5-watt signal?

I've included the website below.

http://www.mfjenterprises.com/Product.php?productid=MFJ-909

I thought the tuner needed some added inductance, but apparetnly this 909 does the match using capacitors only. Does someone have experience with fabricating a static, single capacitor that would do the job?

Many thanks,

Scott/n7net/qrp

7091. Re: I'd like your opinions

Yahoo group: ham-antennas (2008)
Date: 2008-12-05 20:10:25 UTC
From: Rick
Topic: 7090 Message: 7091

Scott,
The only thing tha the 909 does is that it transforms the low impedance of a mobile antenna to 50 ohms - its not really a tuner. In other words, you couldn't use it to match something like a random wire to the radio. But it should help you get a better match on your Hamstick antenna. By the way, you could do the same with a simple shunt matching coil which would cost a lot less !
73
Rick
KC8AON

--- In ham-antennas@yahoogroups.com, "Scott Laughlin" <n7net@...> wrote:
>
> In the spring of '09 I'm pondering an extended motorcycle trip from
> Texas to Oregon. I'd like to use my MFJ-9040 (CW) monobander in order
> to play radio along the way.
>
> Last year I took along a pruned dipole, but all the extra cords, the
> necessary coax, and trees always in the wrong places sure took the
> shine off that idea.
>
> This year I'll settle for the decreased gain of a MFJ 40m Hamstick.
> Even the smallest tuner is too bulky. However, I could live with the
> bulk of a MFJ-909 C-Matcher. Do you think it will provide a suitable
> match for a 5-watt signal?
>
> I've included the website below.
>
> http://www.mfjenterprises.com/Product.php?productid=MFJ-909
>
> I thought the tuner needed some added inductance, but apparetnly this
> 909 does the match using capacitors only. Does someone have experience
> with fabricating a static, single capacitor that would do the job?
>
> Many thanks,
>
> Scott/n7net/qrp

>

7092. Re: HF longwire antenna

Yahoo group: ham-antennas (2008)
Date: 2008-12-05 20:44:53 UTC
From: Rick
Topic: 7057 Message: 7092

Yes you can, but make sure the tuner is at the feedpoint of the end fed wire to eliminate losses in the coax feedline. You will also want a good ground with this system.
73
Rick
KC8AON

--- In ham-antennas@yahoogroups.com, Doug Chlan <dxreddog@...> wrote:
>
> Hi Group,
>
> I want to make a HF longwire (random wire) end fed antenna for 80m & 40m. Can I make a full wave 40m antenna that can be used on 80m with the aid of an antenna tuner? Any help appreciated.
>
> Cheers!
> Doug...
> VE3GHQ
>
>
>

> Yahoo! Canada Toolbar: Search from anywhere on the web, and bookmark your favourite sites. Download it now at
> http://ca.toolbar.yahoo..com.
>
> [Non-text portions of this message have been removed]
>

7093. Re: [ham-antennas] I'd like your opinions

Yahoo group: ham-antennas (2008)
Date: 2008-12-05 20:49:39 UTC
From: Earl Needham
Topic: 7090 Message: 7093

Scott Laughlin wrote:
> In the spring of '09 I'm pondering an extended motorcycle trip from
> Texas to Oregon. I'd like to use my MFJ-9040 (CW) monobander in order
> to play radio along the way.
>
> Last year I took along a pruned dipole, but all the extra cords, the
> necessary coax, and trees always in the wrong places sure took the
> shine off that idea.
>
> This year I'll settle for the decreased gain of a MFJ 40m Hamstick.
> Even the smallest tuner is too bulky. However, I could live with the
> bulk of a MFJ-909 C-Matcher. Do you think it will provide a suitable
> match for a 5-watt signal?
>
Years ago I operated with an Atlas 210X on my Gold Wing. I used a Hustler setup, mounted to the crash bars with a trucker mirror mount meant for a CB antenna. It worked well, allowed me to contact hams all over North America on 20 meters. That setup had the other advantage of allowing different bands with very little extra hardware -- just another resonator for each band. It also gave me a nice SWR with no base matching at all -- meaning it has a good bit of loss, but still very usable. Unless you already have the Hamstick, you might consider the Hustler setup. Unless of course, you can get that old TRI-BAND Swantenna!!! HI...

7 3
Earl

--
KD5XB -- Earl Needham
Clovis, New Mexico DM84jk
http://groups.yahoo.com/group/cw_bugs
Quoting from the Coast Guard: ZUT

7094. Re: [ham-antennas] Re: Long Coax Run - Having Trouble Making Contacts

Yahoo group: ham-antennas (2008)
Date: 2008-12-05 21:02:30 UTC
From: Chuck Schultz
Topic: 6923 Message: 7094

Amen..... You will always get the most bang for your buck if spent on your antenna and that includes the feed line. This is the least expensive part of the station ,yet has the most influence of any componet. May I put it another way: You would have more success with a 50 year old transciever and a good antenna than with a state-of-the-art modern double throw down double whammy Dazzler 999 or any other bells and whistles rig and a noodle for an antenna. At 100 watts output you could be jepardizing your rig now . I hope I have danced around this subject in such a way as to get the point across , I just hate to beat around the bush. Chuck Wq5B
----- Original Message -----
From: Chris
To: ham-antennas@yahoogroups.com
Sent: Friday, December 05, 2008 12:14 PM
Subject: Re: [ham-antennas] Re: Long Coax Run - Having Trouble Making Contacts

The Par End Fedz will simply burn up if you run QRO through
them...I've seen what they look like after 500W was put through
them....crispy.

Don't buy an amp at all with that antenna as the load.

On Fri, Dec 5, 2008 at 12:30 PM, Siegfried Jackstien
<siegfried.jackstien@...> wrote:
> ps: dont spend money for an amp before getting a better cable
>

[Non-text portions of this message have been removed]

7095. Re: [ham-antennas] I'd like your opinions

Yahoo group: ham-antennas (2008)
Date: 2008-12-05 21:28:23 UTC
From: ktnjoepark@aol.com
Topic: 7090 Message: 7095

The big White Coil in the center of the Swan antenna would look more impressive,

Joe WB6AGR

-----Original Message-----
From: Earl Needham <needhame1@...>
To: ham-antennas@yahoogroups.com
Sent: Fri, 5 Dec 2008 12:49 pm
Subject: Re: [ham-antennas] I'd like your opinions

Scott Laughlin wrote:
> In the spring of '09 I'm pondering an extended motorcycle trip from
> Texas to Oregon. I'd like to use my MFJ-9040 (CW) monobander in order
> to play radio along the way.
>
> Last year I took along a pruned dipole, but all the extra cords, the
> necessary coax, and trees always in the wrong places sure took the
> shine off that idea.
>
> This year I'll settle for the decreased gain of a MFJ 40m Hamstick.
> Even the smallest tuner is too bulky. However, I could live with the
> bulk of a MFJ-909 C-Matcher. Do you think it will provide a suitable
> match for a 5-watt signal?
>
Years ago I operated with an Atlas 210X on my Gold Wing. I used a
Hustler setup, mounted to the crash bars with a trucker mirror mount
meant for a CB antenna. It worked well, allowed me to contact hams all
over North America on 20 meters. That setup had the other advantage of
allowing different bands with very little extra hardware -- just another
resonator for each band. It also gave me a nice SWR with no base
matching at all -- meaning it has a good bit of loss, but still very
usable. Unless you already have the Hamstick, you might consider the
Hustler setup. Unless of course, you can get that old TRI-BAND
Swantenna!!! HI...

7 3
Earl

--
KD5XB -- Earl Needham
Clovis, New Mexico DM84jk
http://groups.yahoo.com/group/cw_bugs
Quoting from the Coast Guard: ZUT

[Non-text portions of this message have been removed]

7096. Re: Rewinding Hustler RM-40 Mobile Antenna

Yahoo group: ham-antennas (2008)
Date: 2008-12-05 22:39:10 UTC
From: visualco2
Topic: 7087 Message: 7096

--- In ham-antennas@yahoogroups.com, Steve Friis <wm5z@...> wrote:
>
> How many turns are on there now? Should be pretty close. You are only
> going up in size of wire, all other dimensions will remain the same?
> Only question is would the wire fit without shorting. Since you think
> the turns are shorted, that would mean that the insulation broke down
> under the heatshrink. I would be more inclined to think that one end or
> the other opened up. This is the usual case with Hustler coils. They
> vibrate and the shocks eventually break the solder.
>
> I have never tried to open one to try to fix one, not that you couldn't
> try. Mine always broke on the stinger end. You can tell if it is indead
> open with an ohm meter from shaft end to stinger end. If it is open,
> then the ohm meter will read open. A grid dip meter would tell you
where
> it is tuned, if there is some turn shorted.
>
> Steve/WM5Z
> Just because you say I'm paranoid doesn't mean they aren't watching us.
>
>
>
> visualco2 wrote:
> > I have a Hustler Rm-40 Mobile Antenna that I think might be shorted,I
> > can't get the SWR down at all. I'd like to rewind it for 40 Meters
> > with 14-16 Ga. bare copper wire. Any ideas on the number of winds that
> > would be required would be greatly appreciated.
> > "73" N1UVW
> >Thanks for replying, I've wound a 75 meter Hustler to 20 meters
with 37 turns of 14 Ga. , I believe they used 26 Ga. on the original.
I'd like to go with a heavier Ga. than on there now. So if I count the
turns that came off the 40 meter ant. and substituted a larger Ga. do
you think I'd be close to the original? .
"73" N1UVW
> >
> > ------------------------------------
> >
> > HAM ANTENNAS Anything and everything, tell us or ask questions.
Replies go to ALL 1446 members (as of 9/26/08, and attachments are NOT
permitted.
> > Post message: ham-antennas@yahoogroups.com
> > Subscribe: ham-antennas-subscribe@yahoogroups.com
> > Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> > List owner: ham-antennas-owner@yahoogroups.com
> > Yahoo! Groups Links

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7097. Re: I'd like your opinions

Yahoo group: ham-antennas (2008)
Date: 2008-12-05 23:01:47 UTC
From: Scott Laughlin
Topic: 7090 Message: 7097

--- In ham-antennas@yahoogroups.com, Earl Needham <needhame1@...>
wrote:
>
> Scott Laughlin wrote:
> > In the spring of '09 I'm pondering an extended motorcycle trip
from
> > Texas to Oregon. I'd like to use my MFJ-9040 (CW) monobander in
order
> > to play radio along the way.
> >
> > Last year I took along a pruned dipole, but all the extra cords,
the
> > necessary coax, and trees always in the wrong places sure took
the
> > shine off that idea.
> >
> > This year I'll settle for the decreased gain of a MFJ 40m
Hamstick.
> > Even the smallest tuner is too bulky. However, I could live
with the
> > bulk of a MFJ-909 C-Matcher. Do you think it will provide a
suitable
> > match for a 5-watt signal?
> >
> Years ago I operated with an Atlas 210X on my Gold Wing. I
used a
> Hustler setup, mounted to the crash bars with a trucker mirror
mount
> meant for a CB antenna. It worked well, allowed me to contact hams
all
> over North America on 20 meters. That setup had the other
advantage of
> allowing different bands with very little extra hardware -- just
another
> resonator for each band. It also gave me a nice SWR with no base
> matching at all -- meaning it has a good bit of loss, but still
very
> usable. Unless you already have the Hamstick, you might consider
the
> Hustler setup. Unless of course, you can get that old TRI-BAND
> Swantenna!!! HI...
>
> 7 3
> Earl
>

> --
> KD5XB -- Earl Needham
> Clovis, New Mexico DM84jk
> http://groups.yahoo.com/group/cw_bugs
> Quoting from the Coast Guard: ZUT
>

==========

Earl,

Thanks for the suggestion. It certainly bears some thought.

I've riding a CB-900C the last five years. I'm sure I could find a place to mount it.

73 de Scott/n7net

7098. Re: [ham-antennas] Re: I'd like your opinions

Yahoo group: ham-antennas (2008)
Date: 2008-12-05 23:12:17 UTC
From: Earl Needham
Topic: 7090 Message: 7098

Scott Laughlin wrote:
> I've riding a CB-900C the last five years. I'm sure I could find a
> place to mount it.
>
The 1980 model???

7 3
Earl

--
KD5XB -- Earl Needham
Clovis, New Mexico DM84jk
http://groups.yahoo.com/group/cw_bugs
Quoting from the Coast Guard: ZUT

7099. Re: I'd like your opinions

Yahoo group: ham-antennas (2008)
Date: 2008-12-06 01:36:05 UTC
From: Scott Laughlin
Topic: 7090 Message: 7099

Yupers, bought it in Phoenix in 02 or 03. I've had two Goldwings, and I'd rather have a third, but they get pretty heavy in the parking lot traffic like Dallas.

I did some 20m from it the summer of 07 while camped at the Devil's Den in Arkansas. Other than than that it's been APRS with a J-Pole or a modified 5/8 that uses the motorcycle frame as a ground plane.

73 de Scott

--- In ham-antennas@yahoogroups.com, Earl Needham <needhame1@...> wrote:
>
> Scott Laughlin wrote:
> > I've riding a CB-900C the last five years. I'm sure I could find a
> > place to mount it.
> >
> The 1980 model???
>
> 7 3
> Earl
>
> --
> KD5XB -- Earl Needham
> Clovis, New Mexico DM84jk
> http://groups.yahoo.com/group/cw_bugs
> Quoting from the Coast Guard: ZUT
>

7100. Re: [ham-antennas] Re: I'd like your opinions

Yahoo group: ham-antennas (2008)
Date: 2008-12-06 13:38:23 UTC
From: Jim Coon
Topic: 7090 Message: 7100

My son had one of those. Nice bike

Scott Laughlin wrote:
>
> -
>
> Thanks for the suggestion. It certainly bears some thought.
>
> I've riding a CB-900C the last five years. I'm sure I could find a
> place to mount it.
>
> 73 de Scott/n7net
>
>

7101. Re: [ham-antennas] Re: Rewinding Hustler RM-40 Mobile Antenna

Yahoo group: ham-antennas (2008)
Date: 2008-12-06 13:40:55 UTC
From: Steve Friis
Topic: 7087 Message: 7101

Yup, if 14 turns will fit with 14Ga. then that is what I would do. I had no idea they used something as small as 26Ga. When I had a set of Hustlers, I had the set rated at 1KW, not the 400W ones. No wonder the bandwidth was so broad, the coil has no 'Q'.

Steve/WM5Z

visualco2 wrote:
> --- In ham-antennas@yahoogroups.com, Steve Friis <wm5z@...> wrote:
>
>> How many turns are on there now? Should be pretty close. You are only
>> going up in size of wire, all other dimensions will remain the same?
>> Only question is would the wire fit without shorting. Since you think
>> the turns are shorted, that would mean that the insulation broke down
>> under the heatshrink. I would be more inclined to think that one end or
>> the other opened up. This is the usual case with Hustler coils. They
>> vibrate and the shocks eventually break the solder.
>>
>> I have never tried to open one to try to fix one, not that you couldn't
>> try. Mine always broke on the stinger end. You can tell if it is indead
>> open with an ohm meter from shaft end to stinger end. If it is open,
>> then the ohm meter will read open. A grid dip meter would tell you
>>
> where
>
>> it is tuned, if there is some turn shorted.
>>
>> Steve/WM5Z
>> Just because you say I'm paranoid doesn't mean they aren't watching us.
>>
>>
>>
>> visualco2 wrote:
>>
>>> I have a Hustler Rm-40 Mobile Antenna that I think might be shorted,I
>>> can't get the SWR down at all. I'd like to rewind it for 40 Meters
>>> with 14-16 Ga. bare copper wire. Any ideas on the number of winds that
>>> would be required would be greatly appreciated.
>>> "73" N1UVW
>>> Thanks for replying, I've wound a 75 meter Hustler to 20 meters
>>>
> with 37 turns of 14 Ga. , I believe they used 26 Ga. on the original.
> I'd like to go with a heavier Ga. than on there now. So if I count the
> turns that came off the 40 meter ant. and substituted a larger Ga. do
> you think I'd be close to the original? .

> "73" N1UVW
>
>>> ----------
>>>
>>> HAM ANTENNAS Anything and everything, tell us or ask questions.
>>>
> Replies go to ALL 1446 members (as of 9/26/08, and attachments are NOT
> permitted.
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>>> Post message: ham-antennas@yahoogroups.com
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> Yahoo! Groups Links
>
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>

7102. Re: [ham-antennas] Re: Rewinding Hustler RM-40 Mobile Antenna

Yahoo group: ham-antennas (2008)
Date: 2008-12-06 13:55:20 UTC
From: Earl Needham
Topic: 7087 Message: 7102

Steve Friis wrote:
> Yup, if 14 turns will fit with 14Ga. then that is what I would do. I had
> no idea they used something as small as 26Ga. When I had a set of
> Hustlers, I had the set rated at 1KW, not the 400W ones. No wonder the
> bandwidth was so broad, the coil has no 'Q'.
>
That's right, and the big ones are worse than the small ones, due in
large part to the metal end caps.

Good Morning!
Earl

--
KD5XB -- Earl Needham
Clovis, New Mexico DM84jk
http://groups.yahoo.com/group/cw_bugs
Quoting from the Coast Guard: ZUT

7103. Re: [ham-antennas] Re: Long Coax Run - Having Trouble Making Contacts

Yahoo group: ham-antennas (2008)
Date: 2008-12-06 13:56:54 UTC
From: Jim Coon
Topic: 6923 Message: 7103

Can you put up a vertical on the roof? The metal roof would make a
great ground plane

johnsobryan wrote:
>
> I put up a new antenna this week - the Par Electronics End Fed Dipole
> (EF-20) which I understand is a great antenna and I have achieved
> less than 1.5 SWR with no tuner. But to get this away from my house
> and metal roof, I had to run about 220 feet of coax. So it was a
> trade-off - to get the lower noise floor, I had to move the antenna
> and live with a long coax run.
>
> But most of my contacts have been very weak (my reports 559 or so)
> and I have lost many since my signal was below the noise floor or
> faded. (Working 20 meters only).
>
> With all the great reviews on the EF-20 antenna (and I agree it hears
> very well), I suspect that I am losing quite a bit of power through
> my coax, which is cable tv 75 ohm RG-6/U and I'm running 100 watts
> from my TS-930.
>
> Before spending about $250 on really good coax, should I try anything
> else? Or spend money on an amplifier? My 930s puts out 130 watts, so
> even if I lost half the power in the coax, I would still be putting
> 65 watts to the antenna which should be enough to overcome the noise
> floor and be heard.
>
> Thanks!
>
> --- In ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>, nharvey113@... wrote:
> >
> > I have a 100 foot run of coax to my verticle, and I use a remote
> antenna
> > tuner---the MFJ- 927.? It keeps the SWR near flat through all
> frequencies.
> >
> > Neil Harvey?? AC6YO
> >
> >
> > -----Original Message-----
> > From: johnsobryan <johnsobryan@...>
> > To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> > Sent: Tue, 25 Nov 2008 4:36 pm

> > Subject: [ham-antennas] Re: Recommendations for Long Coax Run
> >
> >
> >
> >
> >
> >
> > I appreciate all the advice and if it weren't for the metal roof
> and
> > having to bury at least a portion of the cable, I'd go with ladder
> line
> > because of low loss. Perhaps I could run coax across the roof and
> > buried portion (about 100 feet) then the rest of the 260 feet could
> be
> > ladder line? I'm not sure how that would work, whether I could just
> > hook up coax to ladder line, etc but I'd be interested if anyone
> has
> > used both in the same run to the antenna.
> >
> > Thanks.
> >
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> >
> > [Non-text portions of this message have been removed]
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>
>

7104. Re: Long Coax Run - Having Trouble Making Contacts

Yahoo group: ham-antennas (2008)
Date: 2008-12-06 14:17:37 UTC
From: johnsobryan
Topic: 6923 Message: 7104

When I first moved into the house, that was my first option - just to try, I put my hamstick on a tri-mag mount and mounted on the center of the metal roof up about 25 feet. It was very noisy (maybe from electronics, etc. in the house), plus on transmit, I couldn't get the SWR anywhere below 3 even with a tuner. For some reason, any antenna on or around the house is just very noisy, so the current location in the field is at least quiet on receive since it's away from the house; it's just the transmit problem that I have to solve.
Thanks.

--- In ham-antennas@yahoogroups.com, Jim Coon <liteways@...> wrote:
>
> Can you put up a vertical on the roof? The metal roof would make a
> great ground plane
>
> johnsobryan wrote:
> >
> > I put up a new antenna this week - the Par Electronics End Fed
Dipole
> > (EF-20) which I understand is a great antenna and I have achieved
> > less than 1.5 SWR with no tuner. But to get this away from my
house
> > and metal roof, I had to run about 220 feet of coax. So it was a
> > trade-off - to get the lower noise floor, I had to move the
antenna
> > and live with a long coax run.
> >
> > But most of my contacts have been very weak (my reports 559 or so)
> > and I have lost many since my signal was below the noise floor or
> > faded. (Working 20 meters only).
> >
> > With all the great reviews on the EF-20 antenna (and I agree it
hears
> > very well), I suspect that I am losing quite a bit of power
through
> > my coax, which is cable tv 75 ohm RG-6/U and I'm running 100 watts
> > from my TS-930.
> >
> > Before spending about $250 on really good coax, should I try
anything
> > else? Or spend money on an amplifier? My 930s puts out 130 watts,
so
> > even if I lost half the power in the coax, I would still be
putting
> > 65 watts to the antenna which should be enough to overcome the

noise
> > floor and be heard.
> >
> > Thanks!
> >
> > --- In ham-antennas@yahoogroups.com
> > <mailto:ham-antennas%40yahoogroups.com>, nharvey113@ wrote:
> > >
> > > I have a 100 foot run of coax to my verticle, and I use a remote
> > antenna
> > > tuner---the MFJ- 927.? It keeps the SWR near flat through all
> > frequencies.
> > >
> > > Neil Harvey?? AC6YO
> > >
> > >
> > > -----Original Message-----
> > > From: johnsobryan <johnsobryan@>
> > > To: ham-antennas@yahoogroups.com <mailto:ham-antennas%
40yahoogroups.com>
> > > Sent: Tue, 25 Nov 2008 4:36 pm
> > > Subject: [ham-antennas] Re: Recommendations for Long Coax Run
> > >
> > >
> > >
> > >
> > >
> > >
> > > I appreciate all the advice and if it weren't for the metal roof
> > and
> > > having to bury at least a portion of the cable, I'd go with
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> > > buried portion (about 100 feet) then the rest of the 260 feet
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> > > used both in the same run to the antenna.
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> > >
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> > >
> > > [Non-text portions of this message have been removed]
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>

7105. Re: [ham-antennas] Re: Long Coax Run - Having Trouble Making Contacts

Yahoo group: ham-antennas (2008)
Date: 2008-12-06 14:36:25 UTC
From: Jim Coon
Topic: 6923 Message: 7105

If the noise is coming from the house, you might try to locate the source of the noise by turning things off and seeing there is an improvement in the noise level. If you can find the source, you can try to mitigate the problem at the source with things like ferrite beads and chokes on the cords coming out of the equipment. Look at the cord for the computer monitor and you will see a lump in it. That is ferrite choke used to keep the rf noise from the computer from going into the cord and being radiated.

johnsobryan wrote:
>
> When I first moved into the house, that was my first option - just to
> try, I put my hamstick on a tri-mag mount and mounted on the center
> of the metal roof up about 25 feet. It was very noisy (maybe from
> electronics, etc. in the house), plus on transmit, I couldn't get the
> SWR anywhere below 3 even with a tuner. For some reason, any antenna
> on or around the house is just very noisy, so the current location in
> the field is at least quiet on receive since it's away from the
> house; it's just the transmit problem that I have to solve.
> Thanks.
>
> --- In ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>, Jim Coon <liteways@...> wrote:
> >
> > Can you put up a vertical on the roof? The metal roof would make a
> > great ground plane
> >
> > johnsobryan wrote:
> > >
> > > I put up a new antenna this week - the Par Electronics End Fed
> Dipole
> > > (EF-20) which I understand is a great antenna and I have achieved
> > > less than 1.5 SWR with no tuner. But to get this away from my
> house
> > > and metal roof, I had to run about 220 feet of coax. So it was a
> > > trade-off - to get the lower noise floor, I had to move the
> antenna
> > > and live with a long coax run.
> > >
> > > But most of my contacts have been very weak (my reports 559 or so)
> > > and I have lost many since my signal was below the noise floor or
> > > faded. (Working 20 meters only).
> > >
> > > With all the great reviews on the EF-20 antenna (and I agree it

> hears
> > > very well), I suspect that I am losing quite a bit of power
> through
> > > my coax, which is cable tv 75 ohm RG-6/U and I'm running 100 watts
> > > from my TS-930.
> > >
> > > Before spending about $250 on really good coax, should I try
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> > > else? Or spend money on an amplifier? My 930s puts out 130 watts,
> so
> > > even if I lost half the power in the coax, I would still be
> putting
> > > 65 watts to the antenna which should be enough to overcome the
> noise
> > > floor and be heard.
> > >
> > > Thanks!
> > >
> > > --- In ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>
> > > <mailto:ham-antennas%40yahoogroups.com>, nharvey113@ wrote:
> > > >
> > > > I have a 100 foot run of coax to my verticle, and I use a remote
> > > antenna
> > > > tuner---the MFJ- 927.? It keeps the SWR near flat through all
> > > frequencies.
> > > >
> > > > Neil Harvey?? AC6YO
> > > >
> > > >
> > > > -----Original Message-----
> > > > From: johnsobryan <johnsobryan@>
> > > > To: ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com> <mailto:ham-antennas%
> 40yahoogroups.com>
> > > > Sent: Tue, 25 Nov 2008 4:36 pm
> > > > Subject: [ham-antennas] Re: Recommendations for Long Coax Run
> > > >
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> > > >
> > > > I appreciate all the advice and if it weren't for the metal roof
> > > and
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> > > > because of low loss. Perhaps I could run coax across the roof
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> > > > buried portion (about 100 feet) then the rest of the 260 feet
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> > > > hook up coax to ladder line, etc but I'd be interested if anyone
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> > > >
> > > > Thanks.
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> > > > [Non-text portions of this message have been removed]
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7106. Re: [ham-antennas] Re: Long Coax Run - Having Trouble Making Contacts

Yahoo group: ham-antennas (2008)
Date: 2008-12-06 15:40:36 UTC
From: Charles Hendrick
Topic: 6923 Message: 7106

It would be better to get the right coax for this run. I believe that rg213 would be a good one.
Chuck n3xib

--- On Fri, 12/5/08, johnsobryan <johnsobryan@...> wrote:

From: johnsobryan <johnsobryan@...>
Subject: [ham-antennas] Re: Long Coax Run - Having Trouble Making Contacts
To: ham-antennas@yahoogroups.com
Date: Friday, December 5, 2008, 10:19 AM

I put up a new antenna this week - the Par Electronics End Fed Dipole (EF-20) which I understand is a great antenna and I have achieved less than 1.5 SWR with no tuner. But to get this away from my house and metal roof, I had to run about 220 feet of coax. So it was a trade-off - to get the lower noise floor, I had to move the antenna and live with a long coax run.

But most of my contacts have been very weak (my reports 559 or so) and I have lost many since my signal was below the noise floor or faded. (Working 20 meters only).

With all the great reviews on the EF-20 antenna (and I agree it hears very well), I suspect that I am losing quite a bit of power through my coax, which is cable tv 75 ohm RG-6/U and I'm running 100 watts from my TS-930.

Before spending about $250 on really good coax, should I try anything else? Or spend money on an amplifier? My 930s puts out 130 watts, so even if I lost half the power in the coax, I would still be putting 65 watts to the antenna which should be enough to overcome the noise floor and be heard.

Thanks!

--- In ham-antennas@ yahoogroups. com, nharvey113@. .. wrote:
>
> I have a 100 foot run of coax to my verticle, and I use a remote antenna
> tuner---the MFJ- 927.? It keeps the SWR near flat through all frequencies.
>
> Neil Harvey?? AC6YO
>
>

> -----Original Message-----
> From: johnsobryan <johnsobryan@ ...>
> To: ham-antennas@ yahoogroups. com
> Sent: Tue, 25 Nov 2008 4:36 pm
> Subject: [ham-antennas] Re: Recommendations for Long Coax Run
>
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>
>
>
> I appreciate all the advice and if it weren't for the metal roof
and
> having to bury at least a portion of the cable, I'd go with ladder
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> because of low loss. Perhaps I could run coax across the roof and
> buried portion (about 100 feet) then the rest of the 260 feet could
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> ladder line? I'm not sure how that would work, whether I could just
> hook up coax to ladder line, etc but I'd be interested if anyone
has
> used both in the same run to the antenna.
>
> Thanks.
>
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>
> [Non-text portions of this message have been removed]
>

[Non-text portions of this message have been removed]

7107. Re: [ham-antennas] Re: Long Coax Run - Having Trouble Making Contacts

Yahoo group: ham-antennas (2008)
Date: 2008-12-06 15:42:57 UTC
From: Earl Needham
Topic: 6923 Message: 7107

johnsobryan wrote:
> I put up a new antenna this week - the Par Electronics End Fed Dipole
> (EF-20) which I understand is a great antenna and I have achieved
> less than 1.5 SWR with no tuner. But to get this away from my house
> and metal roof, I had to run about 220 feet of coax. So it was a
> trade-off - to get the lower noise floor, I had to move the antenna
> and live with a long coax run.
>
> But most of my contacts have been very weak (my reports 559 or so)
> and I have lost many since my signal was below the noise floor or
> faded. (Working 20 meters only).
>
> With all the great reviews on the EF-20 antenna (and I agree it hears
> very well), I suspect that I am losing quite a bit of power through
> my coax, which is cable tv 75 ohm RG-6/U and I'm running 100 watts
> from my TS-930.
>
> Before spending about $250 on really good coax, should I try anything
> else? Or spend money on an amplifier? My 930s puts out 130 watts, so
> even if I lost half the power in the coax, I would still be putting
> 65 watts to the antenna which should be enough to overcome the noise
> floor and be heard.
Have you tried simply putting a watt meter and a dummy load at the
far end to see what's coming out there? That's probably the absolute
first step in this scenario.

7 3
Earl

--
KD5XB -- Earl Needham
Clovis, New Mexico DM84jk
http://groups.yahoo.com/group/cw_bugs
Quoting from the Coast Guard: ZUT

7108. Re: [ham-antennas] Re: Rewinding Hustler RM-40 Mobile Antenna

Yahoo group: ham-antennas (2008)
Date: 2008-12-06 16:06:08 UTC
From: Steve Friis
Topic: 7087 Message: 7108

Yup. I did notice that. You can tell when a capacity hat has no effect.

Love my Screwdriver antenna. Works from 3.8-21.45 with no problems.
Handles all the power I would ever use mobile, and you can tell the Q is
high, on 75 meters, you have to tune every 10Khz or so.

Steve/WM5Z
Just because you say I'm paranoid doesn't mean they aren't watching us.

Earl Needham wrote:
> Steve Friis wrote:
>
>> Yup, if 14 turns will fit with 14Ga. then that is what I would do. I had
>> no idea they used something as small as 26Ga. When I had a set of
>> Hustlers, I had the set rated at 1KW, not the 400W ones. No wonder the
>> bandwidth was so broad, the coil has no 'Q'.
>>
>>
> That's right, and the big ones are worse than the small ones, due in
> large part to the metal end caps.
>
> Good Morning!
> Earl
>
>

7109. Pre Amp

Yahoo group: ham-antennas (2008)
Date: 2008-12-06 16:27:43 UTC
From: Joe
Topic: 7109 Message: 7109

I know this is a little off subject of "Ham Antennas"
but i thought who would know better than these guys.

Ok, we all know all about the TV digital conversion coming shortly. Andn
I'm way out in the boonies of Southwest Wisconsin. Closest TV station
is 60+ miles away. over rough terrain.. Well rough for there in the
mid west, 400 foot hills,, and valleys. so in no possible way are the
stations quote un quote "Line Of Sight"

So it too BIG antennas, and BIG highest gain possible pre amps to get a
decent signal.

Ok after the conversion all the local stations will be UHF freqs now.

So I'm thinking of then taking down the giant VHF antenna,, it won't be
doing anything anyway,, except open doors to TVI for the pre amp true?

Ok this is a older pre amp coax output 75 Ohm coax

the inputs are seperate VHF UHF, and both are 300 Ohm twin lead.

Ok, whats everyone suggest to minimize TVI, cant afford to go out and
buy a just UHF amp, so was thinking of terminating the VHF input.

Thinking something as simple as a 300 ohm carbon resistor across the
terminals? Dead short may be a problem? don't know, I know they make
75 ohm loads, but this is 300, whats everyone think is the best to do
to make the best chance of reducing TVI?

Joer WB9SBD

7110. Re: [ham-antennas] Re: Long Coax Run - Having Trouble Making Contacts

Yahoo group: ham-antennas (2008)
Date: 2008-12-06 17:09:24 UTC
From: vaclav sal
Topic: 6923 Message: 7110

I second that, especially when the maker of the antenna "advertises" using non-descriptive term "common coax" for feed line!
Little misleading to say at least.
73 AA7EJ

--- On Sat, 12/6/08, Charles Hendrick <n3xib1@...m> wrote:

From: Charles Hendrick <n3xib1@...>
Subject: Re: [ham-antennas] Re: Long Coax Run - Having Trouble Making Contacts
To: ham-antennas@yahoogroups.com
Date: Saturday, December 6, 2008, 7:40 AM

It would be better to get the right coax for this run. I believe that rg213 would be a good one.
Chuck n3xib

--- On Fri, 12/5/08, johnsobryan <johnsobryan@ yahoo.com> wrote:

From: johnsobryan <johnsobryan@ yahoo.com>
Subject: [ham-antennas] Re: Long Coax Run - Having Trouble Making Contacts
To: ham-antennas@ yahoogroups. com
Date: Friday, December 5, 2008, 10:19 AM

I put up a new antenna this week - the Par Electronics End Fed Dipole (EF-20) which I understand is a great antenna and I have achieved less than 1.5 SWR with no tuner. But to get this away from my house and metal roof, I had to run about 220 feet of coax. So it was a trade-off - to get the lower noise floor, I had to move the antenna and live with a long coax run.

But most of my contacts have been very weak (my reports 559 or so) and I have lost many since my signal was below the noise floor or faded. (Working 20 meters only).

With all the great reviews on the EF-20 antenna (and I agree it hears very well), I suspect that I am losing quite a bit of power through my coax, which is cable tv 75 ohm RG-6/U and I'm running 100 watts from my TS-930.

Before spending about $250 on really good coax, should I try anything else? Or spend money on an amplifier? My 930s puts out 130 watts, so even if I lost half the power in the coax, I would still be putting 65 watts to the antenna which should be enough to overcome the noise floor and be heard.

Thanks!

--- In ham-antennas@ yahoogroups. com, nharvey113@. .. wrote:
>
> I have a 100 foot run of coax to my verticle, and I use a remote
antenna
> tuner---the MFJ- 927.? It keeps the SWR near flat through all
frequencies.
>
> Neil Harvey?? AC6YO
>
>
> -----Original Message-----
> From: johnsobryan <johnsobryan@ ...>
> To: ham-antennas@ yahoogroups. com
> Sent: Tue, 25 Nov 2008 4:36 pm
> Subject: [ham-antennas] Re: Recommendations for Long Coax Run
>
>
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>
>
>
> I appreciate all the advice and if it weren't for the metal roof
and
> having to bury at least a portion of the cable, I'd go with ladder
line
> because of low loss. Perhaps I could run coax across the roof and
> buried portion (about 100 feet) then the rest of the 260 feet could
be
> ladder line? I'm not sure how that would work, whether I could just
> hook up coax to ladder line, etc but I'd be interested if anyone
has
> used both in the same run to the antenna.
>
> Thanks.
>
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> [Non-text portions of this message have been removed]
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[Non-text portions of this message have been removed]

7111. Re: Rewinding Hustler RM-40 Mobile Antenna

Yahoo group: ham-antennas (2008)
Date: 2008-12-06 17:36:27 UTC
From: Scott Laughlin
Topic: 7087 Message: 7111

Steve,

Have you compared your screwdriver with your G5RV? I'm interested in knowing what you think.

73 de Scott/n7net

--- In ham-antennas@yahoogroups.com, Steve Friis <wm5z@...> wrote:
>
> Yup. I did notice that. You can tell when a capacity hat has no effect.
>
> Love my Screwdriver antenna. Works from 3.8-21.45 with no problems.
> Handles all the power I would ever use mobile, and you can tell the Q is
> high, on 75 meters, you have to tune every 10Khz or so.
>
> Steve/WM5Z
> Just because you say I'm paranoid doesn't mean they aren't watching us.
>
>
>
> Earl Needham wrote:
> > Steve Friis wrote:
> >
> >> Yup, if 14 turns will fit with 14Ga. then that is what I would do. I had
> >> no idea they used something as small as 26Ga. When I had a set of
> >> Hustlers, I had the set rated at 1KW, not the 400W ones. No wonder the
> >> bandwidth was so broad, the coil has no 'Q'.
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> >>
> > That's right, and the big ones are worse than the small ones, due in
> > large part to the metal end caps.
> >
> > Good Morning!
> > Earl
> >
> >
>

7112. Re: [ham-antennas] Pre Amp

Yahoo group: ham-antennas (2008)
Date: 2008-12-06 19:32:51 UTC
From: Andy
Topic: 7109 Message: 7112

Just a quick observation or two...

> Ok after the conversion all the local stations will be UHF freqs now.

Are you sure your TV stations will be UHF after the conversion? Were they UHF originally? My understanding was that VHF TV stations, which are *temporarily* using UHF channels right now for their (experimental) DTV signals, will revert to their original VHF channels in February and permanently relinquishing their temporary UHF assignments. I thought the idea was to free up portions of the UHF spectrum for other use.

Anyway, my guess (and mind you it's not much more than a guess) is that a 300 ohm resistor should work OK for the VHF input, and a short is probably almost as good. A short would not be nice on an unused output, but this is an input, and it's not like it has any DC voltage across it. I think the chances are small of it going into an oscillation or something with the input shorted.

My suggestion: try a 300 ohm resistor with short leads, try a short, try an open, and see if it makes any difference. My guess: probably not much if any, as long as you don't go connecting wires (antennas) to those terminals.

Grounding both inputs to the preamp's case might improve (reduce) common-mode RF ingress. If concerned about the shorts, a pair of 150 ohm resistors might be used instead.

It's probably way overkill to use a 75 ohm F terminator with a 75:300 ohm balun, and anyway it would probably bring more RF into the preamp.

There's a few good RFI forums you could also try, including Contesting.com and QTH.net.

Andy

7113. Re: [ham-antennas] Pre Amp

Yahoo group: ham-antennas (2008)
Date: 2008-12-06 19:57:51 UTC
From: Jim Coon
Topic: 7109 Message: 7113

I thought they were not changing frequency, they were just changing to digital transmission instead of analog. sort of like hams using digital

Joe wrote:
>
> I know this is a little off subject of "Ham Antennas"
> but i thought who would know better than these guys.
>
> Ok, we all know all about the TV digital conversion coming shortly. Andn
> I'm way out in the boonies of Southwest Wisconsin. Closest TV station
> is 60+ miles away. over rough terrain.. Well rough for there in the
> mid west, 400 foot hills,, and valleys. so in no possible way are the
> stations quote un quote "Line Of Sight"
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> So it too BIG antennas, and BIG highest gain possible pre amps to get a
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> Ok after the conversion all the local stations will be UHF freqs now.
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> So I'm thinking of then taking down the giant VHF antenna,, it won't be
> doing anything anyway,, except open doors to TVI for the pre amp true?
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> Ok this is a older pre amp coax output 75 Ohm coax
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> the inputs are seperate VHF UHF, and both are 300 Ohm twin lead.
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> Ok, whats everyone suggest to minimize TVI, cant afford to go out and
> buy a just UHF amp, so was thinking of terminating the VHF input.
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> Thinking something as simple as a 300 ohm carbon resistor across the
> terminals? Dead short may be a problem? don't know, I know they make
> 75 ohm loads, but this is 300, whats everyone think is the best to do
> to make the best chance of reducing TVI?
>
> Joer WB9SBD
>
>

7114. Re: [ham-antennas] Re: Long Coax Run - Having Trouble Making Contacts

Yahoo group: ham-antennas (2008)
Date: 2008-12-06 20:27:27 UTC
From: Steve Friis
Topic: 6923 Message: 7114

Well, anyone using that antenna and expecting the same results as a full sized dipole is only fooling themselves. It is sort of like putting a rubber-duckie antenna on a walkie-talkie. It works, just not optimally.

So, saying using 1/2" coax over 1/4" isn't where I would be concentrating my efforts. I really believe you should look at moving the antenna back closer to the house, finding the noise source and fixing that.

As for your transmit signal, you are correct when you say that there isn't much difference from 130 watts to 60 watts. Even though my rig is capable of 100 watts, I rarely use more than 50 watts. When I need more power, I use the amp, which 50 watts drives it at 1200 watts. I could drive it with 100 watts, and get 1500, but I go for the cleaner/greener signal.

Steve/WM5Z
Just because you say I'm paranoid doesn't mean they aren't watching us.

vaclav sal wrote:
> I second that, especially when the maker of the antenna "advertises" using non-descriptive term "common coax" for feed line!
> Little misleading to say at least.
> 73 AA7EJ
>
>
> --- On Sat, 12/6/08, Charles Hendrick <n3xib1@...> wrote:
>
> From: Charles Hendrick <n3xib1@...>
> Subject: Re: [ham-antennas] Re: Long Coax Run - Having Trouble Making Contacts
> To: ham-antennas@yahoogroups.com
> Date: Saturday, December 6, 2008, 7:40 AM
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>
>
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>
> It would be better to get the right coax for this run. I believe that rg213 would be a good one.
> Chuck n3xib
>
> --- On Fri, 12/5/08, johnsobryan <johnsobryan@ yahoo.com> wrote:
>
> From: johnsobryan <johnsobryan@ yahoo.com>
> Subject: [ham-antennas] Re: Long Coax Run - Having Trouble Making Contacts

> To: ham-antennas@ yahoogroups. com
> Date: Friday, December 5, 2008, 10:19 AM
>
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> and metal roof, I had to run about 220 feet of coax. So it was a
> trade-off - to get the lower noise floor, I had to move the antenna
> and live with a long coax run.
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> But most of my contacts have been very weak (my reports 559 or so)
> and I have lost many since my signal was below the noise floor or
> faded. (Working 20 meters only).
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> With all the great reviews on the EF-20 antenna (and I agree it hears
> very well), I suspect that I am losing quite a bit of power through
> my coax, which is cable tv 75 ohm RG-6/U and I'm running 100 watts
> from my TS-930.
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> Before spending about $250 on really good coax, should I try anything
> else? Or spend money on an amplifier? My 930s puts out 130 watts, so
> even if I lost half the power in the coax, I would still be putting
> 65 watts to the antenna which should be enough to overcome the noise
> floor and be heard.
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> Thanks!
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> --- In ham-antennas@ yahoogroups. com, nharvey113@. .. wrote:
>
>> I have a 100 foot run of coax to my verticle, and I use a remote
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> antenna
>
>> tuner---the MFJ- 927.? It keeps the SWR near flat through all
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> frequencies.
>
>> Neil Harvey?? AC6YO
>>
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>> -----Original Message-----
>> From: johnsobryan <johnsobryan@ ...>
>> To: ham-antennas@ yahoogroups. com
>> Sent: Tue, 25 Nov 2008 4:36 pm
>> Subject: [ham-antennas] Re: Recommendations for Long Coax Run
>>
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>
>> having to bury at least a portion of the cable, I'd go with ladder
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> line
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>> because of low loss. Perhaps I could run coax across the roof and
>> buried portion (about 100 feet) then the rest of the 260 feet could
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>> hook up coax to ladder line, etc but I'd be interested if anyone
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>> used both in the same run to the antenna.
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> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 1446 members (as of 9/26/08, and attachments are NOT permitted.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
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7115. Re: [ham-antennas] Pre Amp

Yahoo group: ham-antennas (2008)
Date: 2008-12-06 20:53:23 UTC
From: Joe
Topic: 7109 Message: 7115

No, I'd wager 90% or more will be moving.

Any that are on ch 7 or less will absolutely be gone to UHF, and 8 thru
13 most will also be moving, some may stay but not many . easily 90%
will be UHF,,

Joe

Jim Coon wrote:

>I thought they were not changing frequency, they were just changing to
>digital transmission instead of analog. sort of like hams using digital
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>Joe wrote:
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>>I know this is a little off subject of "Ham Antennas"
>>but i thought who would know better than these guys.
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>>Ok, we all know all about the TV digital conversion coming shortly. Andn
>>I'm way out in the boonies of Southwest Wisconsin. Closest TV station
>>is 60+ miles away. over rough terrain.. Well rough for there in the
>>mid west, 400 foot hills,, and valleys. so in no possible way are the
>>stations quote un quote "Line Of Sight"
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>>So it too BIG antennas, and BIG highest gain possible pre amps to get a
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>>Ok after the conversion all the local stations will be UHF freqs now.
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>>So I'm thinking of then taking down the giant VHF antenna,, it won't be
>>doing anything anyway,, except open doors to TVI for the pre amp true?
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>>the inputs are seperate VHF UHF, and both are 300 Ohm twin lead.
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>>Ok, whats everyone suggest to minimize TVI, cant afford to go out and
>>buy a just UHF amp, so was thinking of terminating the VHF input.
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>>Thinking something as simple as a 300 ohm carbon resistor across the
>>terminals? Dead short may be a problem? don't know, I know they make
>>75 ohm loads, but this is 300, whats everyone think is the best to do
>>to make the best chance of reducing TVI?
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>>Joer WB9SBD

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7116. Re: [ham-antennas] Re: Rewinding Hustler RM-40 Mobile Antenna

Yahoo group: ham-antennas (2008)
Date: 2008-12-06 20:59:24 UTC
From: Steve Friis
Topic: 7087 Message: 7116

The G5RV doesn't trail well ;-) , so I use the Screwdriver antenna while traveling. While parked, we set up the G5RV, and it does quite well. I almost always check into the roadrunner net (3939Khz 0100Z) using the G5RV and people say I am as strong as when I am at home, which I have a Fan Dipole array at.

The Dipole Array is set up as follows;
Wire 1-----1.850 center/3900 center
Wire 2-----3.600 center/7.150 center
Wire 3-----5.320 center/10.115 center

Notice the double 80 meter tuned set. Gives me complete coverage from 3.5 through 4.0 Mhz.

My traps are all home made, and match within 2-3 Khz. I hand selected the door knob capacitors, and they are all NPO types rated at 7.5 KV and rated at 5 amps RF at 100 Mhz. Expensive, but should last a lifetime. The coils are 1/4" copper air conditioner water pipe. Nice high Q of better than 150.

My coax on both the home dipole array and the G5RV is LMR-400. The ladder line on the G5RV is the open window type rated at 450 ohms Z with #14 copperweld conductors.

For 20 and above, I use an AV620 vertical. Now there is a wet noodle antenna. One for criticizing. It is garbage. Someday I plan on adding another set of traps on each of the dipoles above for 10, 15 and 20. Might even ad 12 and 17 too. I plan on dumping the AV620. This, of coarse, if I live long enough.

Steve/WM5Z
Just because you say I'm paranoid doesn't mean they aren't watching us.

Scott Laughlin wrote:
> Steve,
>
> Have you compared your screwdriver with your G5RV? I'm interested in
> knowing what you think.
>
> 73 de Scott/n7net
>
> --- In ham-antennas@yahoogroups.com, Steve Friis <wm5z@...> wrote:
>
>> Yup. I did notice that. You can tell when a capacity hat has no
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> effect.
>

>> Love my Screwdriver antenna. Works from 3.8-21.45 with no problems.
>> Handles all the power I would ever use mobile, and you can tell the
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>> high, on 75 meters, you have to tune every 10Khz or so.
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>> Steve/WM5Z
>> Just because you say I'm paranoid doesn't mean they aren't watching
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>> Earl Needham wrote:
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>>> Steve Friis wrote:
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>>>> Yup, if 14 turns will fit with 14Ga. then that is what I would
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>>>> Hustlers, I had the set rated at 1KW, not the 400W ones. No
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7117. Re: [ham-antennas] Pre Amp

Yahoo group: ham-antennas (2008)
Date: 2008-12-06 21:28:50 UTC
From: Chuck Schultz
Topic: 7109 Message: 7117

I wonder if this may differ by regions. I understood that there would be no more UHF and as yet no station has mentioned a move. All but one of the UHF stations are now btoadcasting in digital as well as analog. We had a compliance test run last Thursday by our Fox 4 and it ran on channel 4 . I suppose time will tell. Chuck Wq5B
----- Original Message -----
From: Joe
To: ham-antennas@yahoogroups.com
Sent: Saturday, December 06, 2008 2:53 PM
Subject: Re: [ham-antennas] Pre Amp

No, I'd wager 90% or more will be moving.

Any that are on ch 7 or less will absolutely be gone to UHF, and 8 thru
13 most will also be moving, some may stay but not many . easily 90%
will be UHF,,

Joe

Jim Coon wrote:

>I thought they were not changing frequency, they were just changing to
>digital transmission instead of analog. sort of like hams using digital
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>Joe wrote:
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>>I know this is a little off subject of "Ham Antennas"
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>>Ok, we all know all about the TV digital conversion coming shortly. Andn
>>I'm way out in the boonies of Southwest Wisconsin. Closest TV station
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>>the inputs are seperate VHF UHF, and both are 300 Ohm twin lead.

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7118. Re: Rewinding Hustler RM-40 Mobile Antenna

Yahoo group: ham-antennas (2008)
Date: 2008-12-06 21:29:49 UTC
From: visualco2
Topic: 7087 Message: 7118

--- In ham-antennas@yahoogroups.com, Earl Needham <needhame1@...> wrote:
>
> Steve Friis wrote:
> > Yup, if 14 turns will fit with 14Ga. then that is what I would do.
I had
> > no idea they used something as small as 26Ga. When I had a set of
> > Hustlers, I had the set rated at 1KW, not the 400W ones. No wonder
the
> > bandwidth was so broad, the coil has no 'Q'.
> >
> That's right, and the big ones are worse than the small ones, due in
> large part to the metal end caps.
>
> Good Morning!
> Earl
> Thanks Earl, I doubt I'll be able to fit that thickness wire with so
many turns . I found the problem this morning, it was the ferrule. I
cleaned it up and now my SWR is 1/1:5. I can live with that.
Has anyone tried home brewing a capacity hat for the hustler?.
Nothing fancy . My thought was to sandwich between two flat washers
four type clover style wires and setscrew that Assembly above the coil?.
Thanks again, N1UVW
> --
> KD5XB -- Earl Needham
> Clovis, New Mexico DM84jk
> http://groups.yahoo.com/group/cw_bugs
> Quoting from the Coast Guard: ZUT
>

7119. Re: [ham-antennas] Pre Amp

Yahoo group: ham-antennas (2008)
Date: 2008-12-07 01:56:39 UTC
From: Andy
Topic: 7109 Message: 7119

I'm resending this again because it doesn't seem to have made it out.
I think Yahoogroups is having problems again. Sorry if this is a duplicate.

Just a quick observation or two...

> Ok after the conversion all the local stations will be UHF freqs now.

Are you sure your TV stations will be UHF after the conversion? Were they UHF originally? My understanding was that VHF TV stations, which are *temporarily* using UHF channels right now for their (experimental) DTV signals, will revert to their original VHF channels in February and permanently relinquishing their temporary UHF assignments. I thought the idea was to free up portions of the UHF spectrum for other use.

Anyway, my guess (and mind you it's not much more than a guess) is that a 300 ohm resistor should work OK for the VHF input, and a short is probably almost as good. A short would not be nice on an unused output, but this is an input, and it's not like it has any DC voltage across it. I think the chances are small of it going into an oscillation or something with the input shorted.

My suggestion: try a 300 ohm resistor with short leads, try a short, try an open, and see if it makes any difference. My guess: probably not much if any, as long as you don't go connecting wires (antennas) to those terminals.

Grounding both inputs to the preamp's case might improve (reduce) common-mode RF ingress. If concerned about the shorts, a pair of 150 ohm resistors might be used instead.

It's probably way overkill to use a 75 ohm F terminator with a 75:300 ohm balun, and anyway it would probably bring more RF into the preamp.

There's a few good RFI forums you could also try, including Contesting.com and QTH.net.

Andy

7120. Re: [ham-antennas] Pre Amp

Yahoo group: ham-antennas (2008)
Date: 2008-12-07 03:32:42 UTC
From: Leonard K. Pennock
Topic: 7109 Message: 7120

I wouldn't use a carbon resistor. We used those to make white noise generators. Film resistor would be better for the extra couple of cents.

Joe wrote:

>
> Thinking something as simple as a 300 ohm carbon resistor across the
> terminals? Dead short may be a problem? don't know, I know they make
> 75 ohm loads, but this is 300, whats everyone think is the best to do
> to make the best chance of reducing TVI?
>
> Joer WB9SBD

--
Leonard K. Pennock
AD7AS

Those who walk bravely through life, unafraid of loss or failure,
find that they very rarely lose or fail.

7121. frequency asssignments

Yahoo group: ham-antennas (2008)
Date: 2008-12-07 12:56:58 UTC
From: Jim Coon
Topic: 7109 Message: 7121

Here are some interesting websites

http://www.tvtower.com/Commercial%20Television%20Frequencies.html

http://en.wikipedia.org/wiki/North_American_broadcast_television_frequencies

http://www.csgnetwork.com/tvfreqtable.html

7122. Re: [ham-antennas] Pre Amp

Yahoo group: ham-antennas (2008)
Date: 2008-12-07 12:58:54 UTC
From: Jim Coon
Topic: 7109 Message: 7122

I dont think you are correct. The bbottom line is there is no need to
get a new antenna to receive the new digital channels. The old one
will work just fine

http://www.dslreports.com/forum/r20005966-UHFVHF-and-digital-TV-transition-and-frequencies

http://electronics.howstuffworks.com/dtv1.htm

http://www.digitalconnection.com/FAQ/HDTV_10.asp

Joe wrote:
>
> No, I'd wager 90% or more will be moving.
>
> Any that are on ch 7 or less will absolutely be gone to UHF, and 8 thru
> 13 most will also be moving, some may stay but not many . easily 90%
> will be UHF,,
>
> Joe
>
> Jim Coon wrote:
>
> >I thought they were not changing frequency, they were just changing to
> >digital transmission instead of analog. sort of like hams using digital
> >
> >Joe wrote:
> >
> >
> >>I know this is a little off subject of "Ham Antennas"
> >>but i thought who would know better than these guys.
> >>
> >>Ok, we all know all about the TV digital conversion coming shortly. Andn
> >>I'm way out in the boonies of Southwest Wisconsin. Closest TV station
> >>is 60+ miles away. over rough terrain.. Well rough for there in the
> >>mid west, 400 foot hills,, and valleys. so in no possible way are the
> >>stations quote un quote "Line Of Sight"
> >>
> >>So it too BIG antennas, and BIG highest gain possible pre amps to get a
> >>decent signal.
> >>
> >>Ok after the conversion all the local stations will be UHF freqs now.
> >>
> >>So I'm thinking of then taking down the giant VHF antenna,, it won't be
> >>doing anything anyway,, except open doors to TVI for the pre amp true?
> >>
> >>Ok this is a older pre amp coax output 75 Ohm coax

> >>
> >>the inputs are seperate VHF UHF, and both are 300 Ohm twin lead.
> >>
> >>Ok, whats everyone suggest to minimize TVI, cant afford to go out and
> >>buy a just UHF amp, so was thinking of terminating the VHF input.
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> >>Joer WB9SBD
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> >HAM ANTENNAS Anything and everything, tell us or ask questions.
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> <mailto:ham-antennas%40yahoogroups.com>
> >Subscribe: ham-antennas-subscribe@yahoogroups.com
> <mailto:ham-antennas-subscribe%40yahoogroups.com>
> >Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> <mailto:ham-antennas-unsubscribe%40yahoogroups.com>
> >List owner: ham-antennas-owner@yahoogroups.com
> <mailto:ham-antennas-owner%40yahoogroups.com>
> >Yahoo! Groups Links
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7123. Re: [ham-antennas] Pre Amp

Yahoo group: ham-antennas (2008)
Date: 2008-12-07 19:27:01 UTC
From: Chris
Topic: 7109 Message: 7123

The answer is yes, both VHF and UHF will be used.

Check here for your local allocations and plan.

http://www.fcc.gov/fcc-bin/audio/tvq.html is a search engine

http://www.fcc.gov/oet/dtv/start/dtv2-69all.txt is a plain text list

Lot of information on google about this, lot of misconceptions.

Until the transition, a lot of the DTV transmissions are on temporary
frequencies and also operating at vastly reduced power for testing.
After the transition date, they will increase to full broadcast power.

On Sat, Dec 6, 2008 at 4:28 PM, Chuck Schultz <wq5b@...> wrote:
> I wonder if this may differ by regions. I understood that there would be no
> more UHF and as yet no station has mentioned a move. All but one of the UHF
> stations are now btoadcasting in digital as well as analog. We had a
> compliance test run last Thursday by our Fox 4 and it ran on channel 4 . I
> suppose time will tell. Chuck Wq5B
>
> ----- Original Message -----
> From: Joe
> To: ham-antennas@yahoogroups.com
> Sent: Saturday, December 06, 2008 2:53 PM
> Subject: Re: [ham-antennas] Pre Amp
>
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> Any that are on ch 7 or less will absolutely be gone to UHF, and 8 thru
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7124. Re: Pre Amp

Yahoo group: ham-antennas (2008)
Date: 2008-12-07 19:28:16 UTC
From: k9arm
Topic: 7109 Message: 7124

Joe, it looks like you are in between the Madison and LaCrosse TV markets. I think you are looking at the Madison stations. If my info is correct, all the stations in Madison EXCEPT the NBC are on or are moving to UHF. The NBC digital assignment is on channel 11, so you'll be needing the VHF side of the antenna for that one. I can research it more if you need, let me know. Most of the Madison TV stations come from a common candelabra tower on the west side of Madison.

Do you receive the analog stations OK now?

BTW, there are a few "low band", channel 2-6 assigned to digital channels across the country, for instance there is a channel 5 in the Toledo market.

Andy K9ARM
k9arm@...

--- In ham-antennas@yahoogroups.com, Joe <nss@...> wrote:
>
> I know this is a little off subject of "Ham Antennas"
> but i thought who would know better than these guys.
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>
> Ok, we all know all about the TV digital conversion coming
shortly. Andn
> I'm way out in the boonies of Southwest Wisconsin. Closest TV
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> So it too BIG antennas, and BIG highest gain possible pre amps to
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> So I'm thinking of then taking down the giant VHF antenna,, it
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> Thinking something as simple as a 300 ohm carbon resistor across
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make
> 75 ohm loads, but this is 300, whats everyone think is the best
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> to make the best chance of reducing TVI?
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> Joer WB9SBD
>

7125. Re: [ham-antennas] Pre Amp

Yahoo group: ham-antennas (2008)
Date: 2008-12-07 19:47:11 UTC
From: Joe
Topic: 7109 Message: 7125

No thats not the whole reason for this message,

I do have awesome antennas for BOTH VHF and UHF, but being on the fringe, they are the highst gain posssible made commercial antennas, nOT RADIO SHACK STUFF, as well as with the pre amp. Granted it's Old school pre amp, and honestly i do not remember it's brand, but it was a commercial unit. not a consumer rig, Nice all steel/copper components etc. no plastic,, etc. and gain, on both bands were, 30 to 35 DB or somethng like that! With FM Traps, level converters where if One sig was huge compared to the rest so the amp wouldn't get swamped you could notch it back to share the load with the rest of the signals. kinda like sattellite work.. on the oscars, One huge sig steals all the power!, But this wasn't a problem anyway, out here there are no strong signals.

What I was thinking was since the VHF part of the amp is not going to be doing anything shortly, except leaving a door open for stray RF that is closer in freq to it's operating freqs to enter the system, I was thinking of simply more or less shutting that side of the amp down.. and looking fior ideas as to the best way to do so.

Why allow sigs that are close to the input freq even a chance to enter the system,
Thinking was I will have less chance of TVI if the lower active amplifying freq is above 470+ MHz than at 54 MHz.
Hey 5 watts on 2 meters causes TVI out here!

Out here sigs stink period, The antennas,,,

On VHF cut channel yagis, 6 elements on channel 3, Picture 6 ele monobander on 6 meters,, Not a lot of difference. It's a giant antenna, (and will be converted to 6 meter use when the change over happens) On uhf it's a 64 element collinear, again GIANT antenna. And everyone out here has learned height is NOT everything,, It is soo funny where you see antennas out here,, You have two games,

If you have one of the hills nearby that you own,, or can make arrangements with the landowner to share the signal you put up your own tower on top of the hill, and have your own mnini cable TV system, with pre amps on top, distributution amps along the run for your run will be thousands of feet.

of you do what we all call sweetptotting. And out here you see this more than any other type of installation.

You will see the seldom TV system of rohn 25 up past 250 feet holding TV antennas, Guyed with radio shack guy wire too! Or hey I just love the

80 foot tall rohn 6 with radio shack guy wires, no clamps just twisted wires.. Or the often seen 60 to 80 or even 100 foot rohn 20 or 25 that is totally self supoporting. NO GUYS!, and these things have been up for decades!

Anyway, most here go the sweetspot route, Just like you do with your HT on 2 meters in a marginal place you move slightly around and you'll find this one sweet spot the repeater is full scale.

People do this all the time out here with their TV antennas. It is soo funny, One neighbor you'll see the antenna 100 feet in the air on a tower,

And next door you'll see a 10 foot mast hoseclamped to a "T" post out in the side yard with the antenna 10 feet off the ground. And the guy with the antenna at 10 feet has a better signal!

If you happen to get even after a giant antenna and pre amp a 1000mv sig, youd be screaming praise to the RF gods out here.

So the main question here was, shortly the VHF side will be dead, and without having to spend hundreds if not thousands to replace that commercial amp with a UHF only version, I just was asking what everyones thoughts as to what would be the best route to take to minimize TVI.

since obviously we have little sigs to work with herem, and everyone is running High Gain, it takes little to kill the TV sig,

I remember when I first moved into this area, I lived in a small town of maybe 1000 people, fairly spread out,, the smallest lot ws like a full acre, but from my third floor apartment., Running a Drake TR-4 Barefoot, into a Johnson KW matchbox unto open line that fed a wire loop that excircled the roofline of the apartment building,. It got out pretty good, make thousands of contacts, and was a hidden antenna to boot. and glad for that,, for if they towns folk knew it was me their would be a re enactment of the Frankenstein monster movie with the village people coming with pitchforks.

If i was on,, no one watched TV,, I could at night, look out that beed room window with binoculars, and see homes on the other side of the valley, wrong side to boot I would be between them and the TV station so their antnnas and pre amps and qll were looking right at me.

These people were easily a mile away across the valley

Being a nasty teenager I laughed bout it,,

Tune up on 15 or 10 meters, and go " Hellloooo" and watch their TV's flash all the way over there. Yeah i know I was mean. And I was BIG into contestings then too, so some weekends no one watched TV for the whole weekend. It's that is how weak the sigs are. out here

I played,, On 15 meters one day, Tv set to ch 3.

with as little as 1/2 watt traces of herring bone show, 1 watt watchable but full herringbone. 5 watts, BLACK PICTURE TUBE! And I ran 200 watts from that old Drake! Then we had TVI filters Lowpass on the rigs and hugh pass on the antennas, toroids on all the power leads, every trick in the book it was just plain fundamental overload. period.

I'm more or less all by myself now, What neighbors I have a re vacation homes, so they eitherr do not watch TV or are on cable and or the birds, and no problems there. So i'm mainly concerned now with my own system. And thats where we stand. not onto the comment below about the existing antennas and the conversion,

If anyone belives the BS the government has been spitting out with this Better TV and all that, wait till Feb happens,, there will be congressmen asking for the heads of FCC officials or whoever pushed this through. Honestly.

I've been dealing with this already for at least 6 months out here. lI've set up at least 100+ cnversion setups, and less than 10% get away with the existing systems. And some can not at all, and had to resort going to Dish or direct TV, for they while now can watch their local channels, with the digital, nothing. the thing is,, out here people are accustomed to watching a semi snowy and or grainy picture. it's what they grew up with, it's the way it is, And are perfectly happy with it.

But this digital stuff any signal that is not perfect analog wise, forget it it will not decode it, and you get nothing! PERIOD! People out in this part of the world are PISSED!

If they made the change klike they did with B&W to Color, Fine no problem,, if there was a difference it was the tiny bit more snowy,, but this digital crap, if it would allow them to get a snowy digital,, theyd be happy, but the thing of perfect or nothing, 90% out here gets nothing!

And the links below are so out of date it's not even funny.

A fellow ham is the eengineer for CH 15 in madison and the numbers quoted on thisee pages are not even close, for channel assignment or transmitter power,,, especially power he know they are running at least 15 db higher power than what is on those pages and not even on the channel they say now.15 is already UHF analog 15 and they are moving to 19digital,, 19 an analog in lacrosse is going to 14 when it goes digital,, it's soo messed up,

here is Madisons summary,
3 to 50
15 to 19
21 to 20
27 to 26
57 to 32

L ACROOSE IS,
13 TO 39
31 TO 30
8 TO 41
25 TO 17
18 TO 15
19 TO 14

ANYONE SEE ANY LOGIC HERE,, NOT US.

Anyway after hundreds and hundreds installed, if you do not have perfevt UHF picutures NOW come feb you won't be seeing any at all.

And it's not going to get better,

Who cares about free TV? Apparently not the FCC.

Yesterday while the country was focused on the presidential election, the Federal Communications Commission voted to allow manufacturers to build portable wireless devices that will use television frequencies to operate. If you're one of the 70,000 viewers in southern Wisconsin that use an antenna to watch television, your free reception is in danger.

Companies like Microsoft and Google have been pushing the use of what have been called "white spaces" between TV channels to allow new wireless devices to operate. While this sounds good in theory, in tests they haven't worked out and often will fire up on a channel that an existing TV station uses for broadcasting. If you're watching that channel and your neighbor turns on his new wireless internet box, there's a chance your TV set will go to a blank screen with a "no signal" warning.

The FCC decided to not allow its usual public comment period on this proposal but rushed it through under cover of the election. Speaking for myself only (and not NBC15) I think this is a reckless abuse of power that was done with a predetermined outcome in mind and no thought of the unintended consequences. Not only will this badly affect TV reception, but will also affect wireless microphones in theaters, churches, schools and many other venues.

The Wisconsin Broadcasters Association sent out a press release today listing a number of organizations that have joined broadcasters in protest: state and local emergency management and AMBER Alert centers, labor unions, minority organizations, pro sports leagues, religious leaders and dozens of members of Congress among others. If free television is important to you, contact your congressional representatives and let them know that this was a bad decision.

(I'm Tom Weeden, advocate for free over-the-air television, and I approved this message.)

Here is a recent survey,,,
"Completely Unready Households"

We just received some information from the A.C. Nielsen audience measurement people today which estimates how many households haven't begun making the transition to digital television. It's not exactly current, but the picture it paints is a little troubling.

Nielsen attempted to measure how many viewers in the Madison market do not have cable or satellite, and have not either installed a digital converter box or bought a new digital TV.

372,990 - Total number of TV households in the Madison market
69,446 - Number of TV households which only use an antenna
19,092 - Number of antenna-only households which have at least one set converted to digital TV
50,354 - Number of antenna-only households still watching ONLY analog TV

As of May, fifty thousand southern Wisconsin homes (what Nielsen is calling "Completely Unready Households") still needed to take some action, and we now have less than 70 days until their reception goes away if they don't. Yikes.

some tests were ran with a few test cities, that were willing to shut off their analog sigs,

right now at least 15% of the population will loose their TV that they presently watch at no fault of their own.

Does the FCC care no,

they are lreaduy selling off the freqs even while rf is still spewing through them.

anyway wow this got way off subject.

Jim Coon wrote:

>I dont think you are correct. The bbottom line is there is no need to
>get a new antenna to receive the new digital channels. The old one
>will work just fine
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>http://www.dslreports.com/forum/r20005966-UHFVHF-and-digital-TV-transition-and-frequencie
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>><mailto:ham-antennas%40yahoogroups.com>
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>><mailto:ham-antennas-unsubscribe%40yahoogroups.com>
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>>>List owner: ham-antennas-owner@yahoogroups.com
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>><mailto:ham-antennas-owner%40yahoogroups.com>
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>>>Yahoo! Groups Links
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7126. Re: [ham-antennas] Re: Pre Amp

Yahoo group: ham-antennas (2008)
Date: 2008-12-07 20:02:52 UTC
From: Joe
Topic: 7109 Message: 7126

Yeah Ch 15 is the only one that will be changing into VHF land so I guess i;'m stuck afterall,

There are two main towers,

And matter of fact, ch 15 and 57 are using the very same antenna, I said antenna not tower.. Thisng is this is how picky this digital crap isl. 57 rock solid, never a fade never a pix, never a lock up solid sig, yet 15 no sig at all, well maybe a frame or two every hour, (passing airplane?eteor burst?) anyway, according to tom the only difference is 15 is about 2 db less power. thats all.

2 db on a analog sig would hardly be even noticeable, but on this digital crap, it not there.

what a mistake. unless they got all the bugs out of it they should never force it on the public.

especially now, with thias economy,, like in the 30's radios, and movies took peoples minds off the economy troubles, come feb the people with the least chance of improving their signals are going to be the one hit the hardest with no entertainment. to escape into.

k9arm wrote:

>Joe, it looks like you are in between the Madison and LaCrosse TV
>markets. I think you are looking at the Madison stations. If my info
>is correct, all the stations in Madison EXCEPT the NBC are on or are
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>Do you receive the analog stations OK now?
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>BTW, there are a few "low band", channel 2-6 assigned to digital
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>List owner: ham-antennas-owner@yahoogroups.com
>Yahoo! Groups Links
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7127. Re: [ham-antennas] Pre Amp

Yahoo group: ham-antennas (2008)
Date: 2008-12-07 21:59:11 UTC
From: Steve Friis
Topic: 7109 Message: 7127

You know, I have to stir the pot. Why are the broadcasters required to make this change?

Seems to me, this really isn't in the best interest to the consumer, as far as poor people go. Middle class American's probably buy TV's fairly often, but the poor at the bottom of the economic scale are being penalized.

What about those people when we need to alert them, like for a tornado or hurricane warning, and we've taken away their TV?

Sure, I guess they can buy a convertor, but then again, why should they have to buy anything?

Someone explain to me please?

Steve/WM5Z
Just because you say I'm paranoid doesn't mean they aren't watching us.

Chris wrote:
> The answer is yes, both VHF and UHF will be used.
>
> Check here for your local allocations and plan.
>
> http://www.fcc.gov/fcc-bin/audio/tvq.html is a search engine
>
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> Lot of information on google about this, lot of misconceptions.
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> Until the transition, a lot of the DTV transmissions are on temporary
> frequencies and also operating at vastly reduced power for testing.
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>
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>> compliance test run last Thursday by our Fox 4 and it ran on channel 4 . I
>> suppose time will tell. Chuck Wq5B
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>> ----- Original Message -----
>> From: Joe
>> To: ham-antennas@yahoogroups.com
>> Sent: Saturday, December 06, 2008 2:53 PM

>> Subject: Re: [ham-antennas] Pre Amp
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>> No, I'd wager 90% or more will be moving.
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>> Any that are on ch 7 or less will absolutely be gone to UHF, and 8 thru
>> 13 most will also be moving, some may stay but not many . easily 90%
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7128. Re: [ham-antennas] Pre Amp

Yahoo group: ham-antennas (2008)
Date: 2008-12-07 22:20:46 UTC
From: Joe
Topic: 7109 Message: 7128

Steve has it exactly,

And the answwer is,,

Drum roll Please

$$$
$$$
$$$
$$$

and nothing but $ PERIOD!

The FCC is selling off these freqs to other services. where they can make TONS of cashflow on them

thats all it is.

I really bet all the broadcasters wanted to spend millions of dollars EACH!!!!! buying this equipment they did not need to have.

Plus now what are they to do with the also millions of dollars of old transmitters they will have once they are shut down. it's not like there will be a market for them since they are useless here in the states.. Thay can not handle the cleanlyness needed of signal to be converted into a digital tranny.
Hey Maybe I'll contact lets see, Ch 7 from Iowa and get My 316 KW 2 meter Moonbounce array going again, Or hmmmm,, ch 2 from Green bay, I get my 6 meter 100 KW station going,,

Hey may as well go onto 70 cm true lets see, ch 15 in madison 891 KW,, That should get me into that hard to reach repeater in Chicago I havent been able to hit.

All of these trannies should be dirt cheap come May, for they will have no use other than ahhhh he he he here we go again hey third world!!! just like our garbage chemicals,,,,demember DDT, and 24D we can sell these trannies to them! hey that we ban for use here in the states, you can hanve all our banned transmitters cheap now for the drug amugglers can talk easier!

yeah that the plan!!

how could i be so dumb,,

give these 900KW to the drug smugglers and we can then easily hear when thy plan on sending up a load. how could i be so stupid, see the US goventment does know what it's doing!!!

Steve Friis wrote:

>You know, I have to stir the pot. Why are the broadcasters required to
>make this change?
>
>Seems to me, this really isn't in the best interest to the consumer, as
>far as poor people go. Middle class American's probably buy TV's fairly
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>Someone explain to me please?
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>Steve/WM5Z
>Just because you say I'm paranoid doesn't mean they aren't watching us.
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[Non-text portions of this message have been removed]

7129. Re: Pre Amp

Yahoo group: ham-antennas (2008)
Date: 2008-12-07 22:24:52 UTC
From: David Lewis
Topic: 7109 Message: 7129

Hi Steve,
The government auctioned off a lot of the frequency spectrum,back
in the mid nineties,that are used by analog tv.
However,each household is eligible for two $40 coupons,to be used
to buy converter boxes.I'll bet that there will be a lot of confusion
when the changeover takes place.DTV seems better quality,but I can't
say if it will be a hardship on some of the lower income folks.
73,David n5sjs

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7130. Re: [ham-antennas] Re: Pre Amp

Yahoo group: ham-antennas (2008)
Date: 2008-12-07 23:08:17 UTC
From: Joe
Topic: 7109 Message: 7130

I beg to differ on that,

from My installing activities I've been doing,, There are MANY people that have in here in Wisconsin TV's that are 40 50 years old, and work Fine. may are old retired farmers living on next to nothing, and without the help of some local donations these old married couples living out thwe last part of their lives, their only entertainment is TV, and in their situations I will tell you that come feb they will not have TV. and that's all they got left in their lives.

Yes it is sad,, I've even given away some stuff, but I'm flat out of help, and the dam has yet to burst.

There ya go,, come May, there will be a emergency bill in congress, that instead of a stimulus check everyone in the country will get garanteed digital Tv coverage. yeah there we go,,

These people 40 buck coupon on a 60 buck converter is as good as well as my dad said tiots on a bull. 20 bucks may not seem a lot but to a LOT of people in this country, 20 bucks can mean if they will eat or not.

thats why tyey are watching FREE TV ON A 1960's TV!!! cable, sattellite/ not an option free or nothing. and for sadly many in this country that is all they have.

Just like this imagine

By looking at what we know about how society and commerce would slow down, and how people respond, it's possible to envision what we might face. Unlike the 1930s, when food and clothing were far more expensive,as compared to today, today we spend much of our money on healthcare, child care, and education, and we'd see uncomfortable changes in those parts of our lives. The lines wouldn't be outside soup kitchens but at emergency rooms, and rather than itinerant farmers we could see waves of laid-off office workers leaving homes to foreclosure and heading for areas of the country where there's more work - or just a relative with a free room over the garage. Already hollowed-out manufacturing cities could be all but deserted, and suburban neighborhoods left checkerboarded, with abandoned houses next to overcrowded ones.

And above all, a depression circa 2009 might be a less visible and more isolating experience. With the invention of televisions and the proliferation of channels, it's getting easier and easier to kill time alone, and free time is one thing a 21st-century depression would create in abundance. Instead of dusty farm families, the icon of a modern-day depression might be something as subtle as the flickering glow of

millions of televisions glimpsed through living room windows, as the nation's unemployed sit at home filling their days with the cheapest form of distraction available.

Thing is,

In the 1930's a much larger part of the population was rural and agricultural. If a family didn't lose the farm to the bank they could grow their own food and make clothes. Today most of the country is urban or suburban and dependent on grocery stores.Amd mortages. and growing yiur own food, if yiou even knew how, the zoning laws woulndt let yiou do it anyway.. never mind have a cow or two or chickens in your yard.. I wouldn't be too sure about not seeing soup kitchen lines. Maybe a lot of those suburban lawns would become vegetable gardens, and backyards would have chicken coops.

Those abandoned suburban houses might have squatters, perhaps even their former owners. This is already happening now.

Regions like the Pacific Northwest which are already fast growing could be "areas of the country where there's more work" and be flooded with "laid off office workers." "Remember the Grapes Of Wrath"? Regions like the Southwest that are natural desert and have been overpopulated because of air conditioning could lose population if energy become unaffordable. Already scarce water could become a major factor in where people live.

A good deal will depend on the severity depth and length of the downturn, i.e a 2-3 year slowdown will differ from a 2-decade long depression

Back to basics -2010 style
-Cash is king; you're dead if you are in debt
-opportunity savvy buyer pick up assets at firesale prices ie pennies on the dollar
-frugality, cost cutting, semi illegal ways to save money (ie buy through your neighbor that is still working and gets a 40% employee discount. I
-rise in crime, theft, scams, counterfeiting, get rich quick schemes, This I see will be far greater than in the 30's. sadly back then evebnn one starving would never stink of stealing from a neighbor, but today?.....
-global trade collapses ie watch Baltic Dry Index (DBI), people turn to buying locally produced raw materials
-fringe lifestyle groups affering alternatives to poor ie dark greens,
-rise in fascist regimes,
-authoritarian parties offering control & back to the good times roadmap
-increased popularity of backyard depression gardens and possibly chicken coups,
-communal urban farms with cows, chickens and sheep
-High tech urban farming in skyscrappers
-regions with stable sustainable electrical power (hydro or nuclear)

fare better then ones dependent of oil or gas
-DIY industry grows, demand for affordable electric vehicles, DIY
projects ie people convert electric golf carts to makeshift on-road vehicles
-people who can afford it go "off grid selling solar power and
wind-power back to the utility
-growing vegetable and fruit "seed" sales
-books and classes on canning and preserving food,
-immigrants teaching locally born Canadians and Americans how to be
self-sufficient
-growing use of food banks and soup kitchens
-abandoned malls and schools become homeless shelters
-centralized preserving centers (attached to food banks) where neighbors
can bring in fresh produce to can and to share with the needy in
exchange for canning facilities
-doctors making house-calls
-The town strip mall will be replaced by the "swap ally" or roadways or
roadsides where people will gather daily for perpetual garage sales to
buy (whoever has cash) or barter trade for what you need. (Like
south-side New York city)
-On-line swap sites (like e-Bay) grow, but may become unaffordable do to
increased shipping costs
-Growth in the repo business, auction business and conspicuous
consumption recycling.
-Collapse of the supermarkets, malls and plaza's chain stores and
mega-box stores (due to the pending commercial mortgage bubble and lack
of sustained shopper traffic) and the return of the local mom and pop
corner variety store
-Increase in entrepreneurship, hobbies turn to businesses if your skill
is needed and popular
-Government becomes the major employer, offering work security but with
dropping wages
-death of the middle man, intermediary, distribution center, customers
go to the source if it exists locally
-return of the corner fix-it store
-unlicensed and unregulated neighbor-helping-neighbor daycare (children
swaps)
-growth of regional farmer's markets
-farm-to-mouth pilgrimages to rural areas and to farms to stock up on
produce and meat
-deflation favors renting over home ownership
-wild cards ie peak oil and oil shortages and resource wars (water and
other strategic materials, metals)

Hey Happy New Year!!!!

David Lewis wrote:

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>in the mid nineties,that are used by analog tv.
> However,each household is eligible for two $40 coupons,to be used

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[Non-text portions of this message have been removed]

7131. Re: [ham-antennas] Pre Amp

Yahoo group: ham-antennas (2008)
Date: 2008-12-07 23:10:34 UTC
From: Steve Friis
Topic: 7109 Message: 7131

OK, so it was the government. That much I figured. Who came up with this idea?

Steve/WM5Z
Just because you say I'm paranoid doesn't mean they aren't watching us.

Joe wrote:
> Steve has it exactly,
>
> And the answwer is,,
>
> Drum roll Please
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> All of these trannies should be dirt cheap come May, for they will have
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> Steve Friis wrote:
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>> You know, I have to stir the pot.

7132. Re: [ham-antennas] Re: Pre Amp

Yahoo group: ham-antennas (2008)
Date: 2008-12-07 23:21:03 UTC
From: Steve Friis
Topic: 7109 Message: 7132

OK, I see what you are saying, the $40 coupon to buy an electronic gadget. In reality, what do these cost? I see that one electronics dealer has them for 89.95. It is a kit with a cable and who knows what else. So if they are $90 each and the government pays $40, who pays the rest?

Maybe I'm to concerned, but look at the demographics here. The mean income is well below the average here. Sure, I live good, my housing cost is low but most everything else is not cheaper. Food and fuel are right up there. So, the poor Mexican family working here, they just have to give up TV?

Just so you don't think I'm just a bleeding heart, I am very conservative. I do care about my neighbors, though.

Steve/WM5Z
Just because you say I'm paranoid doesn't mean they aren't watching us.

David Lewis wrote:
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>>>>> digital transmission instead of analog. sort of like hams using
>>>>>
> digital
>
>>>>>
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>>> ------------------------------------
>>>
>>> HAM ANTENNAS Anything and everything, tell us or ask questions.
>>>
> Replies go to ALL 1446 members (as of 9/26/08, and attachments are NOT
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>
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7133. Re: [ham-antennas] Re: Pre Amp

Yahoo group: ham-antennas (2008)
Date: 2008-12-07 23:28:55 UTC
From: Mike Check
Topic: 7109 Message: 7133

I ordered these coupons, even though I do not need a box. I was able to buy one box for tax only. There are $40 boxes, but it is hard to find them in stock here in San Antonio. Works pretty good on some rabbit ears up on the second story of my house. It IS all about $$$$ The government is selling spectrum.
This scares the crap out of me. Useful spectrum is currently finite. Will they next try to sell our frequencies when they no longer have spectrum to sell?

On Sun, Dec 7, 2008 at 5:21 PM, Steve Friis <wm5z@...> wrote:

> OK, I see what you are saying, the $40 coupon to buy an electronic
> gadget. In reality, what do these cost? I see that one electronics
> dealer has them for 89.95. It is a kit with a cable and who knows what
> else. So if they are $90 each and the government pays $40, who pays the
> rest?
>
>
>

[Non-text portions of this message have been removed]

7134. Re: [ham-antennas] Re: Pre Amp

Yahoo group: ham-antennas (2008)
Date: 2008-12-07 23:32:32 UTC
From: Joe
Topic: 7109 Message: 7134

Steve Friis wrote:

>OK, I see what you are saying, the $40 coupon to buy an electronic
>gadget. In reality, what do these cost? I see that one electronics
>dealer has them for 89.95. It is a kit with a cable and who knows what
>else. So if they are $90 each and the government pays $40, who pays the
>rest?
>
>
The person that wants it.pats the rest. No Pay,, no watch period.
You Buy cable,, sattellite,, or converter box, or new digital TV, or
no Tv for you! Period,

You can't even steal your neighbors cable like in the old days, it's
digital!,,

>Maybe I'm to concerned, but look at the demographics here. The mean
>income is well below the average here. Sure, I live good, my housing
>cost is low but most everything else is not cheaper. Food and fuel are
>right up there. So, the poor Mexican family working here, they just have
>to give up TV?
>
>
More or less, again Buy The box,, buy a new TV,, buy cable or sattlite
service or no TV for you.

At least thats where i'm coming from. when the last great change of TV
was made it was mandated that all the older sets will also work with
it. when we switched from B&W to Color. It was federal mandate that
the new format of color signal can still be watched with no changes in
existing sets.

not this time. the government doesn't care, they want to sell off the
spectrum and make some mone7y.

>Just so you don't think I'm just a bleeding heart, I am very
>conservative. I do care about my neighbors, though.
>
>Steve/WM5Z
>Just because you say I'm paranoid doesn't mean they aren't watching us.
>
>
>
>David Lewis wrote:
>
>

>> Hi Steve,
>> The government auctioned off a lot of the frequency spectrum,back
>>in the mid nineties,that are used by analog tv.
>> However,each household is eligible for two $40 coupons,to be used
>>to buy converter boxes.I'll bet that there will be a lot of confusion
>>when the changeover takes place.DTV seems better quality,but I can't
>>say if it will be a hardship on some of the lower income folks.
>> 73,David n5sjs
>>
>>
>>
>>
>>>You know, I have to stir the pot. Why are the broadcasters required to
>>>make this change?
>>>
>>>Seems to me, this really isn't in the best interest to the consumer, as
>>>far as poor people go. Middle class American's probably buy TV's fairly
>>>often, but the poor at the bottom of the economic scale are being
>>>penalized.
>>>
>>>What about those people when we need to alert them, like for a tornado
>>>or hurricane warning, and we've taken away their TV?
>>>
>>>Sure, I guess they can buy a convertor, but then again, why should they
>>>have to buy anything?
>>>
>>>Someone explain to me please?
>>>
>>>Steve/WM5Z
>>>Just because you say I'm paranoid doesn't mean they aren't watching us.
>>>
>>>
>>>
>>>Chris wrote:
>>>
>>>
>>>
>>>>The answer is yes, both VHF and UHF will be used.
>>>>
>>>>Check here for your local allocations and plan.
>>>>
>>>>http://www.fcc.gov/fcc-bin/audio/tvq.html is a search engine
>>>>
>>>>http://www.fcc.gov/oet/dtv/start/dtv2-69all.txt is a plain text list
>>>>
>>>>Lot of information on google about this, lot of misconceptions.
>>>>
>>>>Until the transition, a lot of the DTV transmissions are on temporary
>>>>frequencies and also operating at vastly reduced power for testing.
>>>>After the transition date, they will increase to full broadcast power.

>>>>
>>>>On Sat, Dec 6, 2008 at 4:28 PM, Chuck Schultz <wq5b@...> wrote:
>>>>
>>>>
>>>>
>>>>
>>>>>I wonder if this may differ by regions. I understood that there
>>>>>
>>>>>
>>>>>
>>would be no
>>
>>
>>
>>>>>more UHF and as yet no station has mentioned a move. All but one
>>>>>
>>>>>
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>>of the UHF
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>>
>>>>>stations are now btoadcasting in digital as well as analog. We had a
>>>>>compliance test run last Thursday by our Fox 4 and it ran on
>>>>>
>>>>>
>>>>>
>>channel 4 . I
>>
>>
>>
>>>>>suppose time will tell. Chuck Wq5B
>>>>>
>>>>>----- Original Message -----
>>>>>From: Joe
>>>>>To: ham-antennas@yahoogroups.com
>>>>>Sent: Saturday, December 06, 2008 2:53 PM
>>>>>Subject: Re: [ham-antennas] Pre Amp
>>>>>
>>>>>No, I'd wager 90% or more will be moving.
>>>>>
>>>>>Any that are on ch 7 or less will absolutely be gone to UHF, and
>>>>>
>>>>>
>>>>>
>>8 thru
>>
>>
>>
>>>>>13 most will also be moving, some may stay but not many . easily 90%

>>>>>will be UHF,,
>>>>>
>>>>>Joe
>>>>>
>>>>>Jim Coon wrote:
>>>>>
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>>>>>>I thought they were not changing frequency, they were just
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>>>>>>digital transmission instead of analog. sort of like hams using
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[Non-text portions of this message have been removed]

7135. Re: [ham-antennas] Re: Pre Amp

Yahoo group: ham-antennas (2008)
Date: 2008-12-07 23:34:01 UTC
From: Steve Friis
Topic: 7109 Message: 7135

Wow, sounds really bleak the way you wrote that.

I guess I should go out, buy a couple of cases of ammo to protect us
with, and set up the RV to live in.

Steve/WM5Z
Just because you say I'm paranoid doesn't mean they aren't watching us.

Joe wrote:
> I beg to differ on that,
>
> from My installing activities I've been doing,, There are MANY people
> that have in here in Wisconsin TV's that are 40 50 years old, and
> work Fine. may are old retired farmers living on next to nothing, and
> without the help of some local donations these old married couples
> living out thwe last part of their lives, their only entertainment is
> TV, and in their situations I will tell you that come feb they will
> not have TV. and that's all they got left in their lives.
>
> Yes it is sad,, I've even given away some stuff, but I'm flat out of
> help, and the dam has yet to burst.
>
> There ya go,, come May, there will be a emergency bill in congress,
> that instead of a stimulus check everyone in the country will get
> garanteed digital Tv coverage. yeah there we go,,
>
> These people 40 buck coupon on a 60 buck converter is as good as well
> as my dad said tiots on a bull. 20 bucks may not seem a lot but to a
> LOT of people in this country, 20 bucks can mean if they will eat or not.
>
> thats why tyey are watching FREE TV ON A 1960's TV!!! cable,
> sattellite/ not an option free or nothing. and for sadly many in this
> country that is all they have.
>
> Just like this imagine
>
> By looking at what we know about how society and commerce would slow
> down, and how people respond, it's possible to envision what we might
> face. Unlike the 1930s, when food and clothing were far more
> expensive,as compared to today, today we spend much of our money on
> healthcare, child care, and education, and we'd see uncomfortable
> changes in those parts of our lives. The lines wouldn't be outside soup
> kitchens but at emergency rooms, and rather than itinerant farmers we
> could see waves of laid-off office workers leaving homes to foreclosure
> and heading for areas of the country where there's more work - or just a
> relative with a free room over the garage. Already hollowed-out

> manufacturing cities could be all but deserted, and suburban
> neighborhoods left checkerboarded, with abandoned houses next to
> overcrowded ones.
>
> And above all, a depression circa 2009 might be a less visible and
> more isolating experience. With the invention of televisions and the
> proliferation of channels, it's getting easier and easier to kill time
> alone, and free time is one thing a 21st-century depression would create
> in abundance. Instead of dusty farm families, the icon of a modern-day
> depression might be something as subtle as the flickering glow of
> millions of televisions glimpsed through living room windows, as the
> nation's unemployed sit at home filling their days with the cheapest
> form of distraction available.
>
> Thing is,
>
> In the 1930's a much larger part of the population was rural and
> agricultural. If a family didn't lose the farm to the bank they could
> grow their own food and make clothes. Today most of the country is urban
> or suburban and dependent on grocery stores.Amd mortages. and growing
> yiur own food, if yiou even knew how, the zoning laws woulndt let yiou
> do it anyway.. never mind have a cow or two or chickens in your yard..
> I wouldn't be too sure about not seeing soup kitchen lines. Maybe a lot
> of those suburban lawns would become vegetable gardens, and backyards
> would have chicken coops.
>
> Those abandoned suburban houses might have squatters, perhaps even their
> former owners. This is already happening now.
>
> Regions like the Pacific Northwest which are already fast growing could
> be "areas of the country where there's more work" and be flooded with
> "laid off office workers." "Remember the Grapes Of Wrath"? Regions
> like the Southwest that are natural desert and have been overpopulated
> because of air conditioning could lose population if energy become
> unaffordable. Already scarce water could become a major factor in where
> people live.
>
> A good deal will depend on the severity depth and length of the
> downturn, i.e a 2-3 year slowdown will differ from a 2-decade long
> depression
>
> Back to basics -2010 style
> -Cash is king; you're dead if you are in debt
> -opportunity savvy buyer pick up assets at firesale prices ie pennies on
> the dollar
> -frugality, cost cutting, semi illegal ways to save money (ie buy
> through your neighbor that is still working and gets a 40% employee
> discount. I
> -rise in crime, theft, scams, counterfeiting, get rich quick schemes,
> This I see will be far greater than in the 30's. sadly back then evebnn

> one starving would never stink of stealing from a neighbor, but
> today?.....
> -global trade collapses ie watch Baltic Dry Index (DBI), people turn to
> buying locally produced raw materials
> -fringe lifestyle groups affering alternatives to poor ie dark greens,
> -rise in fascist regimes,
> -authoritarian parties offering control & back to the good times roadmap
> -increased popularity of backyard depression gardens and possibly
> chicken coups,
> -communal urban farms with cows, chickens and sheep
> -High tech urban farming in skyscrappers
> -regions with stable sustainable electrical power (hydro or nuclear)
> fare better then ones dependent of oil or gas
> -DIY industry grows, demand for affordable electric vehicles, DIY
> projects ie people convert electric golf carts to makeshift on-road vehicles
> -people who can afford it go "off grid selling solar power and
> wind-power back to the utility
> -growing vegetable and fruit "seed" sales
> -books and classes on canning and preserving food,
> -immigrants teaching locally born Canadians and Americans how to be
> self-sufficient
> -growing use of food banks and soup kitchens
> -abandoned malls and schools become homeless shelters
> -centralized preserving centers (attached to food banks) where neighbors
> can bring in fresh produce to can and to share with the needy in
> exchange for canning facilities
> -doctors making house-calls
> -The town strip mall will be replaced by the "swap ally" or roadways or
> roadsides where people will gather daily for perpetual garage sales to
> buy (whoever has cash) or barter trade for what you need. (Like
> south-side New York city)
> -On-line swap sites (like e-Bay) grow, but may become unaffordable do to
> increased shipping costs
> -Growth in the repo business, auction business and conspicuous
> consumption recycling.
> -Collapse of the supermarkets, malls and plaza's chain stores and
> mega-box stores (due to the pending commercial mortgage bubble and lack
> of sustained shopper traffic) and the return of the local mom and pop
> corner variety store
> -Increase in entrepreneurship, hobbies turn to businesses if your skill
> is needed and popular
> -Government becomes the major employer, offering work security but with
> dropping wages
> -death of the middle man, intermediary, distribution center, customers
> go to the source if it exists locally
> -return of the corner fix-it store
> -unlicensed and unregulated neighbor-helping-neighbor daycare (children
> swaps)
> -growth of regional farmer's markets
> -farm-to-mouth pilgrimages to rural areas and to farms to stock up on

> produce and meat
> -deflation favors renting over home ownership
> -wild cards ie peak oil and oil shortages and resource wars (water and
> other strategic materials, metals)
>
>
> Hey Happy New Year!!!!
>
>
>
> David Lewis wrote:
>
>
>> Hi Steve,
>> The government auctioned off a lot of the frequency spectrum,back
>> in the mid nineties,that are used by analog tv.
>> However,each household is eligible for two $40 coupons,to be used
>> to buy converter boxes.I'll bet that there will be a lot of confusion
>> when the changeover takes place.DTV seems better quality,but I can't
>> say if it will be a hardship on some of the lower income folks.
>> 73,David n5sjs
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>>
>>> You know, I have to stir the pot. Why are the broadcasters required to
>>> make this change?
>>>
>>> Seems to me, this really isn't in the best interest to the consumer, as
>>> far as poor people go. Middle class American's probably buy TV's fairly
>>> often, but the poor at the bottom of the economic scale are being
>>> penalized.
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>>> What about those people when we need to alert them, like for a tornado
>>> or hurricane warning, and we've taken away their TV?
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>>> Sure, I guess they can buy a convertor, but then again, why should they
>>> have to buy anything?
>>>
>>> Someone explain to me please?
>>>
>>> Steve/WM5Z
>>> Just because you say I'm paranoid doesn't mean they aren't watching us.
>>>
>>>
>>>
>>> Chris wrote:
>>>
>>>
>>>

>>>> The answer is yes, both VHF and UHF will be used.
>>>>
>>>> Check here for your local allocations and plan.
>>>>
>>>> http://www.fcc.gov/fcc-bin/audio/tvq.html is a search engine
>>>>
>>>> http://www.fcc.gov/oet/dtv/start/dtv2-69all.txt is a plain text list
>>>>
>>>> Lot of information on google about this, lot of misconceptions.
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>>>> Until the transition, a lot of the DTV transmissions are on temporary
>>>> frequencies and also operating at vastly reduced power for testing.
>>>> After the transition date, they will increase to full broadcast power.
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>>>> On Sat, Dec 6, 2008 at 4:28 PM, Chuck Schultz <wq5b@...> wrote:
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>> channel 4 . I
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>>>>> suppose time will tell. Chuck Wq5B
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>>>>> ----- Original Message -----
>>>>> From: Joe
>>>>> To: ham-antennas@yahoogroups.com
>>>>> Sent: Saturday, December 06, 2008 2:53 PM

>>>>> Subject: Re: [ham-antennas] Pre Amp
>>>>>
>>>>> No, I'd wager 90% or more will be moving.
>>>>>
>>>>> Any that are on ch 7 or less will absolutely be gone to UHF, and
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>>>>> 13 most will also be moving, some may stay but not many . easily 90%
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>>>>> Joe
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>>>>> Jim Coon wrote:
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>>>>>> I thought they were not changing frequency, they were just
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> [Non-text portions of this message have been removed]
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7136. Re: [ham-antennas] Re: Pre Amp

Yahoo group: ham-antennas (2008)
Date: 2008-12-07 23:34:02 UTC
From: Joe
Topic: 7109 Message: 7136

absolutely, then it's time for the amateurs to turn into CBers and just
break all the rules and laws and jam the new useres

Mike Check wrote:

>I ordered these coupons, even though I do not need a box. I was able to buy
>one box for tax only. There are $40 boxes, but it is hard to find them in
>stock here in San Antonio. Works pretty good on some rabbit ears up on the
>second story of my house. It IS all about $$$$ The government is selling
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>This scares the crap out of me. Useful spectrum is currently finite. Will
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>sell?
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>
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[Non-text portions of this message have been removed]

7137. Re: [ham-antennas] Re: Pre Amp

Yahoo group: ham-antennas (2008)
Date: 2008-12-08 01:13:08 UTC
From: Steve Friis
Topic: 7109 Message: 7137

Well Dave,

Some people just can't afford a new TV or cable or satellite receiver. These people are dirt poor! These are my friends and my neighbors. Some speak English, many can't. Some have good jobs, many have minimum wage jobs, and right now, a lot are without work. Most are really wanting to raise their families and live from day to day. Here we are, suddenly going to pull the rug out from under them, and then take away one of the few joys they have in life?

Well, and please don't take this to personal, but I don't think you can relate to how they feel Joe. You have to be a minority, beaten down all your life, have had so many things dangled just out of reach all your life, and now one thing you do have is going to be taken away?

It kind of makes me angry and sad. It also makes me worry and afraid. If you can't see why, then I feel sorry for you.

Steve/WM5Z
Just because you say I'm paranoid doesn't mean they aren't watching us.

Joe wrote:
> Steve Friis wrote:
>
>
>> OK, I see what you are saying, the $40 coupon to buy an electronic
>> gadget. In reality, what do these cost? I see that one electronics
>> dealer has them for 89.95. It is a kit with a cable and who knows what
>> else. So if they are $90 each and the government pays $40, who pays the
>> rest?
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> The person that wants it.pats the rest. No Pay,, no watch period.
> You Buy cable,, sattellite,, or converter box, or new digital TV, or
> no Tv for you! Period,
>
> You can't even steal your neighbors cable like in the old days, it's
> digital!,,
>
>
>> Maybe I'm to concerned, but look at the demographics here. The mean
>> income is well below the average here. Sure, I live good, my housing
>> cost is low but most everything else is not cheaper. Food and fuel are
>> right up there. So, the poor Mexican family working here, they just have
>> to give up TV?

>>
>>
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> More or less, again Buy The box,, buy a new TV,, buy cable or sattlite
> service or no TV for you.
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> At least thats where i'm coming from. when the last great change of TV
> was made it was mandated that all the older sets will also work with
> it. when we switched from B&W to Color. It was federal mandate that
> the new format of color signal can still be watched with no changes in
> existing sets.
>
> not this time. the government doesn't care, they want to sell off the
> spectrum and make some mone7y.
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>> Just so you don't think I'm just a bleeding heart, I am very
>> conservative. I do care about my neighbors, though.
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>> David Lewis wrote:
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>>>> or hurricane warning, and we've taken away their TV?
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>>>> Sure, I guess they can buy a convertor, but then again, why should they
>>>> have to buy anything?
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>>>> Someone explain to me please?
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>>>> Steve/WM5Z
>>>> Just because you say I'm paranoid doesn't mean they aren't watching us.
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>>>>
>>>> Chris wrote:
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>>>>
>>>>> The answer is yes, both VHF and UHF will be used.
>>>>>
>>>>> Check here for your local allocations and plan.
>>>>>
>>>>> http://www.fcc.gov/fcc-bin/audio/tvq.html is a search engine
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>>>>> http://www.fcc.gov/oet/dtv/start/dtv2-69all.txt is a plain text list
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>>>>> Lot of information on google about this, lot of misconceptions.
>>>>>
>>>>> Until the transition, a lot of the DTV transmissions are on temporary
>>>>> frequencies and also operating at vastly reduced power for testing.
>>>>> After the transition date, they will increase to full broadcast power.
>>>>>
>>>>> On Sat, Dec 6, 2008 at 4:28 PM, Chuck Schultz <wq5b@...> wrote:
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>>>>>> I wonder if this may differ by regions. I understood that there
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>>>>>> more UHF and as yet no station has mentioned a move. All but one
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>>>>>> stations are now btoadcasting in digital as well as analog. We had a
>>>>>> compliance test run last Thursday by our Fox 4 and it ran on
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>>>>>> suppose time will tell. Chuck Wq5B
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>>>>>> ----- Original Message -----
>>>>>> From: Joe
>>>>>> To: ham-antennas@yahoogroups.com
>>>>>> Sent: Saturday, December 06, 2008 2:53 PM
>>>>>> Subject: Re: [ham-antennas] Pre Amp
>>>>>>
>>>>>> No, I'd wager 90% or more will be moving.
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>>>>>> Any that are on ch 7 or less will absolutely be gone to UHF, and
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>>>>>> 13 most will also be moving, some may stay but not many . easily 90%
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>>>>>> Jim Coon wrote:
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7138. Re: [ham-antennas] Re: Pre Amp

Yahoo group: ham-antennas (2008)
Date: 2008-12-08 01:41:54 UTC
From: Joe
Topic: 7109 Message: 7138

I agree with you fully,

no one asked the FCc to do this,, thery see a limited resource and like
opec are cutting back supply to raise prices.

Steve Friis wrote:

>Well Dave,
>
>Some people just can't afford a new TV or cable or satellite receiver.
>These people are dirt poor! These are my friends and my neighbors. Some
>speak English, many can't. Some have good jobs, many have minimum wage
>jobs, and right now, a lot are without work. Most are really wanting to
>raise their families and live from day to day. Here we are, suddenly
>going to pull the rug out from under them, and then take away one of the
>few joys they have in life?
>
>Well, and please don't take this to personal, but I don't think you can
>relate to how they feel Joe. You have to be a minority, beaten down all
>your life, have had so many things dangled just out of reach all your
>life, and now one thing you do have is going to be taken away?
>
>It kind of makes me angry and sad. It also makes me worry and afraid. If
>you can't see why, then I feel sorry for you.
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>Steve/WM5Z
>Just because you say I'm paranoid doesn't mean they aren't watching us.
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>>Steve Friis wrote:
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>>>OK, I see what you are saying, the $40 coupon to buy an electronic
>>>gadget. In reality, what do these cost? I see that one electronics
>>>dealer has them for 89.95. It is a kit with a cable and who knows what
>>>else. So if they are $90 each and the government pays $40, who pays the
>>>rest?
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>>The person that wants it.pats the rest. No Pay,, no watch period.
>>You Buy cable,, sattellite,, or converter box, or new digital TV, or
>>no Tv for you! Period,
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>>You can't even steal your neighbors cable like in the old days, it's
>>digital!,,
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>>>Maybe I'm to concerned, but look at the demographics here. The mean
>>>income is well below the average here. Sure, I live good, my housing
>>>cost is low but most everything else is not cheaper. Food and fuel are
>>>right up there. So, the poor Mexican family working here, they just have
>>>to give up TV?
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>>not this time. the government doesn't care, they want to sell off the
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>>>conservative. I do care about my neighbors, though.
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>>>>when the changeover takes place.DTV seems better quality,but I can't
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>>>>>>>Sent: Saturday, December 06, 2008 2:53 PM
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>>[Non-text portions of this message have been removed]
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[Non-text portions of this message have been removed]

7139. Re: [ham-antennas] Re: Long Coax Run - Having Trouble Making Contacts

Yahoo group: ham-antennas (2008)
Date: 2008-12-08 02:16:58 UTC
From: w4ddr@comcast.net
Topic: 6923 Message: 7139

You could perhaps go with two different antennas. Keep the one at a distance in the quiet location for receive-only, then put up another antenna close to the shack for transmit only. Some radios have a receive-only antenna port and will automatically switch between your receive and transmit antennas. If your radio doesn't have this, you (or maybe someone you know) could build a switch for this purpose.

Don't be discouraged by your experiment with the hamstick on the roof. There could be many reasons you didn't get a good match with that setup. There are many good options still left you could try. I'm sure you could find one that would work.

Concerning feedlines, my experience has been that the shorter the better, and you always want to get the lowest loss cable you can physically manage and afford. Nothing will ruin a perfectly good antenna like the wrong feedline.

Good luck!

--
David Ratledge
W4DDR

---------- Original message ----------
From: "johnsobryan" <johnsobryan@...>
> When I first moved into the house, that was my first option - just to
> try, I put my hamstick on a tri-mag mount and mounted on the center
> of the metal roof up about 25 feet. It was very noisy (maybe from
> electronics, etc. in the house), plus on transmit, I couldn't get the
> SWR anywhere below 3 even with a tuner. For some reason, any antenna
> on or around the house is just very noisy, so the current location in
> the field is at least quiet on receive since it's away from the
> house; it's just the transmit problem that I have to solve.
> Thanks.
>
>
>

[Non-text portions of this message have been removed]

7140. Re: [ham-antennas] Re: Long Coax Run - Having Trouble Making Contacts

Yahoo group: ham-antennas (2008)
Date: 2008-12-08 02:24:22 UTC
From: Earl Needham
Topic: 6923 Message: 7140

Have you tried simply putting a watt meter and a dummy load at the
far end to see what's coming out there? I would consider that to be the
absolute
first step in this scenario.

7 3
Earl

--
KD5XB -- Earl Needham
Clovis, New Mexico DM84jk
http://groups.yahoo.com/group/cw_bugs
<http://groups.yahoo.com/group/cw_bugs>
Quoting from the Coast Guard: ZUT

No virus found in this incoming message.
Checked by AVG - http://www.avg.com
Version: 8.0.176 / Virus Database: 270.9.15/1833 - Release Date: 12/5/2008 7:08 PM

[Non-text portions of this message have been removed]

7141. Re: [ham-antennas] Re: Pre Amp

Yahoo group: ham-antennas (2008)
Date: 2008-12-08 02:52:01 UTC
From: Steve Friis
Topic: 7109 Message: 7141

Someone asked, or actually told them to do that.

Steve/WM5Z
Just because you say I'm paranoid doesn't mean they aren't watching us.

Joe wrote:
> I agree with you fully,
>
> no one asked the FCc to do this,, thery see a limited resource and like
> opec are cutting back supply to raise prices.
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> Steve Friis wrote:
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>
>> Well Dave,
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>> Some people just can't afford a new TV or cable or satellite receiver.
>> These people are dirt poor! These are my friends and my neighbors. Some
>> speak English, many can't. Some have good jobs, many have minimum wage
>> jobs, and right now, a lot are without work. Most are really wanting to
>> raise their families and live from day to day. Here we are, suddenly
>> going to pull the rug out from under them, and then take away one of the
>> few joys they have in life?
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>> Well, and please don't take this to personal, but I don't think you can
>> relate to how they feel Joe. You have to be a minority, beaten down all
>> your life, have had so many things dangled just out of reach all your
>> life, and now one thing you do have is going to be taken away?
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>> you can't see why, then I feel sorry for you.
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>>> The person that wants it.pats the rest. No Pay,, no watch period.
>>> You Buy cable,, sattellite,, or converter box, or new digital TV, or
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>>>>>>> Post message: ham-antennas@yahoogroups.com
>>>>>>> Subscribe: ham-antennas-subscribe@yahoogroups.com
>>>>>>> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
>>>>>>> List owner: ham-antennas-owner@yahoogroups.com
>>>>>>> Yahoo! Groups Links
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7142. Re: [ham-antennas] Re: Pre Amp

Yahoo group: ham-antennas (2008)
Date: 2008-12-08 02:57:41 UTC
From: Joe
Topic: 7109 Message: 7142

who?

Steve Friis wrote:

>Someone asked, or actually told them to do that.
>
>Steve/WM5Z
>Just because you say I'm paranoid doesn't mean they aren't watching us.
>
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>
>Joe wrote:
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>
>>I agree with you fully,
>>
>>no one asked the FCc to do this,, thery see a limited resource and like
>>opec are cutting back supply to raise prices.
>>
>>Steve Friis wrote:
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>>>Well Dave,
>>>
>>>Some people just can't afford a new TV or cable or satellite receiver.
>>>These people are dirt poor! These are my friends and my neighbors. Some
>>>speak English, many can't. Some have good jobs, many have minimum wage
>>>jobs, and right now, a lot are without work. Most are really wanting to
>>>raise their families and live from day to day. Here we are, suddenly
>>>going to pull the rug out from under them, and then take away one of the
>>>few joys they have in life?
>>>
>>>Well, and please don't take this to personal, but I don't think you can
>>>relate to how they feel Joe. You have to be a minority, beaten down all
>>>your life, have had so many things dangled just out of reach all your
>>>life, and now one thing you do have is going to be taken away?
>>>
>>>It kind of makes me angry and sad. It also makes me worry and afraid. If
>>>you can't see why, then I feel sorry for you.
>>>
>>>Steve/WM5Z
>>>Just because you say I'm paranoid doesn't mean they aren't watching us.
>>>

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>>>Joe wrote:
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>>>>Steve Friis wrote:
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>>>>>OK, I see what you are saying, the $40 coupon to buy an electronic
>>>>>gadget. In reality, what do these cost? I see that one electronics
>>>>>dealer has them for 89.95. It is a kit with a cable and who knows what
>>>>>else. So if they are $90 each and the government pays $40, who pays the
>>>>>rest?
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>>>>The person that wants it.pats the rest. No Pay,, no watch period.
>>>>You Buy cable,, sattellite,, or converter box, or new digital TV, or
>>>>no Tv for you! Period,
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>>>>You can't even steal your neighbors cable like in the old days, it's
>>>>digital!,,
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>>>>>Maybe I'm to concerned, but look at the demographics here. The mean
>>>>>income is well below the average here. Sure, I live good, my housing
>>>>>cost is low but most everything else is not cheaper. Food and fuel are
>>>>>right up there. So, the poor Mexican family working here, they just have
>>>>>to give up TV?
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>>>>>
>>>>More or less, again Buy The box,, buy a new TV,, buy cable or sattlite
>>>>service or no TV for you.
>>>>
>>>>At least thats where i'm coming from. when the last great change of TV
>>>>was made it was mandated that all the older sets will also work with
>>>>it. when we switched from B&W to Color. It was federal mandate that
>>>>the new format of color signal can still be watched with no changes in
>>>>existing sets.
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>>>>not this time. the government doesn't care, they want to sell off the
>>>>spectrum and make some mone7y.
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>>>>>Just so you don't think I'm just a bleeding heart, I am very
>>>>>conservative. I do care about my neighbors, though.
>>>>>
>>>>>Steve/WM5Z
>>>>>Just because you say I'm paranoid doesn't mean they aren't watching us.
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>>>>>David Lewis wrote:
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>>>>>>Hi Steve,
>>>>>> The government auctioned off a lot of the frequency spectrum,back
>>>>>>in the mid nineties,that are used by analog tv.
>>>>>> However,each household is eligible for two $40 coupons,to be used
>>>>>>to buy converter boxes.I'll bet that there will be a lot of confusion
>>>>>>when the changeover takes place.DTV seems better quality,but I can't
>>>>>>say if it will be a hardship on some of the lower income folks.
>>>>>>73,David n5sjs
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>>>>>>>>>>>You know, I have to stir the pot. Why are the broadcasters required to
>>>>>>>>>>>make this change?
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>>>>>>>>>>>Seems to me, this really isn't in the best interest to the consumer, as
>>>>>>>>>>>far as poor people go. Middle class American's probably buy TV's fairly
>>>>>>>>>>>often, but the poor at the bottom of the economic scale are being
>>>>>>>>>>>penalized.
>>>>>>>>>>>
>>>>>>>>>>>What about those people when we need to alert them, like for a tornado
>>>>>>>>>>>or hurricane warning, and we've taken away their TV?
>>>>>>>>>>>
>>>>>>>>>>>Sure, I guess they can buy a convertor, but then again, why should they
>>>>>>>>>>>have to buy anything?
>>>>>>>>>>>
>>>>>>>>>>>Someone explain to me please?
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>>>>>>>>>>>Steve/WM5Z
>>>>>>>>>>>Just because you say I'm paranoid doesn't mean they aren't watching us.
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>>>>>>>>>>>Chris wrote:
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>>>>>>>>>>>>>>>>>>>The answer is yes, both VHF and UHF will be used.
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>>>>>>>>>>>>>>>>>>>Check here for your local allocations and plan.
>>>>>>>>>>>>>>>>>>>
>>>>>>>>>>>>>>>>>>>http://www.fcc.gov/fcc-bin/audio/tvq.html is a search engine
>>>>>>>>>>>>>>>>>>>
>>>>>>>>>>>>>>>>>>>http://www.fcc.gov/oet/dtv/start/dtv2-69all.txt is a plain text list
>>>>>>>>>>>>>>>>>>>
>>>>>>>>>>>>>>>>>>>Lot of information on google about this, lot of misconceptions.
>>>>>>>>>>>>>>>>>>>
>>>>>>>>>>>>>>>>>>>Until the transition, a lot of the DTV transmissions are on temporary

>>>>>>>>frequencies and also operating at vastly reduced power for testing.
>>>>>>>>After the transition date, they will increase to full broadcast power.
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>>>>>>>>On Sat, Dec 6, 2008 at 4:28 PM, Chuck Schultz <wq5b@...> wrote:
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>>>>>>>>>>I wonder if this may differ by regions. I understood that there
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>>>>>>>would be no
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>>>>>>>>>>more UHF and as yet no station has mentioned a move. All but one
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>>>>>>>>>>stations are now btoadcasting in digital as well as analog. We had a
>>>>>>>>>>compliance test run last Thursday by our Fox 4 and it ran on
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>>>>>>channel 4 . I
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>>>>>>>>>>suppose time will tell. Chuck Wq5B
>>>>>>>>>
>>>>>>>>>>------ Original Message -----
>>>>>>>>>>From: Joe
>>>>>>>>>>To: ham-antennas@yahoogroups.com
>>>>>>>>>>Sent: Saturday, December 06, 2008 2:53 PM
>>>>>>>>>>Subject: Re: [ham-antennas] Pre Amp
>>>>>>>>>
>>>>>>>>>>No, I'd wager 90% or more will be moving.
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>>>>>>>>>>Any that are on ch 7 or less will absolutely be gone to UHF, and
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>>>>>>>>>13 most will also be moving, some may stay but not many . easily 90%
>>>>>>>>>will be UHF,,
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>>>>>>>>>Joe
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>>>>>>>>>Jim Coon wrote:
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>>>>>>>>>>I thought they were not changing frequency, they were just
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>>>>>>Replies go to ALL 1446 members (as of 9/26/08, and attachments are NOT
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[Non-text portions of this message have been removed]

7143. Re: [ham-antennas] Re: Pre Amp

Yahoo group: ham-antennas (2008)
Date: 2008-12-08 03:03:39 UTC
From: Steve Friis
Topic: 7109 Message: 7143

I don't know, who decided to do this?

Steve/WM5Z
Just because you say I'm paranoid doesn't mean they aren't watching us.

Joe wrote:
> who?
>
> Steve Friis wrote:
>
>
>> Someone asked, or actually told them to do that.
>>
>> Steve/WM5Z
>> Just because you say I'm paranoid doesn't mean they aren't watching us.
>>
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>> Joe wrote:
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>>> I agree with you fully,
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>>> no one asked the FCc to do this,, thery see a limited resource and like
>>> opec are cutting back supply to raise prices.
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>>> Steve Friis wrote:
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>>>> Well Dave,
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>>>> Some people just can't afford a new TV or cable or satellite receiver.
>>>> These people are dirt poor! These are my friends and my neighbors. Some
>>>> speak English, many can't. Some have good jobs, many have minimum wage
>>>> jobs, and right now, a lot are without work. Most are really wanting to
>>>> raise their families and live from day to day. Here we are, suddenly
>>>> going to pull the rug out from under them, and then take away one of the
>>>> few joys they have in life?
>>>>
>>>> Well, and please don't take this to personal, but I don't think you can
>>>> relate to how they feel Joe. You have to be a minority, beaten down all

>>>> your life, have had so many things dangled just out of reach all your
>>>> life, and now one thing you do have is going to be taken away?
>>>>
>>>> It kind of makes me angry and sad. It also makes me worry and afraid. If
>>>> you can't see why, then I feel sorry for you.
>>>>
>>>> Steve/WM5Z
>>>> Just because you say I'm paranoid doesn't mean they aren't watching us.
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>>>> Joe wrote:
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>>>>> Steve Friis wrote:
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>>>>>> OK, I see what you are saying, the $40 coupon to buy an electronic
>>>>>> gadget. In reality, what do these cost? I see that one electronics
>>>>>> dealer has them for 89.95. It is a kit with a cable and who knows what
>>>>>> else. So if they are $90 each and the government pays $40, who pays the
>>>>>> rest?
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>>>>> The person that wants it.pats the rest. No Pay,, no watch period.
>>>>> You Buy cable,, sattellite,, or converter box, or new digital TV, or
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>>>>> You can't even steal your neighbors cable like in the old days, it's
>>>>> digital!,,
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>>>>>> Maybe I'm to concerned, but look at the demographics here. The mean
>>>>>> income is well below the average here. Sure, I live good, my housing
>>>>>> cost is low but most everything else is not cheaper. Food and fuel are
>>>>>> right up there. So, the poor Mexican family working here, they just have
>>>>>> to give up TV?
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>>>>> More or less, again Buy The box,, buy a new TV,, buy cable or sattlite
>>>>> service or no TV for you.
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>>>>> At least thats where i'm coming from. when the last great change of TV
>>>>> was made it was mandated that all the older sets will also work with
>>>>> it. when we switched from B&W to Color. It was federal mandate that
>>>>> the new format of color signal can still be watched with no changes in
>>>>> existing sets.
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>>>>> not this time. the government doesn't care, they want to sell off the
>>>>> spectrum and make some mone7y.
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>>>>>> Just so you don't think I'm just a bleeding heart, I am very
>>>>>> conservative. I do care about my neighbors, though.
>>>>>>
>>>>>> Steve/WM5Z
>>>>>> Just because you say I'm paranoid doesn't mean they aren't watching us.
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>>>>>> David Lewis wrote:
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>>>>>>> Hi Steve,
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>>>>>>> However,each household is eligible for two $40 coupons,to be used
>>>>>>> to buy converter boxes.I'll bet that there will be a lot of confusion
>>>>>>> when the changeover takes place.DTV seems better quality,but I can't
>>>>>>> say if it will be a hardship on some of the lower income folks.
>>>>>>> 73,David n5sjs
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>>>>>>>>> You know, I have to stir the pot. Why are the broadcasters required to
>>>>>>>>> make this change?
>>>>>>>>>
>>>>>>>>> Seems to me, this really isn't in the best interest to the consumer, as
>>>>>>>>> far as poor people go. Middle class American's probably buy TV's fairly
>>>>>>>>> often, but the poor at the bottom of the economic scale are being
>>>>>>>>> penalized.
>>>>>>>>>
>>>>>>>>> What about those people when we need to alert them, like for a tornado
>>>>>>>>> or hurricane warning, and we've taken away their TV?
>>>>>>>>>
>>>>>>>>> Sure, I guess they can buy a convertor, but then again, why should they
>>>>>>>>> have to buy anything?
>>>>>>>>>
>>>>>>>>> Someone explain to me please?
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>>>>>>>>> Steve/WM5Z
>>>>>>>>> Just because you say I'm paranoid doesn't mean they aren't watching us.
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>>>>>>>>> Chris wrote:
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>>>>>>>>>> The answer is yes, both VHF and UHF will be used.
>>>>>>>>>>
>>>>>>>>>> Check here for your local allocations and plan.
>>>>>>>>>>
>>>>>>>>>> http://www.fcc.gov/fcc-bin/audio/tvq.html is a search engine
>>>>>>>>>>
>>>>>>>>>> http://www.fcc.gov/oet/dtv/start/dtv2-69all.txt is a plain text list
>>>>>>>>>>
>>>>>>>>>> Lot of information on google about this, lot of misconceptions.
>>>>>>>>>>
>>>>>>>>>> Until the transition, a lot of the DTV transmissions are on temporary
>>>>>>>>>> frequencies and also operating at vastly reduced power for testing.
>>>>>>>>>> After the transition date, they will increase to full broadcast power.
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>>>>>>>>>> On Sat, Dec 6, 2008 at 4:28 PM, Chuck Schultz <wq5b@...> wrote:
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>>>>>>>>>>>> I wonder if this may differ by regions. I understood that there
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>>>>>>>> channel 4 . I
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>>>>>>>>>>> suppose time will tell. Chuck Wq5B
>>>>>>>>>>>
>>>>>>>>>>> ----- Original Message -----
>>>>>>>>>>> From: Joe
>>>>>>>>>>> To: ham-antennas@yahoogroups.com
>>>>>>>>>>> Sent: Saturday, December 06, 2008 2:53 PM
>>>>>>>>>>> Subject: Re: [ham-antennas] Pre Amp
>>>>>>>>>>>
>>>>>>>>>>> No, I'd wager 90% or more will be moving.
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>>>>>>>>>>> Any that are on ch 7 or less will absolutely be gone to UHF, and
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>>>>>>>>>>> 13 most will also be moving, some may stay but not many . easily 90%
>>>>>>>>>>> will be UHF,,
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>>>>>>>>>>> Joe
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>>>>>>>>>>> Jim Coon wrote:
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>>>>>>>>>>> I thought they were not changing frequency, they were just
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7144. 1/4 wave sloper question

Yahoo group: ham-antennas (2008)
Date: 2008-12-08 03:15:33 UTC
From: va1jgn
Topic: 7144 Message: 7144

Hi All

I have posted on here prevously in relation to the sloper and received some very helpful responses. Running some radials along the ground did help with tuning.

I am currently using the sloper with very low power 5-10 watts only. As I described in my previuos posts the sloper is attached to the side of the house. My concern is that the house has aluminum siding and the downlead droping from the sloper runs down along the side of the aluminum siding. There is only about a 1 foot seperation between the siding and downlead.

My question is would it be safe to turn up the power a bit more to say 40 watts for some PSK qso's. I am not sure with the 1 foot seperation if a fire hazzard to the house would be possiable. I would love to make a dx qso but do not want to smell smoke coming from the walls :)

Any comments on the possiable hazzards of turning up the power a bit would be appreciated. Thanks

7145. Re:New file uploaded to ham-antennas

Yahoo group: ham-antennas (2008)
Date: 2008-12-08 03:23:00 UTC
From: catboat15@aol.com
Topic: 394 Message: 7145

Not much to do about antennas, but a beautiful shot of the moon, Jupiter and Venus along with the bridge lights.

We spend a long time in our yard admiring the sight in the sky. One neighbor wanted me to get out the eight inch newton reflector, but I was able to convince them that would spoil the view. (did promise to set up the scope some other time to peek at planets and a few of the objects in Orion.)

**********Stay in touch with ALL of your friends: update your AIM, Bebo, Facebook, and MySpace pages with just one click. The NEW AOL.com. (http://www.aol.com/?optin=new-dp&icid=aolcom40vanity&ncid=emlcntaolcom00000012)

[Non-text portions of this message have been removed]

7146. Re:Preamps

Yahoo group: ham-antennas (2008)
Date: 2008-12-08 03:30:45 UTC
From: David Lewis
Topic: 7146 Message: 7146

A couple of things here.The subscribers to cable and satellite services will not require a converter box,as I understand it.Some low power tv stations will not have to convert until 2011 also. This was started by the Clinton administration to generate revenue (and was likely pushed by the tv manufactoring industry as well). Motorola and many other companies were chomping at the bits to get the frequencies as well.This was in better times and I'm sure they thought the public would go for it more than they have.
73,David

7147. Re: [ham-antennas] 1/4 wave sloper question

Yahoo group: ham-antennas (2008)
Date: 2008-12-08 03:36:29 UTC
From: W8OKN Sean
Topic: 7144 Message: 7147

Safety is paramount. Certainly.

But I had a similar setup once, and my coax was attached to the house. That was one of the best antennas I ever had.

W8OKN

----- Original Message -----
From: va1jgn
To: ham-antennas@yahoogroups.com
Sent: Sunday, December 07, 2008 10:15 PM
Subject: [ham-antennas] 1/4 wave sloper question

Hi All

I have posted on here prevously in relation to the sloper and received some very helpful responses. Running some radials along the ground did help with tuning.

I am currently using the sloper with very low power 5-10 watts only. As I described in my previuos posts the sloper is attached to the side of the house. My concern is that the house has aluminum siding and the downlead droping from the sloper runs down along the side of the aluminum siding. There is only about a 1 foot seperation between the siding and downlead.

My question is would it be safe to turn up the power a bit more to say 40 watts for some PSK qso's. I am not sure with the 1 foot seperation if a fire hazzard to the house would be possiable. I would love to make a dx qso but do not want to smell smoke coming from the walls :)

Any comments on the possiable hazzards of turning up the power a bit would be appreciated. Thanks

---

No virus found in this incoming message.
Checked by AVG - http://www.avg.com
Version: 8.0.176 / Virus Database: 270.9.15/1835 - Release Date: 12/7/2008 4:56 PM

[Non-text portions of this message have been removed]

7148. Re: [ham-antennas] Off Topic. Re:Preamps

Yahoo group: ham-antennas (2008)
Date: 2008-12-08 05:24:38 UTC
From: Steve Friis
Topic: 7146 Message: 7148

OK, that is what I was wanting someone to pin down.

Now we have another bunch of them in the white house. Guess they will bo able to do more social damage.

OK, just so you don't think I was trying to set up anyone here, I was in broadcast, as an engineer for FM stations, and I guess it never occurred to me what was going on. I got out of broadcast about 12 years ago when I left the station I worked for in Albuquerque. I really feel blindsided as I am sure those friends and neighbors near by here felt also. I guess the only thing we can do now is live with it. But it sure is a bunch of crap dumped on the bottom rung of the social structure. These are the very people who want to govern the medical. No wonder they are trying so hard to nullify the 2nd Amendment.

Steve/WM5Z
Just because you say I'm paranoid doesn't mean they aren't watching us.

David Lewis wrote:
> A couple of things here.The subscribers to cable and satellite
> services will not require a converter box,as I understand it.Some
> low power tv stations will not have to convert until 2011 also.
> This was started by the Clinton administration to generate revenue
> (and was likely pushed by the tv manufactoring industry as well).
> Motorola and many other companies were chomping at the bits to get
> the frequencies as well.This was in better times and I'm sure they
> thought the public would go for it more than they have.
> 73,David
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7149. RE: [ham-antennas] Pre Amp

Yahoo group: ham-antennas (2008)
Date: 2008-12-08 07:35:36 UTC
From: Callum M0MCX
Topic: 7109 Message: 7149

I can☐t understand your question. Are you only trying to minimise TVI..?

(Be aware that it's not just US amateurs that contribute here).

Callum McCormick
http://www.m0mcx.co.uk/

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Joe
Sent: 06 December 2008 16:28
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Pre Amp

I know this is a little off subject of "Ham Antennas"
but i thought who would know better than these guys.

Ok, we all know all about the TV digital conversion coming shortly. Andn
I'm way out in the boonies of Southwest Wisconsin. Closest TV station
is 60+ miles away. over rough terrain.. Well rough for there in the
mid west, 400 foot hills,, and valleys. so in no possible way are the
stations quote un quote "Line Of Sight"

So it too BIG antennas, and BIG highest gain possible pre amps to get a
decent signal.

Ok after the conversion all the local stations will be UHF freqs now.

So I'm thinking of then taking down the giant VHF antenna,, it won't be
doing anything anyway,, except open doors to TVI for the pre amp true?

Ok this is a older pre amp coax output 75 Ohm coax

the inputs are seperate VHF UHF, and both are 300 Ohm twin lead.

Ok, whats everyone suggest to minimize TVI, cant afford to go out and
buy a just UHF amp, so was thinking of terminating the VHF input.

Thinking something as simple as a 300 ohm carbon resistor across the
terminals? Dead short may be a problem? don't know, I know they make
75 ohm loads, but this is 300, whats everyone think is the best to do
to make the best chance of reducing TVI?

Joer WB9SBD

7150. Re: Pre Amp

Yahoo group: ham-antennas (2008)
Date: 2008-12-08 13:54:59 UTC
From: k9arm
Topic: 7109 Message: 7150

Joe, a correction from my previous post - FOX WMSN Madison is moving from ch 47 analog to ch 11 digital. It's the only VHF in the Madison market.

Andy K9ARM

>
> here is Madisons summary,
> 3 to 50
> 15 to 19
> 21 to 20
> 27 to 26
> 57 to 32
>
> L ACROOSE IS,
> 13 TO 39
> 31 TO 30
> 8 TO 41
> 25 TO 17
> 18 TO 15
> 19 TO 14
>

7151. Re: [ham-antennas] Off Topic. Re:Preamps

Yahoo group: ham-antennas (2008)
Date: 2008-12-08 14:24:19 UTC
From: Jim Coon
Topic: 7146 Message: 7151

Huh?

On Mon, Dec 8, 2008 at 12:24 AM, Steve Friis <wm5z@...> wrote:

> OK, that is what I was wanting someone to pin down.
>
> Now we have another bunch of them in the white house. Guess they will bo
> able to do more social damage.
>
> OK, just so you don't think I was trying to set up anyone here, I was in
> broadcast, as an engineer for FM stations, and I guess it never occurred
> to me what was going on. I got out of broadcast about 12 years ago when
> I left the station I worked for in Albuquerque. I really feel blindsided
> as I am sure those friends and neighbors near by here felt also. I guess
> the only thing we can do now is live with it. But it sure is a bunch of
> crap dumped on the bottom rung of the social structure. These are the
> very people who want to govern the medical. No wonder they are trying so
> hard to nullify the 2nd Amendment.
>
> Steve/WM5Z
> Just because you say I'm paranoid doesn't mean they aren't watching us.
>
> David Lewis wrote:
> > A couple of things here.The subscribers to cable and satellite
> > services will not require a converter box,as I understand it.Some
> > low power tv stations will not have to convert until 2011 also.
> > This was started by the Clinton administration to generate revenue
> > (and was likely pushed by the tv manufactoring industry as well).
> > Motorola and many other companies were chomping at the bits to get
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> > 73,David
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Jim

[Non-text portions of this message have been removed]

7152. Re: [ham-antennas] 1/4 wave sloper question

Yahoo group: ham-antennas (2008)
Date: 2008-12-08 14:27:53 UTC
From: Jim Coon
Topic: 7144 Message: 7152

There will be no problem with 1 foot separation. Here is a table for minimum approach distances for power equipment

http://www.highvoltageinfo.com/2008/04/alternating-current-minimum-approach.html

On Sun, Dec 7, 2008 at 10:15 PM, va1jgn <va1jgn@...> wrote:

> Hi All
>
> I have posted on here prevously in relation to the sloper and
> received some very helpful responses. Running some radials along the
> ground did help with tuning.
>
> I am currently using the sloper with very low power 5-10 watts only.
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> side of the house. My concern is that the house has aluminum siding
> and the downlead droping from the sloper runs down along the side of
> the aluminum siding. There is only about a 1 foot seperation between
> the siding and downlead.
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> My question is would it be safe to turn up the power a bit more to
> say 40 watts for some PSK qso's. I am not sure with the 1 foot
> seperation if a fire hazzard to the house would be possiable. I would
> love to make a dx qso but do not want to smell smoke coming from the
> walls :)
>
> Any comments on the possiable hazzards of turning up the power a bit
> would be appreciated. Thanks
>
>
>

--
Jim

[Non-text portions of this message have been removed]

7153. RE: [ham-antennas] Digest Number 1212

Yahoo group: ham-antennas (2008)
Date: 2008-12-09 01:37:37 UTC
From: Chris Boone
Topic: 7153 Message: 7153

Sonmeone needs to get a life and learn the real story...HDTV is a result of Former FCC Chairman Reed Hundt (Rep)....
It was due to him ramrodding it through the FCC before he left is why we have it....lucky it was digital and not hybrid. It's happening, it works, it's real, so stop the bellyaching.....(and accept it)....Once DTV was a working thing, they realized they could say goodbye to the 700MHz band for DHS use, etc (and THAT was decided by a REP controlled FCC!)...
Hence channels 51-69 are gone soon.....(60-69 are gone as of 2/17/2009...the lower channels later on, even LPTVs).
Damn you people are so bassackwards...thought this was the ANTENNA list, not a political list (and a poorly informed one in that)...I came here for the ANTENNA talk....not to see all this political OT BS posted...Funny I don't see anything about the 2nd Amendment in all this.

Chris
WB5ITT
Society Of Broadcast Engineers Freq Coordinator SE TX and SW La
Broadcast and Telecom engineer for 30+ years

I'm finished seeing this topic...now can we get back to ANTENNAS????

-----Original Message-----
From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Monday, December 08, 2008 7:17 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Digest Number 1212

There are 2 messages in this issue.

Topics in this digest:

1a. Re: Off Topic. Re:Preamps
From: Steve Friis

2.1. Re: Pre Amp
From: Callum M0MCX

Messages

1a. Re: Off Topic. Re:Preamps
Posted by: "Steve Friis" wm5z@... sfriis2002
Date: Sun Dec 7, 2008 9:24 pm ((PST))

OK, that is what I was wanting someone to pin down.

Now we have another bunch of them in the white house. Guess they will bo able to do more social damage.

OK, just so you don't think I was trying to set up anyone here, I was in broadcast, as an engineer for FM stations, and I guess it never occurred to me what was going on. I got out of broadcast about 12 years ago when I left the station I worked for in Albuquerque. I really feel blindsided as I am sure those friends and neighbors near by here felt also. I guess the only thing we can do now is live with it. But it sure is a bunch of crap dumped on the bottom rung of the social structure. These are the very people who want to govern the medical. No wonder they are trying so hard to nullify the 2nd Amendment.

Steve/WM5Z
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David Lewis wrote:
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Messages in this topic (2)

2.1. Re: Pre Amp
Posted by: "Callum M0MCX" callum@... callum_m0mcx
Date: Sun Dec 7, 2008 11:36 pm ((PST))

I can't understand your question. Are you only trying to minimise TVI..?

(Be aware that it's not just US amateurs that contribute here).

Callum McCormick
http://www.m0mcx.co.uk/

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Joe
Sent: 06 December 2008 16:28
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Pre Amp

I know this is a little off subject of "Ham Antennas"
but i thought who would know better than these guys.

Ok, we all know all about the TV digital conversion coming shortly. Andn I'm way out in the boonies of Southwest Wisconsin. Closest TV station is 60+ miles away. over rough terrain.. Well rough for there in the mid west, 400 foot hills,, and valleys. so in no possible way are the stations quote un quote "Line Of Sight"

So it too BIG antennas, and BIG highest gain possible pre amps to get a decent signal.

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the inputs are seperate VHF UHF, and both are 300 Ohm twin lead.

Ok, whats everyone suggest to minimize TVI, cant afford to go out and buy a just UHF amp, so was thinking of terminating the VHF input.

Thinking something as simple as a 300 ohm carbon resistor across the terminals? Dead short may be a problem? don't know, I know they make 75 ohm loads, but this is 300, whats everyone think is the best to do to make the best chance of reducing TVI?

Joer WB9SBD

Messages in this topic (29)

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7154. Re: [ham-antennas] Digest Number 1212

Yahoo group: ham-antennas (2008)
Date: 2008-12-09 01:56:02 UTC
From: BARRY GRAHAM KEMP
Topic: 7153 Message: 7154

I agree and thank you. Take the dialogue to Myspace and Youtube etc.
Antennas /radio propagation are far more interesting.
Barry G. Kemp
KI6PNB
N. California
U.S.A.

On Mon, Dec 8, 2008 at 5:37 PM, Chris Boone <cboone@...> wrote:

> Sonmeone needs to get a life and learn the real story...HDTV is a result
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> Former FCC Chairman Reed Hundt (Rep)....
> It was due to him ramrodding it through the FCC before he left is why we
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> DHS use, etc (and THAT was decided by a REP controlled FCC!)...
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> From: Steve Friis

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> From: Callum M0MCX
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> Messages
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> I left the station I worked for in Albuquerque. I really feel blindsided
> as I am sure those friends and neighbors near by here felt also. I guess
> the only thing we can do now is live with it. But it sure is a bunch of
> crap dumped on the bottom rung of the social structure. These are the
> very people who want to govern the medical. No wonder they are trying so
> hard to nullify the 2nd Amendment.
>
> Steve/WM5Z
> Just because you say I'm paranoid doesn't mean they aren't watching us.
>
> David Lewis wrote:
> > A couple of things here.The subscribers to cable and satellite
> > services will not require a converter box,as I understand it.Some
> > low power tv stations will not have to convert until 2011 also.
> > This was started by the Clinton administration to generate revenue
> > (and was likely pushed by the tv manufactoring industry as well).
> > Motorola and many other companies were chomping at the bits to get
> > the frequencies as well.This was in better times and I'm sure they
> > thought the public would go for it more than they have.
> > 73,David
> >
> >
> > ----------
> >
> > HAM ANTENNAS Anything and everything, tell us or ask questions. Replies
> go
> to ALL 1446 members (as of 9/26/08, and attachments are NOT permitted.
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ham-antennas-unsubscribe@yahoogroups.com<ham-antennas-unsubscribe%40yahoogroups.com>

> > List owner: ham-antennas-owner@yahoogroups.com<ham-antennas-owner%40yahoogroups.com>
> > Yahoo! Groups Links
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>
> Messages in this topic (2)
> _____
> _____
> 2.1. Re: Pre Amp
> Posted by: "Callum M0MCX" callum@...<callum%40mccormick.uk.com>callum_m0mcx
> Date: Sun Dec 7, 2008 11:36 pm ((PST))
>
> I can't understand your question. Are you only trying to minimise TVI..?
>
> (Be aware that it's not just US amateurs that contribute here).
>
> Callum McCormick
> http://www.m0mcx.co.uk/
>
> From: ham-antennas@yahoogroups.com <ham-antennas%40yahoogroups.com>[mailto:
> ham-antennas@yahoogroups.com <ham-antennas%40yahoogroups.com>] On
> Behalf Of Joe
> Sent: 06 December 2008 16:28
> To: ham-antennas@yahoogroups.com <ham-antennas%40yahoogroups.com>
> Subject: [ham-antennas] Pre Amp
>
> I know this is a little off subject of "Ham Antennas"
> but i thought who would know better than these guys.
>
> Ok, we all know all about the TV digital conversion coming shortly. Andn
> I'm way out in the boonies of Southwest Wisconsin. Closest TV station
> is 60+ miles away. over rough terrain.. Well rough for there in the
> mid west, 400 foot hills,, and valleys. so in no possible way are the
> stations quote un quote "Line Of Sight"
>
> So it too BIG antennas, and BIG highest gain possible pre amps to get a
> decent signal.
>
> Ok after the conversion all the local stations will be UHF freqs now.
>
> So I'm thinking of then taking down the giant VHF antenna,, it won't be
> doing anything anyway,, except open doors to TVI for the pre amp true?
>
> Ok this is a older pre amp coax output 75 Ohm coax
>
> the inputs are seperate VHF UHF, and both are 300 Ohm twin lead.
>

> Ok, whats everyone suggest to minimize TVI, cant afford to go out and
> buy a just UHF amp, so was thinking of terminating the VHF input.
>
> Thinking something as simple as a 300 ohm carbon resistor across the
> terminals? Dead short may be a problem? don't know, I know they make
> 75 ohm loads, but this is 300, whats everyone think is the best to do
> to make the best chance of reducing TVI?
>
> Joer WB9SBD
>
>
> Messages in this topic (29)
>
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>
> ---
> Yahoo! Groups Links
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[Non-text portions of this message have been removed]

7155. folding yagi plans for 2 meters?

Yahoo group: ham-antennas (2008)
Date: 2008-12-09 04:26:26 UTC
From: Skip Taylor
Topic: 7155 Message: 7155

Does anyone know of any plans for a fairly sturdy folding yagi for 2 meters? Basically it's for emergency use to hit a repeater about 60 miles away when needed.

Any ideas appreciated.
Skip KI6GKS

[Non-text portions of this message have been removed]

7156. Re: [ham-antennas] folding yagi plans for 2 meters?

Yahoo group: ham-antennas (2008)
Date: 2008-12-09 04:31:23 UTC
From: jojo@vicencio.net
Topic: 7155 Message: 7156

The antenna section of www.hamuniverse.com have some 2-meter yagis, though I am nt sure if any of them are foldable. If hitting a repeater is the priority they have some J-poles and other stowable antennas that might do the job.

Arrows antenna have one available where the boom is in three pieces. It is a 4-element yagi.

73,

jojo
Roberto "Jojo" Vicencio USN(Retired)

(DV1VHY ex-dw1olv)

Mobile +639178501759

VOIP +1-616-928-1134

http://www.vicencio.net

http://picasaweb.google.com/mob3mc

http://www.dw1olv.multiply.com

https://sites.google.com/site/militaryretireesoverseas/

http://mrgrg-ms.org/ad-swindle-00.html

--- On Tue, 12/9/08, Skip Taylor <ki6gks@gmail.com> wrote:
From: Skip Taylor <ki6gks@...>
Subject: [ham-antennas] folding yagi plans for 2 meters?
To: ham-antennas@yahoogroups.com
Date: Tuesday, December 9, 2008, 12:26 PM

Does anyone know of any plans for a fairly sturdy folding yagi for 2

meters? Basically it's for emergency use to hit a repeater about 60 miles

away when needed.

Any ideas appreciated.

Skip KI6GKS

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

7157. Re: [ham-antennas] folding yagi plans for 2 meters?

Yahoo group: ham-antennas (2008)
Date: 2008-12-09 06:15:35 UTC
From: Steve Friis
Topic: 7155 Message: 7157

You might take a look at the MFJ-1763.

Steve/WM5Z
Just because you say I'm paranoid doesn't mean they aren't watching us.

Skip Taylor wrote:
> Does anyone know of any plans for a fairly sturdy folding yagi for 2
> meters? Basically it's for emergency use to hit a repeater about 60 miles
> away when needed.
>
> Any ideas appreciated.
> Skip KI6GKS
>
>
> [Non-text portions of this message have been removed]
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7158. Re: [ham-antennas] folding yagi plans for 2 meters?

Yahoo group: ham-antennas (2008)
Date: 2008-12-09 07:08:09 UTC
From: Skip Taylor
Topic: 7155 Message: 7158

Thanks Jojo.

We've tried J-poles to get to the repeater. They just don't have the "oomph" needed that's why I thought of Yagi's. It's something we'll probably have to build as funds are limited (have to make 4 of them).

Regards,
Skip

On Mon, Dec 8, 2008 at 8:31 PM, <jojo@...> wrote:

>
> The antenna section of www.hamuniverse.com have some 2-meter yagis, though
> I am nt sure if any of them are foldable. If hitting a repeater is the
> priority they have some J-poles and other stowable antennas that might do
> the job.
>
> Arrows antenna have one available where the boom is in three pieces. It is
> a 4-element yagi.
>
>
> 73,
>
> jojo
> Roberto "Jojo" Vicencio USN(Retired)
>
> (DV1VHY ex-dw1olv)
>
> Mobile +639178501759
>
> VOIP +1-616-928-1134
>
> http://www.vicencio.net
>
> http://picasaweb.google.com/mob3mc
>
> http://www.dw1olv.multiply.com
>
> https://sites.google.com/site/militaryretireesoverseas/
>
> http://mrgrg-ms.org/ad-swindle-00.html
>
> --- On Tue, 12/9/08, Skip Taylor <ki6gks@...> wrote:
> From: Skip Taylor <ki6gks@...>
> Subject: [ham-antennas] folding yagi plans for 2 meters?
> To: ham-antennas@yahoogroups.com

> Date: Tuesday, December 9, 2008, 12:26 PM
>
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>
> Does anyone know of any plans for a fairly sturdy folding yagi
> for 2
>
> meters? Basically it's for emergency use to hit a repeater about 60 miles
>
> away when needed.
>
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>
> Any ideas appreciated.
>
> Skip KI6GKS
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[Non-text portions of this message have been removed]

7159. RE: [ham-antennas] folding yagi plans for 2 meters?

Yahoo group: ham-antennas (2008)
Date: 2008-12-09 10:58:06 UTC
From: Callum m0mcx
Topic: 7155 Message: 7159

Skip, can this be any yagi design - or must it be a folded type..?

I have some plans here that can upscale / downscale to 2m band.

Callum McCormick

http://www.m0mcx.co.uk/

If I build it, you might hear me.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Skip Taylor
Sent: 09 December 2008 04:26
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] folding yagi plans for 2 meters?

Does anyone know of any plans for a fairly sturdy folding yagi for 2 meters? Basically it's for emergency use to hit a repeater about 60 miles away when needed.

Any ideas appreciated.
Skip KI6GKS

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

7160. RE: [ham-antennas] folding yagi plans for 2 meters?

Yahoo group: ham-antennas (2008)
Date: 2008-12-09 13:55:22 UTC
From: Richard Schmuke
Topic: 7155 Message: 7160

Subject: [ham-antennas] folding yagi plans for 2 meters?

I needed a small beam to hit a distant ham in our club. I made one from a used TV antenna. Removed the UHF section , trimmed the remaining elements as required and a short piece of an element made a good gama match. That way the center of the coax just ran into the tube to form a capacitor. It is □foldable□ because they are shipped folded. You need to change the □X□ cross wires so it is no longer a log periodic style. Most are alum wire and easy to shorten and run to the nearby element thus making it a yagi style.

Rich , KDØZZ

Disclaimer: Any errors in spelling or facts are transmission errors.

Does anyone know of any plans for a fairly sturdy folding yagi for 2 meters? Basically it's for emergency use to hit a repeater about 60 miles away when needed.

Any ideas appreciated.
Skip KI6GKS

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

7161. Re: folding yagi plans for 2 meters?

Yahoo group: ham-antennas (2008)
Date: 2008-12-09 14:41:15 UTC
From: n1kfc
Topic: 7155 Message: 7161

Hi Skip,

The arrow antenna works well. Here is the link:
http://www.arrowantennas.com/

M2 makes some good antennas:
http://www.m2inc.com/index2.html

Also, have you considered building a small quad rather than a yagi?
Thunderbolt made a cubical quad for 2m that was easily set up in less
than 5 minutes but I think they have discontinued operations.

There are a number of plans around for portable quads and yagis. Here
is an example titled "A Portable Quad for 2 Meters":
http://www.arrl.org/tis/info/pdf/8009026.pdf

Good luck!

73,
Mark
N1KFC

--- In ham-antennas@yahoogroups.com, "Skip Taylor" <ki6gks@...> wrote:
>
> Does anyone know of any plans for a fairly sturdy folding yagi for 2
> meters? Basically it's for emergency use to hit a repeater about 60
miles
> away when needed.
>
> Any ideas appreciated.
> Skip KI6GKS
>
>
> [Non-text portions of this message have been removed]
>

7162. folding yagi plans for 2 meters?

Yahoo group: ham-antennas (2008)
Date: 2008-12-09 14:47:32 UTC
From: n1kfc
Topic: 7155 Message: 7162

Hi Skip,

Here are some plans for a very portable, easy to construct low cost 2m yagi:

http://www.qsl.net/dj2qv/style/tapeyagi.pdf

73,
Mark
N1KFC

7163. Hy gain 52ss tower base

Yahoo group: ham-antennas (2008)
Date: 2008-12-09 16:45:20 UTC
From: Tom
Topic: 7163 Message: 7163

Since Hygain is out of the tower business now has anyone found someone that can make the base up with the prints?

Thanks
NB2A
Tom

7164. Re: [ham-antennas] folding yagi plans for 2 meters?

Yahoo group: ham-antennas (2008)
Date: 2008-12-09 18:00:51 UTC
From: dave@zievid.com
Topic: 7155 Message: 7164

Hi Skip -

I have a page with photos and info about a 3 element portable beam I built at:

http://www.zievid.com/W6OT/RFI/Antenna.htm

This was built for 135mhz for RFI direction finding. It pairs with an HT set to the AM aircraft band and is used to track down noise sources. It can be taken apart and bundled for transport in a few minutes.

I think the original designs I based it on were for 2m, but they are all pretty easy to scale. The feed is very simple - just screws into the tubing elements, which are supported by a fiberglass rod.

It's not particularly light, but it works - one of our club members found a noisy pole across the street in a few minutes with it.

Hope this helps,

- Dave
W6OT

> Thanks Jojo.
>
> We've tried J-poles to get to the repeater. They just don't have the
> "oomph"
> needed that's why I thought of Yagi's. It's something we'll probably have
> to build as funds are limited (have to make 4 of them).
>
> Regards,
> Skip
>
> On Mon, Dec 8, 2008 at 8:31 PM, <jojo@...> wrote:
>
>>
>> The antenna section of www.hamuniverse.com have some 2-meter yagis,
>> though
>> I am nt sure if any of them are foldable. If hitting a repeater is the
>> priority they have some J-poles and other stowable antennas that might
>> do
>> the job.
>>
>> Arrows antenna have one available where the boom is in three pieces. It
>> is
>> a 4-element yagi.
>>

>>
>> 73,
>>
>> jojo
>> Roberto "Jojo" Vicencio USN(Retired)
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>> http://www.dw1olv.multiply.com
>>
>> https://sites.google.com/site/militaryretireesoverseas/
>>
>> http://mrgrg-ms.org/ad-swindle-00.html
>>
>> --- On Tue, 12/9/08, Skip Taylor <ki6gks@...> wrote:
>> From: Skip Taylor <ki6gks@...>
>> Subject: [ham-antennas] folding yagi plans for 2 meters?
>> To: ham-antennas@yahoogroups.com
>> Date: Tuesday, December 9, 2008, 12:26 PM
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>> Does anyone know of any plans for a fairly sturdy folding
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>> Any ideas appreciated.

>>
>> Skip KI6GKS
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7165. Re: [ham-antennas] folding yagi plans for 2 meters?

Yahoo group: ham-antennas (2008)
Date: 2008-12-09 18:21:55 UTC
From: Skip Taylor
Topic: 7155 Message: 7165

I had focused on a folded type to try to limit space taken up. If there's a way it can be disassembled/reassembled easily then I think it could work as well.

Skip

On Tue, Dec 9, 2008 at 2:58 AM, Callum m0mcx <callum@...>wrote:

> Skip, can this be any yagi design - or must it be a folded type..?
>
>
>
> I have some plans here that can upscale / downscale to 2m band.
>
>
>
> Callum McCormick
>
> http://www.m0mcx.co.uk/
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>
>
> If I build it, you might hear me.
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>
> From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> On
> Behalf Of Skip Taylor
> Sent: 09 December 2008 04:26
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] folding yagi plans for 2 meters?
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>
> Does anyone know of any plans for a fairly sturdy folding yagi for 2
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> Skip KI6GKS
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[Non-text portions of this message have been removed]

7166. Re: [ham-antennas] folding yagi plans for 2 meters?

Yahoo group: ham-antennas (2008)
Date: 2008-12-09 18:24:41 UTC
From: Skip Taylor
Topic: 7155 Message: 7166

Thank you all for your input. I have a LOT of reading to do now!

73 de Skip KI6GKS

[Non-text portions of this message have been removed]

7167. Using a 102" Whip with a tuner?

Yahoo group: ham-antennas (2008)
Date: 2008-12-09 18:56:59 UTC
From: visualco2
Topic: 7167 Message: 7167

Does anyone in this forum use a 102" whip with a tuner?. I'm using an RS ball mount with a 54" Hustler mast and coil. I get out pretty good, but I don't like the fact of changing coils when band switching.
Thanks N1UVW

7168. Re: [ham-antennas] Using a 102" Whip with a tuner?

Yahoo group: ham-antennas (2008)
Date: 2008-12-09 19:19:12 UTC
From: Chris
Topic: 7167 Message: 7168

20m and up in frequency it works o.k. I run an SGC 237 on a jeep Wrangler unlimited in this configuration. Below 20m it is a dummy load.

40m if I put a 36" mast section under the whip, I can make more contacts but have to tie the whip down if I am mobile at all.

Large coils are needed to be efficient 40m and below.

The tuner loads up down to 80m with the whip but if there is 1W ERP with 100W input, I would be surprised.

If you are serious about your mobile signal, a bug catcher or a full sized screwdriver and an amp are the right way albeit $$$$ to go.

Give http://www.k0bg.com a good long and careful read.

-----Original Message-----
From: "visualco2" <visualco2@...>

Date: Tue, 09 Dec 2008 18:56:59
To: <ham-antennas@yahoogroups.com>
Subject: [ham-antennas] Using a 102" Whip with a tuner?

Does anyone in this forum use a 102" whip with a tuner?. I'm using an
RS ball mount with a 54" Hustler mast and coil. I get out pretty good,
but I don't like the fact of changing coils when band switching.
Thanks N1UVW

[Non-text portions of this message have been removed]

7169. Re: [ham-antennas] Using a 102" Whip with a tuner?

Yahoo group: ham-antennas (2008)
Date: 2008-12-09 19:27:37 UTC
From: Leonard K. Pennock
Topic: 7167 Message: 7169

I would agree with Chris with the addition that hamsticks for 75 and 40 work much better than using the whip even when using the tuner to extend their bandwidth.

Chris wrote:
> 20m and up in frequency it works o.k. I run an SGC 237 on a jeep Wrangler unlimited in this configuration. Below 20m it is a dummy load.
>
> 40m if I put a 36" mast section under the whip, I can make more contacts but have to tie the whip down if I am mobile at all.
>
> Large coils are needed to be efficient 40m and below.
>
> The tuner loads up down to 80m with the whip but if there is 1W ERP with 100W input, I would be surprised.
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> If you are serious about your mobile signal, a bug catcher or a full sized screwdriver and an amp are the right way albeit $$$$ to go.
>
> Give http://www.k0bg.com a good long and careful read.
>
> -----Original Message-----
> From: "visualco2" <visualco2@...>
>
> Date: Tue, 09 Dec 2008 18:56:59
> To: <ham-antennas@yahoogroups.com>
> Subject: [ham-antennas] Using a 102" Whip with a tuner?
>
>
> Does anyone in this forum use a 102" whip with a tuner?. I'm using an
> RS ball mount with a 54" Hustler mast and coil. I get out pretty good,
> but I don't like the fact of changing coils when band switching.
> Thanks N1UVW
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>
>

--
Leonard K. Pennock
AD7AS

Those who walk bravely through life, unafraid of loss or failure,
find that they very rarely lose or fail.

7170. Re: [ham-antennas] folding yagi plans for 2 meters?

Yahoo group: ham-antennas (2008)
Date: 2008-12-09 19:34:49 UTC
From: Tom LeBron
Topic: 7155 Message: 7170

Hi, Skip maybe this may help. I had a 2 meter yagi in the attic that I pick up at a ham fest. It's the Diamond A144s5r. This antenna you could take down in a minute. It has wing nuts to hold the elements in place. The only down fall is that it only handled 50 watts FM with a 9.1 dbi. It worked well. I replace it with a Elk 2m/440l5, It's a 5element log. You might want to look into the Elk antenna, it does a great job and it has 2 bands 200 watts with excellent gain.

Good luck and Happy DX
Tom, WZ9L

--- On Tue, 12/9/08, Skip Taylor <ki6gks@...> wrote:

From: Skip Taylor <ki6gks@...>
Subject: [ham-antennas] folding yagi plans for 2 meters?
To: ham-antennas@yahoogroups.com
Date: Tuesday, December 9, 2008, 4:26 AM

Does anyone know of any plans for a fairly sturdy folding yagi for 2 meters? Basically it's for emergency use to hit a repeater about 60 miles away when needed.

Any ideas appreciated.
Skip KI6GKS

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

7171. Re: [ham-antennas] Using a 102" Whip with a tuner?

Yahoo group: ham-antennas (2008)
Date: 2008-12-09 19:42:19 UTC
From: Tom LeBron
Topic: 7167 Message: 7171

Same here, I use a Icom AH4 with a 102" and it works good 20m and up. I have some extensions that I use a 3' extension and a 6' extension. Even with a all the extensions 40m is Good and 80m is fair.
 Good Luck
 Tom,WZ9L

--- On Tue, 12/9/08, Leonard K. Pennock <leonardpennock@...> wrote:

From: Leonard K. Pennock <leonardpennock@...>
Subject: Re: [ham-antennas] Using a 102" Whip with a tuner?
To: ham-antennas@yahoogroups.com
Date: Tuesday, December 9, 2008, 7:27 PM

I would agree with Chris with the addition that hamsticks for 75 and 40
work much better than using the whip even when using the tuner to extend
their bandwidth.

Chris wrote:
> 20m and up in frequency it works o.k. I run an SGC 237 on a jeep Wrangler unlimited in this configuration. Below 20m it is a dummy load.
>
> 40m if I put a 36" mast section under the whip, I can make more contacts but have to tie the whip down if I am mobile at all.
>
> Large coils are needed to be efficient 40m and below.
>
> The tuner loads up down to 80m with the whip but if there is 1W ERP with 100W input, I would be surprised.
>
> If you are serious about your mobile signal, a bug catcher or a full sized screwdriver and an amp are the right way albeit $$$$ to go.
>
> Give http://www.k0bg. com a good long and careful read.
>
> -----Original Message-----
> From: "visualco2" <visualco2@yahoo. com>
>
> Date: Tue, 09 Dec 2008 18:56:59
> To: <ham-antennas@ yahoogroups. com>
> Subject: [ham-antennas] Using a 102" Whip with a tuner?
>
>
> Does anyone in this forum use a 102" whip with a tuner?. I'm using an
> RS ball mount with a 54" Hustler mast and coil. I get out pretty good,
> but I don't like the fact of changing coils when band switching.
> Thanks N1UVW

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>
> [Non-text portions of this message have been removed]
>
>
> ---------- --------- --------- ------
>
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> Unsubscribe: ham-antennas- unsubscribe@ yahoogroups. com
> List owner: ham-antennas- owner@yahoogroup s.com
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>

--
Leonard K. Pennock
AD7AS

Those who walk bravely through life, unafraid of loss or failure,
find that they very rarely lose or fail.

[Non-text portions of this message have been removed]

7172. Re: [ham-antennas] Using a 102" Whip with a tuner?

Yahoo group: ham-antennas (2008)
Date: 2008-12-09 20:02:52 UTC
From: BARRY GRAHAM KEMP
Topic: 7167 Message: 7172

I use a 102" whip cut to 78.5 inches for a base 2 meter antenna and have good reports on signal with FM.Some of my transmissions actually have to go up over the mountain ridge top besidehouse with no problem.
I do not use a tuner with it either.
Barry
KI6PNB
On Tue, Dec 9, 2008 at 10:56 AM, visualco2 <visualco2@...> wrote:

> Does anyone in this forum use a 102" whip with a tuner?. I'm using an
> RS ball mount with a 54" Hustler mast and coil. I get out pretty good,
> but I don't like the fact of changing coils when band switching.
> Thanks N1UVW
>
>
>

[Non-text portions of this message have been removed]

7173. Re: [ham-antennas] Using a 102" Whip with a tuner?

Yahoo group: ham-antennas (2008)
Date: 2008-12-09 21:20:01 UTC
From: Siegfried Jackstien
Topic: 7167 Message: 7173

```
----- Original Message -----
From: visualco2
To: ham-antennas@yahoogroups.com
Sent: Tuesday, December 09, 2008 7:56 PM
Subject: [ham-antennas] Using a 102" Whip with a tuner?

Does anyone in this forum use a 102" whip with a tuner?. I'm using an
RS ball mount with a 54" Hustler mast and coil. I get out pretty good,
but I don't like the fact of changing coils when band switching.
Thanks N1UVW

[Non-text portions of this message have been removed]
```

7174. 102" whip and tuner

Yahoo group: ham-antennas (2008)
Date: 2008-12-09 21:40:36 UTC
From: visualco2
Topic: 7174 Message: 7174

I guess from the input, I should stay with the Hustler, mast and coil. I'd love to get a Screwdriver Ant. but $$ is out of the question right now. Thanks to all.

7175. Re: [ham-antennas] Using a 102" Whip with a tuner?

Yahoo group: ham-antennas (2008)
Date: 2008-12-09 21:44:27 UTC
From: Siegfried Jackstien
Topic: 7167 Message: 7175

dear om
years ago i did a lot of contacts from my car with something like your setup
i had a yaesu fc1000 mobile tuner and a military whip on my car ....
it worked VERY well
when driving i had 2.5m on the mount and when i was standing on a parking place
i could ad some meters to have more gain on the lower bands ...
i liked it very much to resonate that whip with a simple pushing of a button on the tuner
i am sure that other models of mobile tuner will do the same
i took the military whip cause the lowest section of it can screwed in another to make
the antenna as long as you would like
sometimes i had 5.5m on my car while driving! ... bent in a quarter circle to the front..
the tip was about 3.9m from the ground and at the front end of the car
guying with two lines to the mirrors of the car
maybe your wife will be a bit upset but ... what do you want :-)
the tuer could tune the antenna with 2.5m on the topband (160) but with the longer antenna
the signals on the lower bands (160/80/40/30/20) where better
how long your setup has to be depends on the bands you want to use
and what tuner you will take for this ....
some tuner won´t tune a 2.5m whip on topband or on 80m
with some tuners you have to use a helical wound whip to be able to tune
on the lower bands.... see the manuals for the tuners before buying one....
if it says that a short whip will tune from 1.8 to 30 it is okay to buy the tuner
or you have to use the helical whip to mount it on your ballmount
on the last hamfest i saw such a whip for 60 euros brandnew ....
i asked to give me some info for this antenna ...
with most tuner you can use this whip from 1.8 - 30 megs so a real allbandantenna
the builder said that there where abt. 30m of whire on the whip so it will be easy to tune
with any mobile tuner ....
but with a straight steel or aluminium whip not all tuners will do the same job ....
maybe the cheapest way is to buy a used "firestick" cb whip (the very long one) and rewind
it with some more wire .... but you can try out to let it as it is and tune it with the
whip tuner
something to experiment with :-)
good luck
best 73´s de dg9bfc
sigi
----- Original Message -----
From: visualco2
To: ham-antennas@yahoogroups.com
Sent: Tuesday, December 09, 2008 7:56 PM
Subject: [ham-antennas] Using a 102" Whip with a tuner?

Does anyone in this forum use a 102" whip with a tuner?. I'm using an
RS ball mount with a 54" Hustler mast and coil. I get out pretty good,
but I don't like the fact of changing coils when band switching.

Thanks N1UVW

[Non-text portions of this message have been removed]

7176. Re: [ham-antennas] 102" whip and tuner

Yahoo group: ham-antennas (2008)
Date: 2008-12-09 21:56:52 UTC
From: Leonard K. Pennock
Topic: 7174 Message: 7176

Have you consider getting the plate that allows 3 coils on your mast.
Then you won't have to change coils as often since you will have 3 bands.

visualco2 wrote:
> I guess from the input, I should stay with the Hustler, mast and coil.
> I'd love to get a Screwdriver Ant. but $$ is out of the question right
> now. Thanks to all.
>

--
Leonard K. Pennock
AD7AS

Those who walk bravely through life, unafraid of loss or failure,
find that they very rarely lose or fail.

7177. Re: [ham-antennas] folding yagi plans for 2 meters?

Yahoo group: ham-antennas (2008)
Date: 2008-12-09 23:17:51 UTC
From: Steve Friis
Topic: 7155 Message: 7177

I guess you didn't see my post about the MFJ unit? It screws together.
Dis-assembles and you can fit it in a tube or pipe for storage.

Steve/WM5Z
Just because you say I'm paranoid doesn't mean they aren't watching us.

Skip Taylor wrote:
> I had focused on a folded type to try to limit space taken up. If there's a
> way it can be disassembled/reassembled easily then I think it could work as
> well.
>
> Skip
>
> On Tue, Dec 9, 2008 at 2:58 AM, Callum m0mcx <callum@...>wrote:
>
>
>> Skip, can this be any yagi design - or must it be a folded type..?
>>
>>
>>
>> I have some plans here that can upscale / downscale to 2m band.
>>
>>
>>
>> Callum McCormick
>>
>> http://www.m0mcx.co.uk/
>>
>>
>>
>> If I build it, you might hear me.
>>
>>
>>
>> From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
>> On
>> Behalf Of Skip Taylor
>> Sent: 09 December 2008 04:26
>> To: ham-antennas@yahoogroups.com
>> Subject: [ham-antennas] folding yagi plans for 2 meters?
>>
>>
>>
>> Does anyone know of any plans for a fairly sturdy folding yagi for 2
>> meters? Basically it's for emergency use to hit a repeater about 60 miles

>> away when needed.
>>
>> Any ideas appreciated.
>> Skip KI6GKS
>>
>> [Non-text portions of this message have been removed]
>>
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>>
>> [Non-text portions of this message have been removed]
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>> ------------------------------------
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7178. Re: [ham-antennas] 102" whip and tuner

Yahoo group: ham-antennas (2008)
Date: 2008-12-09 23:43:28 UTC
From: Steve Friis
Topic: 7174 Message: 7178

In fact, if you'll pay the postage, I'll mail you one. I used to have a
set of hustlers, but now use a Screwdriver.

Steve/WM5Z
Just because you say I'm paranoid doesn't mean they aren't watching us.

Leonard K. Pennock wrote:
> Have you consider getting the plate that allows 3 coils on your mast.
> Then you won't have to change coils as often since you will have 3 bands.
>
> visualco2 wrote:
>
>> I guess from the input, I should stay with the Hustler, mast and coil.
>> I'd love to get a Screwdriver Ant. but $$ is out of the question right
>> now. Thanks to all.
>>
>>
>
>

7179. Re: [ham-antennas] folding yagi plans for 2 meters?

Yahoo group: ham-antennas (2008)
Date: 2008-12-10 04:53:55 UTC
From: Skip Taylor
Topic: 7155 Message: 7179

Hi Steve,

Yes, I saw that one. The only problem I'm seeing is the price. We are on a pretty limited budget so these will probably be units I have to build instead of purchasing pre-built commercial units.

Though that does look like a nice design MFJ has.

Thanks for the info,
Skip

On Tue, Dec 9, 2008 at 3:17 PM, Steve Friis <wm5z@...> wrote:

> I guess you didn't see my post about the MFJ unit? It screws together.
> Dis-assembles and you can fit it in a tube or pipe for storage.
>
> Steve/WM5Z
> Just because you say I'm paranoid doesn't mean they aren't watching us.
>
>
>
> Skip Taylor wrote:
> > I had focused on a folded type to try to limit space taken up. If
> there's a
> > way it can be disassembled/reassembled easily then I think it could work
> as
> > well.
> >
> > Skip
> >
> > On Tue, Dec 9, 2008 at 2:58 AM, Callum m0mcx <callum@...
> >wrote:
> >
> >
> >> Skip, can this be any yagi design - or must it be a folded type..?
> >>
> >>
> >>
> >> I have some plans here that can upscale / downscale to 2m band.
> >>
> >>
> >>
> >> Callum McCormick
> >>
> >> http://www.m0mcx.co.uk/
> >>

> >>
> >>
> >> If I build it, you might hear me.
> >>
> >>
> >>
> >> From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com
>]
> >> On
> >> Behalf Of Skip Taylor
> >> Sent: 09 December 2008 04:26
> >> To: ham-antennas@yahoogroups.com
> >> Subject: [ham-antennas] folding yagi plans for 2 meters?
> >>
> >>
> >>
> >> Does anyone know of any plans for a fairly sturdy folding yagi for 2
> >> meters? Basically it's for emergency use to hit a repeater about 60
> miles
> >> away when needed.
> >>
> >> Any ideas appreciated.
> >> Skip KI6GKS
>

[Non-text portions of this message have been removed]

7180. Re: [ham-antennas] folding yagi plans for 2 meters?

Yahoo group: ham-antennas (2008)
Date: 2008-12-10 05:37:04 UTC
From: Steve Friis
Topic: 7155 Message: 7180

OK, no problem. I didn't see it go by, so thought maybe it didn't make
the reflector for some reason.

An idea might be to go to your local hardware outlet and see if they
have aluminum box tubing. Then you could get some small copper tubing
for the elements, drill holes in the box tube to install them, and maybe
sheet metal screw for each element to hold it in place. Make a Gama
match for the feed line, and you'd be set. At our local Home Depot and
Lowes, they have 1" square box tubing in 3' lengths. I guess if you
really wanted to get fancy, you could fashion insulators out of PVC pipe
caps and just use a Balun to center feed the Driven Element. You can get
the dimensions from a Google search. There are quite a few designs
published there. Some are really excellent.

Steve/WM5Z
Just because you say I'm paranoid doesn't mean they aren't watching us.

Skip Taylor wrote:
> Hi Steve,
>
> Yes, I saw that one. The only problem I'm seeing is the price. We are on a
> pretty limited budget so these will probably be units I have to build
> instead of purchasing pre-built commercial units.
>
> Though that does look like a nice design MFJ has.
>
> Thanks for the info,
> Skip
>
> On Tue, Dec 9, 2008 at 3:17 PM, Steve Friis <wm5z@...> wrote:
>
>
>> I guess you didn't see my post about the MFJ unit? It screws together.
>> Dis-assembles and you can fit it in a tube or pipe for storage.
>>
>> Steve/WM5Z
>> Just because you say I'm paranoid doesn't mean they aren't watching us.
>>
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>>
>> Skip Taylor wrote:
>>
>>> I had focused on a folded type to try to limit space taken up. If
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>>> way it can be disassembled/reassembled easily then I think it could work
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>>>> Callum McCormick
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>>>> From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com
>>>>
>>]
>>
>>>> On
>>>> Behalf Of Skip Taylor
>>>> Sent: 09 December 2008 04:26
>>>> To: ham-antennas@yahoogroups.com
>>>> Subject: [ham-antennas] folding yagi plans for 2 meters?
>>>>
>>>>
>>>>
>>>> Does anyone know of any plans for a fairly sturdy folding yagi for 2
>>>> meters? Basically it's for emergency use to hit a repeater about 60
>>>>
>> miles
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>>>> away when needed.
>>>>

>>>> Any ideas appreciated.
>>>> Skip KI6GKS
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>
>
> [Non-text portions of this message have been removed]
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>
> ---
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7181. Re: [ham-antennas] folding yagi plans for 2 meters?

Yahoo group: ham-antennas (2008)
Date: 2008-12-10 05:49:31 UTC
From: Paul V Birke PEng
Topic: 7155 Message: 7181

At our local Home Depot and
Lowes, they have 1" square box tubing in 3' lengths.

****

Dear Steve

this made me think about so old aluminum lounging chair where the straight sections are long enough (maybe they are not)
could then just cut out the longest pieces
people seem to be throwing these out these days and one should able to get at a recycling depot for say 5$ or may have one in the garage
the other way of making the boom is fully insulating material
here you need some kind of tube of square of good material
the pvc white may be a good compromise

anyways a few options

however I think Skip really wants some kind of quick foldup
4 element beam and direct connection would be nice at 50 ohms
do not forget some ferrite clip ons near the connection to the antenna over the coax

best
Paul in Guelph

[Non-text portions of this message have been removed]

7182. Re: [ham-antennas] folding yagi plans for 2 meters?

Yahoo group: ham-antennas (2008)
Date: 2008-12-10 06:44:09 UTC
From: Steve Friis
Topic: 7155 Message: 7182

I love brain storming.

I bet a piece of conduit pipe for the boom would work, and they sell those pipe clamps for fastening pipe to walls, kind of like an open P shape. These could hold the elements.

In the hardware section, I've seen thumb screws. You'd have to tap threads in the holes to make those work.

Make the Conduit pipe big enough for the elements to fit inside. Would make a really compact travel kit.

If the Driven elements were two pieces, snug fit inside a PVC section, then a coax could be attached directly. Should give a better than 2:1 SWR if tuned right. I'm guessing, but I bet the feed Z would be close to 35 Ohms.

Sounds like such a great idea, I just might go build one and take down my 2 meter loop to try it.

Steve/WM5Z
Just because you say I'm paranoid doesn't mean they aren't watching us.

Paul V Birke PEng wrote:
> At our local Home Depot and
> Lowes, they have 1" square box tubing in 3' lengths.
>
> **********
>
> Dear Steve
>
> this made me think about so old aluminum lounging chair where the straight sections are long enough (maybe they are not)
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> people seem to be throwing these out these days and one should able to get at a recycling depot for say 5$ or may have one in the garage
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> anyways a few options
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> however I think Skip really wants some kind of quick foldup
> 4 element beam and direct connection would be nice at 50 ohms
> do not forget some ferrite clip ons near the connection to the antenna over the coax
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7183. Re: [ham-antennas] folding yagi plans for 2 meters?

Yahoo group: ham-antennas (2008)
Date: 2008-12-10 07:06:38 UTC
From: Skip Taylor
Topic: 7155 Message: 7183

I have several plans floating in my head. Most involve PVC pipe with a combination of other materials.

I'll try to let all of you know what we finally create. It probably won't be till around end of this year or sometime in January.

Thanks again!
Skip

On Tue, Dec 9, 2008 at 9:37 PM, Steve Friis <wm5z@...> wrote:

> OK, no problem. I didn't see it go by, so thought maybe it didn't make
> the reflector for some reason.
>
> An idea might be to go to your local hardware outlet and see if they
> have aluminum box tubing. Then you could get some small copper tubing
> for the elements, drill holes in the box tube to install them, and maybe
> sheet metal screw for each element to hold it in place. Make a Gama
> match for the feed line, and you'd be set. At our local Home Depot and
> Lowes, they have 1" square box tubing in 3' lengths. I guess if you
> really wanted to get fancy, you could fashion insulators out of PVC pipe
> caps and just use a Balun to center feed the Driven Element. You can get
> the dimensions from a Google search. There are quite a few designs
> published there. Some are really excellent.
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> Steve/WM5Z
> Just because you say I'm paranoid doesn't mean they aren't watching us.
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> Skip Taylor wrote:
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> > pretty limited budget so these will probably be units I have to build
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> >
> > Though that does look like a nice design MFJ has.
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> > Thanks for the info,
> > Skip
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> > On Tue, Dec 9, 2008 at 3:17 PM, Steve Friis <wm5z@...> wrote:
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> >

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> >>>>
> >>>>
> >>>> From: ham-antennas@yahoogroups.com [mailto:
> ham-antennas@yahoogroups.com
> >>>>
> >>]

> >>
> >>>> On
> >>>> Behalf Of Skip Taylor
> >>>> Sent: 09 December 2008 04:26
> >>>> To: ham-antennas@yahoogroups.com
> >>>> Subject: [ham-antennas] folding yagi plans for 2 meters?
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> >>>>
> >>>>
> >>>> Does anyone know of any plans for a fairly sturdy folding yagi for 2
> >>>> meters? Basically it's for emergency use to hit a repeater about 60
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> >>>> Any ideas appreciated.
> >>>> Skip KI6GKS
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> >
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>
>

[Non-text portions of this message have been removed]

7184. Re: 102" whip and tuner

Yahoo group: ham-antennas (2008)
Date: 2008-12-10 07:18:36 UTC
From: visualco2
Topic: 7174 Message: 7184

--- In ham-antennas@yahoogroups.com, "Leonard K. Pennock"
<leonardpennock@...> wrote:
>
> Have you consider getting the plate that allows 3 coils on your mast.
> Then you won't have to change coils as often since you will have 3
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>
> visualco2 wrote:
> > I guess from the input, I should stay with the Hustler, mast and coil.
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>
> --
> Leonard K. Pennock
> AD7AS
>
> Those who walk bravely through life, unafraid of loss or failure,
> find that they very rarely lose or fail.
>
Yes Leonard I have, But the wind load on my 40m stick is enough to
bend the mast at high way speed. around town I suppose it would be OK.
I did Guy the mast ,I have pictures that I'll upload.
Thanks and "73" N1UVW

7185. Re: [ham-antennas] Re: 102" whip and tuner

Yahoo group: ham-antennas (2008)
Date: 2008-12-10 13:29:12 UTC
From: Leonard K. Pennock
Topic: 7174 Message: 7185

I saw a picture once that rather than using the plate that had all three coils sticking out at top like branches, they had made a curved bar that had them in line. If you looked at it from the front it looked like one coil but from the side they had 3 coils. This might work with your wind load issue.

visualco2 wrote:

> Yes Leonard I have, But the wind load on my 40m stick is enough to
> bend the mast at high way speed. around town I suppose it would be OK.
> I did Guy the mast ,I have pictures that I'll upload.
> Thanks and "73" N1UVW

--
Leonard K. Pennock
AD7AS

Those who walk bravely through life, unafraid of loss or failure,
find that they very rarely lose or fail.

7186. RE: [ham-antennas] folding yagi plans for 2 meters?

Yahoo group: ham-antennas (2008)
Date: 2008-12-10 16:38:54 UTC
From: Callum m0mcx
Topic: 7155 Message: 7186

Ah, Mark! I see you are showing your head in this group now? You never respond to my emails that I send to you personally regarding the google search for your callsign that I arranged for you.

Are you a moderator here too?

Callum McCormick

http://www.m0mcx.co.uk/

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of n1kfc
Sent: 09 December 2008 14:48
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] folding yagi plans for 2 meters?

Hi Skip,

Here are some plans for a very portable, easy to construct low cost 2m yagi:

http://www.qsl.net/dj2qv/style/tapeyagi.pdf

73,
Mark
N1KFC

[Non-text portions of this message have been removed]

7187. Re: [ham-antennas] folding yagi plans for 2 meters?

Yahoo group: ham-antennas (2008)
Date: 2008-12-10 17:44:15 UTC
From: Paul V Birke PEng
Topic: 7155 Message: 7187

From: Steve Friis <wm5z@...>
To: ham-antennas@yahoogroups.com
Sent: Wednesday, December 10, 2008 1:44:09 AM
Subject: Re: [ham-antennas] folding yagi plans for 2 meters?

I love brain storming.

I bet a piece of conduit pipe for the boom would work, and they sell those pipe clamps for fastening pipe to walls, kind of like an open P shape. These could hold the elements.

In the hardware section, I've seen thumb screws. You'd have to tap threads in the holes to make those work.

Make the Conduit pipe big enough for the elements to fit inside. Would make a really compact travel kit.

If the Driven elements were two pieces, snug fit inside a PVC section, then a coax could be attached directly. Should give a better than 2:1 SWR if tuned right. I'm guessing, but I bet the feed Z would be close to 35 Ohms.

Sounds like such a great idea, I just might go build one and take down my 2 meter loop to try it.

Steve/WM5Z
****

sounds pretty good to me, the conduit pipe is not too heavy either

p

[Non-text portions of this message have been removed]

7188. Re: 102" whip and tuner

Yahoo group: ham-antennas (2008)
Date: 2008-12-10 18:47:28 UTC
From: visualco2
Topic: 7174 Message: 7188

--- In ham-antennas@yahoogroups.com, Steve Friis <wm5z@...> wrote:
>Thanks Steve, is that the the Hustler multi-coil adapter?. if so
sounds great.Please let me know how much it would be.
Thanks again ,"73" N1UVW

> In fact, if you'll pay the postage, I'll mail you one. I used to have a
> set of hustlers, but now use a Screwdriver.
>
> Steve/WM5Z
> Just because you say I'm paranoid doesn't mean they aren't watching us.
>
>
>
> Leonard K. Pennock wrote:
> > Have you consider getting the plate that allows 3 coils on your mast.
> > Then you won't have to change coils as often since you will have 3
bands.
> >
> > visualco2 wrote:
> >
> >> I guess from the input, I should stay with the Hustler, mast and
coil.
> >> I'd love to get a Screwdriver Ant. but $$ is out of the question
right
> >> now. Thanks to all.
> >>
> >>
> >
> >
>

7189. Re: 102" whip and tuner

Yahoo group: ham-antennas (2008)
Date: 2008-12-11 00:34:21 UTC
From: carl.lavoie
Topic: 7174 Message: 7189

--- In ham-antennas@yahoogroups.com, "visualco2" <visualco2@...> wrote:
>
> I guess from the input, I should stay with the Hustler, mast and coil.
> I'd love to get a Screwdriver Ant. but $$ is out of the question right
> now. Thanks to all.
>
I don't know how much is a Screwdriver Antenna but I found an
interesting whip antenna on Ebay. It's a Chameleon HF Multiband
Antenna for about 110$ or 120$ shipping included :

http://cgi.ebay.com/CHAMELEON-V1-HF-Multiband-Antenna_W0QQitemZ160303310062QQcmdZViewItemQ
QimsxZ20081207?IMSfp=TL0812071510002r23330

I got one of those and it really works! I use it as main antenna at
home on a mast. I just plug it in my AT-200PRO and bang, 10 minutes
later I was on the air.

KI6TRA

7190. RF Caution Signs

Yahoo group: ham-antennas (2008)
Date: 2008-12-11 05:17:20 UTC
From: frontrowe1
Topic: 7190 Message: 7190

I have a few more new RF Caution signs for sale on ebay. They are currently available for $0.99 with only a day left. Check the link below to see a photo and details.
It's the perfect really big stocking stuffer for your favorite radio enthusiast!

http://shop.ebay.com/merchant/brjecass

Thanks
BR

7191. Re: RF Caution Signs

Yahoo group: ham-antennas (2008)
Date: 2008-12-11 15:31:27 UTC
From: Mark Blanton
Topic: 7190 Message: 7191

Your photo is so small you cannot read what the sign actually says.
Clicking on the "View larger photo" does no better.

Mark WC5M

--- In ham-antennas@yahoogroups.com, "frontrowe1" <frontrowe1@...>
wrote:
>
> I have a few more new RF Caution signs for sale on ebay. They are
> currently available for $0.99 with only a day left. Check the link
> below to see a photo and details.
> It's the perfect really big stocking stuffer for your favorite
radio
> enthusiast!
>
> http://shop.ebay.com/merchant/brjecass
>
> Thanks
> BR
>

7192. mobile antennas

Yahoo group: ham-antennas (2008)
Date: 2008-12-11 15:52:43 UTC
From: mitchell mitchell murphy
Topic: 7192 Message: 7192

hi everyone i have a 2000 ford explorer and am trying to find a way to put a homemade 2 meter on it. i have lifted the truck so it can not be all that high. if anyone has any ideas that would be great.

Mitch- KD0FUZ- Milaca,MN

[Non-text portions of this message have been removed]

7193. Re: [ham-antennas] mobile antennas

Yahoo group: ham-antennas (2008)
Date: 2008-12-11 16:46:58 UTC
From: radio817@tmo.blackberry.net
Topic: 7192 Message: 7193

>>am trying to find a way to put a homemade 2 meter on it. i have lifted the truck so it can not be all that high.

Need more info. What type of base does your homemade antenna have? A simple commercial quarter wave isn't that expensive and is only about 20 inches tall.

John
KE7JSL
Sent via BlackBerry from T-Mobile

7194. Re: [ham-antennas] mobile antennas

Yahoo group: ham-antennas (2008)
Date: 2008-12-11 17:06:17 UTC
From: mitchell mitchell murphy
Topic: 7192 Message: 7194

i do not have a base or anything im just trying to get ideas on how i can build and mount one.

Mitch-KD0FUZ

From: "radio817@..." <radio817@...>
To: ham-antennas@yahoogroups.com
Sent: Thursday, December 11, 2008 10:46:58 AM
Subject: Re: [ham-antennas] mobile antennas

>>am trying to find a way to put a homemade 2 meter on it. i have lifted the truck so it can not be all that high.

Need more info. What type of base does your homemade antenna have? A simple commercial quarter wave isn't that expensive and is only about 20 inches tall.

John
KE7JSL
Sent via BlackBerry from T-Mobile

[Non-text portions of this message have been removed]

7195. Re: [ham-antennas] mobile antennas

Yahoo group: ham-antennas (2008)
Date: 2008-12-11 17:41:15 UTC
From: radio817@tmo.blackberry.net
Topic: 7192 Message: 7195

>i do not have a base or anything im just trying to get ideas

The reason I asked was 3/8, nmo etc all have slightly different configurations for a mount. The most common I have seen for a suv besides mag mount is a hole drilled on the opposite front fender of the am antenna to keep the hieght down. Hope others on this list can help more.

John
KE7JSL
Sent via BlackBerry from T-Mobile

7196. RE: [ham-antennas] mobile antennas

Yahoo group: ham-antennas (2008)
Date: 2008-12-11 17:41:21 UTC
From: Richard Schmuke
Topic: 7192 Message: 7196

Pick up any junk little mag mount CB antenna and cut it off to 19 ¼ inch□s ,
or make you own with a stick of SS welding wire.

Ref my 4 wave in the photo section .

Rich , KDØZZ

Disclaimer: Any errors in spelling or facts are transmission errors.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On
Behalf Of mitchell mitchell murphy
Sent: Thursday, December 11, 2008 11:06 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] mobile antennas

i do not have a base or anything im just trying to get ideas on how i can
build and mount one.

Mitch-KD0FUZ

From: "radio817@....net <mailto:radio817%40tmo.blackberry.net> "
<radio817@... <mailto:radio817%40tmo.blackberry.net> >
To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
Sent: Thursday, December 11, 2008 10:46:58 AM
Subject: Re: [ham-antennas] mobile antennas

>>am trying to find a way to put a homemade 2 meter on it. i have lifted the
truck so it can not be all that high.

Need more info. What type of base does your homemade antenna have? A simple
commercial quarter wave isn't that expensive and is only about 20 inches
tall.

John
KE7JSL
Sent via BlackBerry from T-Mobile

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[Non-text portions of this message have been removed]

7197. Butternut HF2V

Yahoo group: ham-antennas (2008)
Date: 2008-12-11 21:58:11 UTC
From: al_kozakiewicz
Topic: 7197 Message: 7197

Just to update on my antenna progress:

I purchased a Butternut HF2V and got it up before the ground froze solid here in NY. The radial kit was a ripoff - $100 for 12 pieces of precut insulated #14 wire. However, the rest of the antenna is the nuts.

I added an additional 16 radials by just laying some #14 wire on the ground and "stapling" it down with some pieces of coathanger. That will last until the spring when I'm sure my XYL will insist that I move the thing :-(I'll bury them then.

Tuning the antenna to resonance was tiresome without an antenna analyzer. I had to go inside; chart the SWR; figure out how far to move the resonance point; go back outside and adjust the coil length; repeat.

On 40m, the thing is reasonably resonant throughout the band. You get about 125-150kHz usable bandwidth on 80m without a tuner. I chose 3.795 as the centerpoint. I occasionally participate on a net at 3872 and the SWR is still tolerable there, as well as the upper part of the Extra class segment.

At any rate, I love the way this thing performs. I'm generally driving it with 500W and almost always get 59 signals reports from European QSO's that used to give me a 35 or 45 with the G5RV. It's not quite a pileup buster, but I usually get answered pretty quick if I can hear them.

Two thumbs up!

Al
AB2ZY

7198. Re: [ham-antennas] mobile antennas

Yahoo group: ham-antennas (2008)
Date: 2008-12-11 23:02:41 UTC
From: Jim Coon
Topic: 7192 Message: 7198

for $10 to $12 you can pick up one of those hersy kiss 1/4 wve 19 inch mag mounts made by workman at a swap or on line

On Thu, Dec 11, 2008 at 12:41 PM, Richard Schmuke <rdj@...> wrote:

> Pick up any junk little mag mount CB antenna and cut it off to 19 ¼
> inch's ,
> or make you own with a stick of SS welding wire.
>
> Ref my 4 wave in the photo section .
>
> Rich , KDØZZ
>
> Disclaimer: Any errors in spelling or facts are transmission errors.
>
> From: ham-antennas@yahoogroups.com <ham-antennas%40yahoogroups.com>[mailto:
> ham-antennas@yahoogroups.com <ham-antennas%40yahoogroups.com>] On
> Behalf Of mitchell mitchell murphy
> Sent: Thursday, December 11, 2008 11:06 AM
> To: ham-antennas@yahoogroups.com <ham-antennas%40yahoogroups.com>
> Subject: Re: [ham-antennas] mobile antennas
>
> i do not have a base or anything im just trying to get ideas on how i can
> build and mount one.
>
> Mitch-KD0FUZ
>
> _____
> From: "radio817@... <radio817%40tmo.blackberry.net><mailto:
> radio817%40tmo.blackberry.net <radio817%2540tmo.blackberry.net>> "
> <radio817@tmo.blackberry.net <radio817%40tmo.blackberry.net> <mailto:
> radio817%40tmo.blackberry.net <radio817%2540tmo.blackberry.net>> >
> To: ham-antennas@yahoogroups.com <ham-antennas%40yahoogroups.com> <mailto:
> ham-antennas%40yahoogroups.com <ham-antennas%2540yahoogroups.com>>
> Sent: Thursday, December 11, 2008 10:46:58 AM
> Subject: Re: [ham-antennas] mobile antennas
>
> >>am trying to find a way to put a homemade 2 meter on it. i have lifted
> the
> truck so it can not be all that high.
>
> Need more info. What type of base does your homemade antenna have? A simple
> commercial quarter wave isn't that expensive and is only about 20 inches
> tall.
>

> John
> KE7JSL
> Sent via BlackBerry from T-Mobile
>
> [Non-text portions of this message have been removed]
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> [Non-text portions of this message have been removed]
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>

--
Jim

[Non-text portions of this message have been removed]

7199. Re: [ham-antennas] mobile antennas

Yahoo group: ham-antennas (2008)
Date: 2008-12-12 02:15:30 UTC
From: Charles Hendrick
Topic: 7192 Message: 7199

A quater wave ant will not perform well as it is small, only 19.25 inch.
you might want to consider at least a half wave mounted opposite the broadcast band ant.
N3xib

--- On Thu, 12/11/08, mitchell mitchell murphy <mitchellmitchellmurphy@...> wrote:

From: mitchell mitchell murphy <mitchellmitchellmurphy@...>
Subject: [ham-antennas] mobile antennas
To: ham-antennas@yahoogroups.com
Date: Thursday, December 11, 2008, 10:52 AM

hi everyone i have a 2000 ford explorer and am trying to find a way to put a homemade 2 meter on it. i have lifted the truck so it can not be all that high. if anyone has any ideas that would be great.

Mitch- KD0FUZ- Milaca,MN

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

7200. Re: [ham-antennas] mobile antennas

Yahoo group: ham-antennas (2008)
Date: 2008-12-12 03:28:00 UTC
From: Jim Coon
Topic: 7192 Message: 7200

A 5/8ths wave works very well, but a 1/4 wave is easy to make, easy to match
and easy to carry and works well too

On Thu, Dec 11, 2008 at 9:15 PM, Charles Hendrick <n3xib1@...> wrote:

> A quater wave ant will not perform well as it is small, only 19.25 inch.
> you might want to consider at least a half wave mounted opposite the
> broadcast band ant.
> N3xib
>
> --- On Thu, 12/11/08, mitchell mitchell murphy <
> mitchellmitchellmurphy@... <mitchellmitchellmurphy%40ymail.com>>
> wrote:
>
> From: mitchell mitchell murphy
<mitchellmitchellmurphy@...<mitchellmitchellmurphy%40ymail.com>
> >
> Subject: [ham-antennas] mobile antennas
> To: ham-antennas@yahoogroups.com <ham-antennas%40yahoogroups.com>
> Date: Thursday, December 11, 2008, 10:52 AM
>
> hi everyone i have a 2000 ford explorer and am trying to find a way to put
> a homemade 2 meter on it. i have lifted the truck so it can not be all that
> high. if anyone has any ideas that would be great.
>
> Mitch- KD0FUZ- Milaca,MN
>
> [Non-text portions of this message have been removed]
>
> [Non-text portions of this message have been removed]
>
>
>

--
Jim

[Non-text portions of this message have been removed]

7201. Re: HF longwire antenna

Yahoo group: ham-antennas (2008)
Date: 2008-12-12 04:24:16 UTC
From: ve7baq
Topic: 7057 Message: 7201

According to William Orr's 1972 Wire Antennas handbook, if you endfeed a 90 foot wire with a tuner you can use it with a fairly good antenna on 80 meters and 40 meters. One thing he stresses though is that you should have at least on ground radial for each band you wish to work. He recommends 62 feet and 32 feet respectively for those bands. I am using this arrangement right now and it seems to work out OK but I have to do a bit of pruning to get rid of RF feedback on forty meters. According to him the ground radial should be insulated wire and tape up the ends good to help prevent RF burns etc. VE7BAQ

--- In ham-antennas@yahoogroups.com, Doug Chlan <dxreddog@...> wrote:
>
> Hi Group,
>
> I want to make a HF longwire (random wire) end fed antenna for 80m & 40m. Can I make a full wave 40m antenna that can be used on 80m with the aid of an antenna tuner? Any help appreciated.
>
> Cheers!
> Doug...
> VE3GHQ
>
>
>

> Yahoo! Canada Toolbar: Search from anywhere on the web, and bookmark your favourite sites. Download it now at
> http://ca.toolbar.yahoo..com.
>
> [Non-text portions of this message have been removed]
>

7202. Re: [ham-antennas] mobile antennas

Yahoo group: ham-antennas (2008)
Date: 2008-12-12 14:17:06 UTC
From: Steve Friis
Topic: 7192 Message: 7202

There are actually times when a 1/4 wave can outperform higher gain antenna, and it's use should not be discounted.

Here in New Mexico, when traveling in the mountains and valleys and canyons, the higher radiation angle of the 1/4 wave will send a stronger signal up to mountaintop repeaters while 5/8 wave antenna were unable to access this same repeater from the same location. It also might work that way within the city.

Steve/WM5Z
Just because you say I'm paranoid doesn't mean they aren't watching us.

Charles Hendrick wrote:
> A quater wave ant will not perform well as it is small, only 19.25 inch.
> you might want to consider at least a half wave mounted opposite the broadcast band ant.
> N3xib
>
> --- On Thu, 12/11/08, mitchell mitchell murphy <mitchellmitchellmurphy@...> wrote:
>
> From: mitchell mitchell murphy <mitchellmitchellmurphy@...>
> Subject: [ham-antennas] mobile antennas
> To: ham-antennas@yahoogroups.com
> Date: Thursday, December 11, 2008, 10:52 AM
>
>
>
>
>
>
> hi everyone i have a 2000 ford explorer and am trying to find a way to put a homemade 2 meter on it. i have lifted the truck so it can not be all that high. if anyone has any ideas that would be great.
>
> Mitch- KD0FUZ- Milaca,MN
>
> [Non-text portions of this message have been removed]
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> [Non-text portions of this message have been removed]
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>
> ----------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 1446 members (as of 9/26/08, and attachments are NOT permitted.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
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>
>
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>

7203. Re: mobile antennas

Yahoo group: ham-antennas (2008)
Date: 2008-12-12 15:44:34 UTC
From: ad7gr
Topic: 7192 Message: 7203

The easiest antenna to homebrew for 2M is the 1/4 wave.

The choice of length, ie 1/4, 1/2, 5/8, etc is dependent upon your needs. The best performing antenna for flatland is not necessarily the best for metropolitan or mountain areas. In the city or mountains then the high angle pattern a 1/4 wave antenna has would be better. If in the country then perhaps the 5/8 antenna for its low angle concentration.

You should try meet your need. When I resided in Colorado it was good to have both and select the one for the needed pattern... just as you would if you were in your home HF station setup.

A simple mag mount is OK for the temporary or no holes mount, but if you can drill holes or use a trunk or hood lip bracket then by all means go that way. There are many good commercial mounts avail and you can make your own also... just be inventive. If you do not have any antenna books then I suggest you buy at least one. They are readily available from ARRL, CQ, WorldRadio, Etc magazines. The ARRL Antenna Book should also be available from your local library.

73,
Ed - AD7GR

--- In ham-antennas@yahoogroups.com, mitchell mitchell murphy <mitchellmitchellmurphy@...> wrote:

"...am trying to find a way to put a homemade 2 meter on it...."

7204. Ground Straps

Yahoo group: ham-antennas (2008)
Date: 2008-12-13 01:53:12 UTC
From: Rick
Topic: 7204 Message: 7204

This is sort of related to antennas. Ground straps, I have a very smart friend who just happens to be a very smart electronics engineer who works on radio systems design for a very smart company. You see where I am going now. He said that braid ground should be avoided for grounding radios because it causes more noise than gets rid of. He said that the flat copper strips are the best. Now I have a heck of a lot of braid that I am going to use this weekend. I sort of never get around to grounding my gear. 5 years no ground to radios,just lucky here in California. Anyway what do you very smart people think about the braid causing problems or what is the best conductor for a ground to the gear from my brand new ground bus bar. Dang they are expensive!

Rick/WA6ES

7205. Re: [ham-antennas] Re: mobile antennas

Yahoo group: ham-antennas (2008)
Date: 2008-12-13 02:35:57 UTC
From: Steve Friis
Topic: 7192 Message: 7205

I agree with Ed, but you might check with your public library for antenna books.

Steve/WM5Z
Just because you say I'm paranoid doesn't mean they aren't watching us.

ad7gr wrote:
> The easiest antenna to homebrew for 2M is the 1/4 wave.
>
> The choice of length, ie 1/4, 1/2, 5/8, etc is dependent upon your
> needs. The best performing antenna for flatland is not necessarily the
> best for metropolitan or mountain areas. In the city or mountains then
> the high angle pattern a 1/4 wave antenna has would be better. If in
> the country then perhaps the 5/8 antenna for its low angle concentration.
>
> You should try meet your need. When I resided in Colorado it was good
> to have both and select the one for the needed pattern... just as you
> would if you were in your home HF station setup.
>
> A simple mag mount is OK for the temporary or no holes mount, but if
> you can drill holes or use a trunk or hood lip bracket then by all
> means go that way. There are many good commercial mounts avail and you
> can make your own also... just be inventive. If you do not have any
> antenna books then I suggest you buy at least one. They are readily
> available from ARRL, CQ, WorldRadio, Etc magazines. The ARRL Antenna
> Book should also be available from your local library.
>
> 73,
> Ed - AD7GR
>
> --- In ham-antennas@yahoogroups.com, mitchell mitchell murphy
> <mitchellmitchellmurphy@...> wrote:
>
> "...am trying to find a way to put a homemade 2 meter on it...."
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 1446 members (as of 9/26/08, and attachments are NOT permitted.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links

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>

7206. Re: [ham-antennas] Ground Straps

Yahoo group: ham-antennas (2008)
Date: 2008-12-13 02:27:09 UTC
From: Paul V Birke PEng
Topic: 7204 Message: 7206

Hesaid that the flat copper strips are the best.

Dear Rick

what about burying horizontal like a number of say 1m copper 1/2 pipes side by side

all joined of course

say a big "H" brazed solded up of standard Home Depot 1/2" tube and parts
with connect at centre of horizontal in the "H"

need to dig a trough for that a bit of digging

I am not sure just a vertical ARRL "water driven" in 1/2" copper tube is enough.

interesting about the braid, if he says that I would not bury braid

best
Paul in Guelph ON

[Non-text portions of this message have been removed]

7207. Re: [ham-antennas] Ground Straps

Yahoo group: ham-antennas (2008)
Date: 2008-12-13 04:42:58 UTC
From: Steve Friis
Topic: 7204 Message: 7207

I see no real reason not to use _*SHORT*_ braided ground wires to the ground buss. You are not going to be moving these around, but you might need to have some flex so that you can move the equipment, such as cleaning and dusting.

Steve/WM5Z
Just because you say I'm paranoid doesn't mean they aren't watching us.

Rick wrote:
> This is sort of related to antennas. Ground straps, I have a very
> smart friend who just happens to be a very smart electronics engineer
> who works on radio systems design for a very smart company. You see
> where I am going now. He said that braid ground should be avoided for
> grounding radios because it causes more noise than gets rid of. He
> said that the flat copper strips are the best. Now I have a heck of a
> lot of braid that I am going to use this weekend. I sort of never get
> around to grounding my gear. 5 years no ground to radios,just lucky
> here in California. Anyway what do you very smart people think about
> the braid causing problems or what is the best conductor for a ground
> to the gear from my brand new ground bus bar. Dang they are expensive!
>
> Rick/WA6ES
>
>
> ----------
>
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7208. Re: [ham-antennas] Ground Straps

Yahoo group: ham-antennas (2008)
Date: 2008-12-13 07:43:33 UTC
From: Jim Coon
Topic: 7204 Message: 7208

I am an electrical engineer and I don't see how it would make a difference for HF frequencies

Rick wrote:
>
> This is sort of related to antennas. Ground straps, I have a very
> smart friend who just happens to be a very smart electronics engineer
> who works on radio systems design for a very smart company. You see
> where I am going now. He said that braid ground should be avoided for
> grounding radios because it causes more noise than gets rid of. He
> said that the flat copper strips are the best. Now I have a heck of a
> lot of braid that I am going to use this weekend. I sort of never get
> around to grounding my gear. 5 years no ground to radios,just lucky
> here in California. Anyway what do you very smart people think about
> the braid causing problems or what is the best conductor for a ground
> to the gear from my brand new ground bus bar. Dang they are expensive!
>
> Rick/WA6ES
>
>

7209. Re: Ground Straps

Yahoo group: ham-antennas (2008)
Date: 2008-12-13 12:51:29 UTC
From: Rick
Topic: 7204 Message: 7209

Yes the grounds will be short. The length is going to be around 4ft long. Running 7ft of 6AWG wire from the ground rod to the ground buss bar. From the buss bar I will then connect the radio's , tuners and the antenna switch. The switch was recommended since it has a shorting switch in it.
Jim, yes it will be mostly HF and VHF since they are on the bench and why not(now I say that).
Now off to work to make those ground straps.

Thanks and any other comments are always welcome

Rick/WA6ES
--- In ham-antennas@yahoogroups.com, Steve Friis <wm5z@...> wrote:
>
> I see no real reason not to use _*SHORT*_ braided ground wires to the
> ground buss. You are not going to be moving these around, but you might
> need to have some flex so that you can move the equipment, such as
> cleaning and dusting.
>
> Steve/WM5Z
> Just because you say I'm paranoid doesn't mean they aren't watching us.
>
>
>
> Rick wrote:
> > This is sort of related to antennas. Ground straps, I have a very
> > smart friend who just happens to be a very smart electronics engineer
> > who works on radio systems design for a very smart company. You see
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> > around to grounding my gear. 5 years no ground to radios,just lucky
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> > Rick/WA6ES
> >
> >
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7210. Re: [ham-antennas] Ground Straps

Yahoo group: ham-antennas (2008)
Date: 2008-12-13 13:39:41 UTC
From: Chuck Schultz
Topic: 7204 Message: 7210

I am not a EE but am a Professional BS'er and I have read about the pitfalls of braided ground wires. That saved me a lot of effort as I had been stripping coax to get the braid. After priceing the copper strips I seached else where. I now use copper door and weather shields bought at any local hdwe store . I have never noticed any change but it makes a good conversation filler when showing off my shack . Chuck Wq5B
----- Original Message -----
From: Jim Coon
To: ham-antennas@yahoogroups.com
Sent: Saturday, December 13, 2008 1:43 AM
Subject: Re: [ham-antennas] Ground Straps

I am an electrical engineer and I don't see how it would make a
difference for HF frequencies

Rick wrote:
>
> This is sort of related to antennas. Ground straps, I have a very
> smart friend who just happens to be a very smart electronics engineer
> who works on radio systems design for a very smart company. You see
> where I am going now. He said that braid ground should be avoided for
> grounding radios because it causes more noise than gets rid of. He
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> around to grounding my gear. 5 years no ground to radios,just lucky
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> the braid causing problems or what is the best conductor for a ground
> to the gear from my brand new ground bus bar. Dang they are expensive!
>
> Rick/WA6ES
>
>

[Non-text portions of this message have been removed]

7211. too much realestate and too many trees

Yahoo group: ham-antennas (2008)
Date: 2008-12-13 13:56:03 UTC
From: austincjett
Topic: 7211 Message: 7211

I'm on 33 acres with very tall trees all over it. How can I utilize this problem? Every thing will need to be temporary since I'm renting for only as long as the job here lasts. I have the parts for a tuner. Two roller inductors and two variable caps.

7212. Re: [ham-antennas] Ground Straps

Yahoo group: ham-antennas (2008)
Date: 2008-12-13 14:35:33 UTC
From: richard woltmann
Topic: 7204 Message: 7212

Richard Woltmann

--I am not sure about braid vs copper straps but lightning caused a hell of a time hitting my SWL antenna because I was "to busy".
The ground is need!
Lear from bad mistakes like mine. NYC suburbs-NassauCountry 11580

[Non-text portions of this message have been removed]

7213. Re: Ground Straps

Yahoo group: ham-antennas (2008)
Date: 2008-12-13 16:47:42 UTC
From: Paul
Topic: 7204 Message: 7213

Flat copper strap has less inductance than braid.

Unles you operate only on one band, you will need multiple ground
straps from your "bus bar" to the ground stakes, one for each strap.

Remember - a 1/4 wavelength ground strap (or wire) may be grounded on
one end but definately not grounded on the other; by-pass it with a 1/2
wave strap.

Paul - K9ERG

--- In ham-antennas@yahoogroups.com, "Rick" <wa6es@...> wrote:
>
> This is sort of related to antennas. Ground straps, I have a very
> smart friend who just happens to be a very smart electronics engineer
> who works on radio systems design for a very smart company. You see
> where I am going now. He said that braid ground should be avoided for
> grounding radios because it causes more noise than gets rid of. He
> said that the flat copper strips are the best. Now I have a heck of a
> lot of braid that I am going to use this weekend. I sort of never get
> around to grounding my gear. 5 years no ground to radios,just lucky
> here in California. Anyway what do you very smart people think about
> the braid causing problems or what is the best conductor for a ground
> to the gear from my brand new ground bus bar. Dang they are expensive!
>
> Rick/WA6ES
>

7214. Re: Ground Straps

Yahoo group: ham-antennas (2008)
Date: 2008-12-13 18:20:59 UTC
From: catboat15@aol.com
Topic: 7204 Message: 7214

I can imagine that copper braid might be a possible problem if the braid was moved around by expansion and contraction. There would be a lot of fine copper wires moving against each other possibly creating problems. I use copper braid (solder sucker braid from R.S.) to solder batteries together for my model airplanes and never noticed any problems, but when dealing with RF strange things happen.
John
k6suf

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[Non-text portions of this message have been removed]

7215. Re: [ham-antennas] too much realestate and too many trees

Yahoo group: ham-antennas (2008)
Date: 2008-12-13 18:43:19 UTC
From: Tom Gleeman
Topic: 7211 Message: 7215

Hello Austin C. and the Group,

If I had access to all that land, trees and two roller inductors..... I'd put up the biggest
loop antenna possible....Even If I knew I would have to take it down soon.

See http://groups.yahoo.com/group/ham-antennas/photos/album/402385040/pic/803683928/view?picmode=large&mode=tn&order=ordinal&start=1&dir=asc

Y'all take care now.

Tom
KE6YNH, 73
San Diego, CA

----- Original Message -----
From: austincjett
To: ham-antennas@yahoogroups.com
Sent: Saturday, December 13, 2008 5:56 AM
Subject: [ham-antennas] too much realestate and too many trees

I'm on 33 acres with very tall trees all over it. How can I utilize
this problem? Every thing will need to be temporary since I'm renting
for only as long as the job here lasts. I have the parts for a tuner.
Two roller inductors and two variable caps.

[Non-text portions of this message have been removed]

7216. Re: [ham-antennas] too much realestate and too many trees

Yahoo group: ham-antennas (2008)
Date: 2008-12-13 18:56:08 UTC
From: Paul V Birke PEng
Topic: 7211 Message: 7216

very nice

Paul in Guelph

_____
From: Tom Gleeman <tgleeman@...>
To: ham-antennas@yahoogroups.com
Sent: Saturday, December 13, 2008 1:43:19 PM
Subject: Re: [ham-antennas] too much realestate and too many trees

Hello Austin C. and the Group,

If I had access to all that land, trees and two roller inductors... ... I'd put up the biggest
loop antenna possible.... Even If I knew I would have to take it down soon.

See http://groups. yahoo.com/ group/ham- antennas/ photos/album/ 402385040/ pic/803683928/ view?picmode= large&mode= tn&order= ordinal&start= 1&dir=asc

Y'all take care now.

Tom
KE6YNH, 73
San Diego, CA

----- Original Message -----
From: austincjett
To: ham-antennas@ yahoogroups. com
Sent: Saturday, December 13, 2008 5:56 AM
Subject: [ham-antennas] too much realestate and too many trees

I'm on 33 acres with very tall trees all over it. How can I utilize
this problem? Every thing will need to be temporary since I'm renting
for only as long as the job here lasts. I have the parts for a tuner.
Two roller inductors and two variable caps.

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

7217. Re: [ham-antennas] Re: Ground Straps

Yahoo group: ham-antennas (2008)
Date: 2008-12-13 20:02:43 UTC
From: Jim Coon
Topic: 7204 Message: 7217

The only problem that I can see would be the higher inductance of the braid over solid copper, but that wouldn't have much effect at HF unless the runs are very long

catboat15@... wrote:
>
> I can imagine that copper braid might be a possible problem if the
> braid was
> moved around by expansion and contraction. There would be a lot of fine
> copper wires moving against each other possibly creating problems. I
> use copper
> braid (solder sucker braid from R.S.) to solder batteries together for
> my model
> airplanes and never noticed any problems, but when dealing with RF
> strange
> things happen.
> John
> k6suf
>
> **********One site keeps you connected to all your email: AOL Mail,
> Gmail, and Yahoo Mail. The NEW
> AOL.com.(http://www.aol.com/?optin=new-dp&icid=aolcom40vanity&ncid=emlcntaolcom00000019
> <http://www.aol.com/?optin=new-dp&icid=aolcom40vanity&ncid=emlcntaolcom00000019>)
>
> [Non-text portions of this message have been removed]
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>

7218. Re: Ground Straps

Yahoo group: ham-antennas (2008)
Date: 2008-12-13 20:31:21 UTC
From: ke4vyn
Topic: 7204 Message: 7218

I have always told and been told that wide solid strap is better over braid because braid corrodes and loses it 'skin effect'.

As with wire, solid or stranded its surface area is much lower as compared to solid flat strap.

Look at the way big T.V. installation are. Granted some do use copper 'cable' but compair the size. Where copper strand is used, most of the time it is in the range of #00 or even 000. Never as small as #2 or #4.

IMHO

de KE4VYN
Lee

7219. RE: [ham-antennas] too much realestate and too many trees

Yahoo group: ham-antennas (2008)
Date: 2008-12-13 21:43:04 UTC
From: Callum m0mcx
Topic: 7211 Message: 7219

Very tall trees? Use an "XXT Mega-loop" as per the M0XXT team with three 100 foot Oak trees.

Scroll down my front page for ideas.

Callum McCormick

http://www.m0mcx.co.uk/

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of austincjett
Sent: 13 December 2008 13:56
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] too much realestate and too many trees

I'm on 33 acres with very tall trees all over it. How can I utilize this problem? Every thing will need to be temporary since I'm renting for only as long as the job here lasts. I have the parts for a tuner. Two roller inductors and two variable caps.

[Non-text portions of this message have been removed]

7220. Re: [ham-antennas] Re: Ground Straps

Yahoo group: ham-antennas (2008)
Date: 2008-12-14 00:30:28 UTC
From: Steve Friis
Topic: 7204 Message: 7220

You are absolutely correct. Every broadcast installation I have attended used copper strap. It can lay on the floor and not become a trip hazard. Although I always ensured it was protected, much harder to do when the ground wire is like a 3/8" or larger pipe. It is actually easier to install than 00 or 000 wire.

For home use, you can get Andrews to sell you 2" wide. For a commercial station I always used 3" wide strap.

If the $ amount scares you, just figure out what a lightning strike would cost you, including the damage to the feed line, the radio equipment, the other accessories, and the building if it should catch fire. You want the ground strap to have much less inductance than the coax into the building. Using a copper strap will accomplish this.

I guess if you want to do it a little cheaper, one could get 1" copper pipe and flatten in out, but that seems like an awful lot of work. If I remember right, the copper strap cost us about $.50/foot. It is #22 GA.

Steve/WM5Z
Just because you say I'm paranoid doesn't mean they aren't watching us.
No one can change the past, but we all influence the future.

ke4vyn wrote:
> I have always told and been told that wide solid strap is better over
> braid because braid corrodes and loses it 'skin effect'.
>
> As with wire, solid or stranded its surface area is much lower as
> compared to solid flat strap.
>
> Look at the way big T.V. installation are. Granted some do use
> copper 'cable' but compair the size. Where copper strand is used, most
> of the time it is in the range of #00 or even 000. Never as small as
> #2 or #4.
>
>
> IMHO
>
> de KE4VYN
> Lee
>
>
>
>

7221. Re: [ham-antennas] Re: Ground Straps

Yahoo group: ham-antennas (2008)
Date: 2008-12-14 01:23:23 UTC
From: Paul V Birke PEng
Topic: 7204 Message: 7221

I guess if you want to do it a little cheaper, one could get 1" copper pipe and flatten in out, but that seems like an awful lot of work.

said Steve

****

says Paul

I thought the "volume" of the copper parts made a better ground. So whether you flatten it or not would not make much difference. The ground should be some arrangement of connected copper bars and/or tubes to maximize a volume at a given depth in the ground. Should it not?
This would maximize the total area of a resulting "sphere" as the current enters from the operational surface area which would be more than the total area of all exposed copper surfaces making up the internals of "grounding volume".

or am I off base here?

Paul in Guelph

[Non-text portions of this message have been removed]

7222. Re: [ham-antennas] Re: Ground Straps

Yahoo group: ham-antennas (2008)
Date: 2008-12-14 01:59:46 UTC
From: Steve Friis
Topic: 7204 Message: 7222

Well, yes and no. Copper pipe would exhibit more inductance than the flat copper, although the cross sectional would be hard to beat. But the ground rod is different than the interconnect, which is where the flattening could help by lowering the inductance. Lower L reactance is wanted. You want to give lightning as low a resistance path as possible to the ground path.

Going into the ground with say 10' copper pipe is great if you can get them to penetrate. This is hard enough with plated steel ground rods! On a mountain top, where solid rock is on average 1/4" below the surface is a real problem, and broadcasters will either drill VERY EXPENSIVE holes to put ground pipes into, or lay a carpet of counterpoise to couple to the real ground, which can be several thousand feet down. Sandia Crest, by Albuquerque, New Mexico is a good example as real ground was calculated at 2,500 feet down in the winter, and 3,500 feet in the summer.

The counterpoise was built by the association of all the users on the mountain top, and it was a series of parallel copper cable 3/4" in diameter from the south end where the high power stations are clear to the north end where the FAA low power equipment and receivers are. I don't remember what the cost was, but even with over 200 users up there to divide the cost, it was still a pretty good chunk out of the budget.

At valley floor level, where the soil is sandy, like my home, putting 1" copper pipe into the ground was easy. I just put the garden hose on one end, turned on the water and let the water drill the hole. It took me less than an hour to sink 3ea. 10' copper pipes to almost 9'8", and then I just connected my tower legs to those with the copper strap. I also have a run of this through the windowsill to the station.

Steve/WM5Z
Just because you say I'm paranoid doesn't mean they aren't watching us.
No one can change the past, but we all influence the future.

Paul V Birke PEng wrote:
> I guess if you want to do it a little cheaper, one could get 1" copper
> pipe and flatten in out, but that seems like an awful lot of work.
>
> said Steve
>
> **********
>
> says Paul
>
> I thought the "volume" of the copper parts made a better ground. So whether you flatten it or not would not make much difference. The ground should be some arrangement of

connected copper bars and/or tubes to maximize a volume at a given depth in the ground. Should it not?
> This would maximize the total area of a resulting "sphere" as the current enters from the operational surface area which would be more than the total area of all exposed copper surfaces making up the internals of "grounding volume".
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> [Non-text portions of this message have been removed]
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7223. Re: [ham-antennas] Re: Ground Straps

Yahoo group: ham-antennas (2008)
Date: 2008-12-14 02:46:10 UTC
From: Paul V Birke PEng
Topic: 7204 Message: 7223

very good Steve

I sort of forgot about the connection system to the "grounded copper mass"

A lot of technology in a good ground. Just learning this now.

thanks again

Paul in Guelph (ready to take my ham test here)

From: Steve Friis <wm5z@...>
To: ham-antennas@yahoogroups.com
Sent: Saturday, December 13, 2008 8:59:46 PM
Subject: Re: [ham-antennas] Re: Ground Straps

Well, yes and no. Copper pipe would exhibit more inductance than the flat copper, although the cross sectional would be hard to beat. But the ground rod is different than the interconnect, which is where the flattening could help by lowering the inductance. Lower L reactance is wanted. You want to give lightning as low a resistance path as possible to the ground path.

Going into the ground with say 10' copper pipe is great if you can get them to penetrate. This is hard enough with plated steel ground rods! On a mountain top, where solid rock is on average 1/4" below the surface is a real problem, and broadcasters will either drill VERY EXPENSIVE holes to put ground pipes into, or lay a carpet of counterpoise to couple to the real ground, which can be several thousand feet down. Sandia Crest, by Albuquerque, New Mexico is a good example as real ground was calculated at 2,500 feet down in the winter, and 3,500 feet in the summer.

The counterpoise was built by the association of all the users on the mountain top, and it was a series of parallel copper cable 3/4" in diameter from the south end where the high power stations are clear to the north end where the FAA low power equipment and receivers are. I don't remember what the cost was, but even with over 200 users up there to divide the cost, it was still a pretty good chunk out of the budget.

At valley floor level, where the soil is sandy, like my home, putting 1" copper pipe into the ground was easy. I just put the garden hose on one end, turned on the water and let the water drill the hole. It took me less than an hour to sink 3ea. 10' copper pipes to almost 9'8", and then I just connected my tower legs to those with the copper strap. I also have a run of this through the windowsill to the station.

Steve/WM5Z
Just because you say I'm paranoid doesn't mean they aren't watching us.
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Paul V Birke PEng wrote:
> I guess if you want to do it a little cheaper, one could get 1" copper
> pipe and flatten in out, but that seems like an awful lot of work.
>
> said Steve
>
> ********** ********* ********* ********* ********
>
> says Paul
>
> I thought the "volume" of the copper parts made a better ground. So whether you flatten it or not would not make much difference. The ground should be some arrangement of connected copper bars and/or tubes to maximize a volume at a given depth in the ground. Should it not?
> This would maximize the total area of a resulting "sphere" as the current enters from the operational surface area which would be more than the total area of all exposed copper surfaces making up the internals of "grounding volume".
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> or am I off base here?
>
> Paul in Guelph
>
> [Non-text portions of this message have been removed]
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[Non-text portions of this message have been removed]

7224. Re: [ham-antennas] Re: Ground Straps

Yahoo group: ham-antennas (2008)
Date: 2008-12-14 03:05:41 UTC
From: Joe
Topic: 7204 Message: 7224

antenna ground and station ground comparisons are the same as apples and oranges

Paul V Birke PEng wrote:

>very good Steve
>
>I sort of forgot about the connection system to the "grounded copper mass"
>
>A lot of technology in a good ground. Just learning this now.
>
>thanks again
>
>Paul in Guelph (ready to take my ham test here)
>
>
>
>
>_____
>From: Steve Friis <wm5z@...>
>To: ham-antennas@yahoogroups.com
>Sent: Saturday, December 13, 2008 8:59:46 PM
>Subject: Re: [ham-antennas] Re: Ground Straps
>
>
>Well, yes and no. Copper pipe would exhibit more inductance than the
>flat copper, although the cross sectional would be hard to beat. But the
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>flattening could help by lowering the inductance. Lower L reactance is
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>to the ground path.
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>them to penetrate. This is hard enough with plated steel ground rods! On
>a mountain top, where solid rock is on average 1/4" below the surface is
>a real problem, and broadcasters will either drill VERY EXPENSIVE holes
>to put ground pipes into, or lay a carpet of counterpoise to couple to
>the real ground, which can be several thousand feet down. Sandia Crest,
>by Albuquerque, New Mexico is a good example as real ground was
>calculated at 2,500 feet down in the winter, and 3,500 feet in the summer.
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>The counterpoise was built by the association of all the users on the
>mountain top, and it was a series of parallel copper cable 3/4" in
>diameter from the south end where the high power stations are clear to
>the north end where the FAA low power equipment and receivers are. I

>don't remember what the cost was, but even with over 200 users up there
>to divide the cost, it was still a pretty good chunk out of the budget.
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>copper pipe into the ground was easy. I just put the garden hose on one
>end, turned on the water and let the water drill the hole. It took me
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>Steve/WM5Z
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>No one can change the past, but we all influence the future.
>
>Paul V Birke PEng wrote:
>
>
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>>pipe and flatten in out, but that seems like an awful lot of work.
>>
>>said Steve
>>
>>********** ********* ********* ********* ********
>>
>>says Paul
>>
>>I thought the "volume" of the copper parts made a better ground. So whether you flatten
it or not would not make much difference. The ground should be some arrangement of
connected copper bars and/or tubes to maximize a volume at a given depth in the ground.
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>>This would maximize the total area of a resulting "sphere" as the current enters from the
operational surface area which would be more than the total area of all exposed copper
surfaces making up the internals of "grounding volume".
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>>
>>or am I off base here?
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>>Paul in Guelph
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7225. Re: [ham-antennas] Re: Ground Straps

Yahoo group: ham-antennas (2008)
Date: 2008-12-14 03:23:22 UTC
From: Its from KE4VYN
Topic: 7204 Message: 7225

Yes, if your talking about RF ground and AC ground.

Lee
KE4VYN

----- Original Message -----
From: Joe<mailto:nss@...>
To: ham-antennas@yahoogroups.com<mailto:ham-antennas@yahoogroups.com>
Sent: Saturday, December 13, 2008 9:05 PM
Subject: Re: [ham-antennas] Re: Ground Straps

antenna ground and station ground comparisons are the same as apples and
oranges

Paul V Birke PEng wrote:

>very good Steve
>
>I sort of forgot about the connection system to the "grounded copper mass"
>
>A lot of technology in a good ground. Just learning this now.
>
>thanks again
>
>Paul in Guelph (ready to take my ham test here)
>
>
>
>
>_____
>From: Steve Friis <wm5z@...<mailto:wm5z%40comcast.net>>
>To: ham-antennas@yahoogroups.com<mailto:ham-antennas%40yahoogroups.com>
>Sent: Saturday, December 13, 2008 8:59:46 PM
>Subject: Re: [ham-antennas] Re: Ground Straps
>
>
>Well, yes and no. Copper pipe would exhibit more inductance than the
>flat copper, although the cross sectional would be hard to beat. But the
>ground rod is different than the interconnect, which is where the
>flattening could help by lowering the inductance. Lower L reactance is
>wanted. You want to give lightning as low a resistance path as possible
>to the ground path.
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>Going into the ground with say 10' copper pipe is great if you can get
>them to penetrate. This is hard enough with plated steel ground rods! On
>a mountain top, where solid rock is on average 1/4" below the surface is

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>The counterpoise was built by the association of all the users on the
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>less than an hour to sink 3ea. 10' copper pipes to almost 9'8", and then
>I just connected my tower legs to those with the copper strap. I also
>have a run of this through the windowsill to the station.
>
>Steve/WM5Z
>Just because you say I'm paranoid doesn't mean they aren't watching us.
>No one can change the past, but we all influence the future.
>
>Paul V Birke PEng wrote:
>
>
>>I guess if you want to do it a little cheaper, one could get 1" copper
>>pipe and flatten in out, but that seems like an awful lot of work.
>>
>>said Steve
>>
>>********** ********* ********* ********* ********
>>
>>says Paul
>>
>>I thought the "volume" of the copper parts made a better ground. So whether you flatten
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connected copper bars and/or tubes to maximize a volume at a given depth in the ground.
Should it not?
>>This would maximize the total area of a resulting "sphere" as the current enters from the
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surfaces making up the internals of "grounding volume".
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>>or am I off base here?
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>>Paul in Guelph
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7226. RE: [ham-antennas] Re: Ground Straps

Yahoo group: ham-antennas (2008)
Date: 2008-12-14 03:26:04 UTC
From: Greg DeChant
Topic: 7204 Message: 7226

How about using perforated copper plumbing strap.

73,
Greg, W8GCD

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Paul V Birke PEng
Sent: Saturday, December 13, 2008 8:23 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: Ground Straps

I guess if you want to do it a little cheaper, one could get 1" copper pipe and flatten in out, but that seems like an awful lot of work.

said Steve

****

says Paul

I thought the "volume" of the copper parts made a better ground. So whether you flatten it or not would not make much difference. The ground should be some arrangement of connected copper bars and/or tubes to maximize a volume at a given depth in the ground. Should it not?
This would maximize the total area of a resulting "sphere" as the current enters from the operational surface area which would be more than the total area of all exposed copper surfaces making up the internals of "grounding volume".

or am I off base here?

Paul in Guelph

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

7227. Re: Ground Straps

Yahoo group: ham-antennas (2008)
Date: 2008-12-14 03:28:02 UTC
From: k9qb
Topic: 7204 Message: 7227

What was the saying when our country was trying to get the other side to to agree to reducing nuclear arms?..."negotiate, but, VERIFY!!"

It's the same old saw I always get on...
Grounding is for transient voltage protection, period.

It's not for making an antenna work better or reducing received noise, for that matter!(although, under special conditions which a small fraction of one percent of hams enjoy, it truly can improve an antenna's performance!)

The noise coming into your radio is coming in through the antenna and not from your ground.

"VERIFY"...You can test this by buying copper strap at most major lumber yards...try hooking it up and also provide an alternate path using some #10 house wire (stranded or solid...it won't matter, trust me!)
Switch between them and see how much the noise changes...
It won't.

The NEC(Nat.Elec Code) describes "correct" grounding...
It is not intended to address the needs of the typical amateur radio station, but, if complied with, will afford protection that most of us don't presently enjoy.

Most hams,(yours truly included) are deficient in proper ground protection).

Interestingly, the NEC doesn't include the use of braided copper, but it does allow for the use of #6 stranded...but, that has nothing to do with noise reduction.

Again, the typical amateur radio station has needs that go beyond the NEC, but, the NEC is a good place to start!

Also, you can consult the many fine articles on the subject that the ARRL has published.

If you're wanting a magic bullet to reduce noice...best to look somewhere else...sorry!

Mike WA5PSE

--- In ham-antennas@yahoogroups.com, "Rick" <wa6es@...> wrote:
>
> This is sort of related to antennas. Ground straps, I have a very
> smart friend who just happens to be a very smart electronics engineer

> who works on radio systems design for a very smart company. You see
> where I am going now. He said that braid ground should be avoided for
> grounding radios because it causes more noise than gets rid of. He
> said that the flat copper strips are the best. Now I have a heck of a
> lot of braid that I am going to use this weekend. I sort of never get
> around to grounding my gear. 5 years no ground to radios,just lucky
> here in California. Anyway what do you very smart people think about
> the braid causing problems or what is the best conductor for a ground
> to the gear from my brand new ground bus bar. Dang they are expensive!
>
> Rick/WA6ES
>

7228. Re: [ham-antennas] Re: Ground Straps

Yahoo group: ham-antennas (2008)
Date: 2008-12-14 04:10:53 UTC
From: Steve Friis
Topic: 7204 Message: 7228

Good luck on your ham test. When you pass, look for me on 20 or 15 or 10
meters PSK31 or one of the other digi modes.

Steve/WM5Z
Just because you say I'm paranoid doesn't mean they aren't watching us.
No one can change the past, but we all influence the future.

Paul V Birke PEng wrote:
> very good Steve
>
> I sort of forgot about the connection system to the "grounded copper mass"
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> A lot of technology in a good ground. Just learning this now.
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> Paul in Guelph (ready to take my ham test here)
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> _____
> From: Steve Friis <wm5z@...>
> To: ham-antennas@yahoogroups.com
> Sent: Saturday, December 13, 2008 8:59:46 PM
> Subject: Re: [ham-antennas] Re: Ground Straps
>
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> Well, yes and no. Copper pipe would exhibit more inductance than the
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> a real problem, and broadcasters will either drill VERY EXPENSIVE holes
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> mountain top, and it was a series of parallel copper cable 3/4" in
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> At valley floor level, where the soil is sandy, like my home, putting 1"
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>> said Steve
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>> This would maximize the total area of a resulting "sphere" as the current enters from the operational surface area which would be more than the total area of all exposed copper surfaces making up the internals of "grounding volume".
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7229. Re: [ham-antennas] Re: Ground Straps

Yahoo group: ham-antennas (2008)
Date: 2008-12-14 05:44:29 UTC
From: Paul V Birke PEng
Topic: 7204 Message: 7229

thanks Steve for your kind words

Paul

_____
From: Steve Friis <wm5z@...>
To: ham-antennas@yahoogroups.com
Sent: Saturday, December 13, 2008 11:10:53 PM
Subject: Re: [ham-antennas] Re: Ground Straps

Good luck on your ham test. When you pass, look for me on 20 or 15 or 10
meters PSK31 or one of the other digi modes.

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> Paul in Guelph (ready to take my ham test here)
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> _____ _____ _____ __
> From: Steve Friis <wm5z@comcast. net>
> To: ham-antennas@ yahoogroups. com
> Sent: Saturday, December 13, 2008 8:59:46 PM
> Subject: Re: [ham-antennas] Re: Ground Straps
>
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> Steve/WM5Z
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7230. Push Pole grounds...

Yahoo group: ham-antennas (2008)
Date: 2008-12-14 15:47:39 UTC
From: Norm Blitch
Topic: 7230 Message: 7230

Nudging away from Ground Straps, but in MY mind related, please consider.

I have a 30' push-pole mast supporting a Davis Weather head. I have ADDED to this a MFJ Super-J for my local 6 and 2 meter needs (I have ALWAYS loved this antenna BTW). AFAIK, it is NOT insulated from the mounting U-bolt hardware (please correct me if I am wrong) , and therefore is connected electrically to the steel pipe. The FEEDLINE is connected to my Earth ground where it passes thru my window bulkhead. Given all this, should I ALSO connect the mast to my earth ground (copper pipe into the soil)??

Further, soon I will be erecting a 50' push pole that will be used ONLY as a hoist point for wire antennas. the ANTENNAS themselves will connect to Earth ground via feedline, but again, what about the mast itself??

73 de Norm KE4GAH

[Non-text portions of this message have been removed]

7231. Re: [ham-antennas] Push Pole grounds...

Yahoo group: ham-antennas (2008)
Date: 2008-12-14 16:24:01 UTC
From: Steve Friis
Topic: 7230 Message: 7231

I would do what ever I can to shunt lightning to ground. I also would put a two or more turn loop of coax between the panel and the pole. This will act as a choke to sort of force the lightning to take the path of least resistance to ground, and not into your dwelling. I use a 16" diameter coil with about 4 or 5 turns here. I have 3 verticals spread out across the property and a wire fan dipole array here, all doing this. All the poles have a ground rod, and the tower has 3 ground rods in an arc around the base. Plus we have a AV620 vertical. It, too has it's own ground rod. If it pokes skyward, it gets a ground rod. Period. With copper strap between the poles and the ground rod.

Steve/WM5Z
No one can change the past, but we all influence the future.

Norm Blitch wrote:
> Nudging away from Ground Straps, but in MY mind related, please consider.
>
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> 73 de Norm KE4GAH
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7232. Re: [ham-antennas] Push Pole grounds...

Yahoo group: ham-antennas (2008)
Date: 2008-12-14 19:40:23 UTC
From: Jim Coon
Topic: 7230 Message: 7232

What is a push pole?

On Sun, Dec 14, 2008 at 10:47 AM, Norm Blitch <normblitch@...>wrote:

> Nudging away from Ground Straps, but in MY mind related, please
> consider.
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> I have a 30' push-pole mast supporting a Davis Weather head. I have ADDED
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> this a MFJ Super-J for my local 6 and 2 meter needs (I have ALWAYS loved
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> 73 de Norm KE4GAH
>
> [Non-text portions of this message have been removed]
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>
>

--
Jim

[Non-text portions of this message have been removed]

7233. Re: [ham-antennas] Push Pole grounds...

Yahoo group: ham-antennas (2008)
Date: 2008-12-14 19:52:07 UTC
From: Steve Friis
Topic: 7230 Message: 7233

A push pole is a telescopic pole made of members of steel tubing where one section fits within the next section and so on. They are usually 10 foot sections, and come in lengths of 20 feet (2 sections) to 50 feet (5 sections). Sometimes they are called push-up poles, telescoping poles.

Hope that helps.

Steve/WM5Z
No one can change the past, but we all influence the future.

Jim Coon wrote:
> What is a push pole?
>
> On Sun, Dec 14, 2008 at 10:47 AM, Norm Blitch <normblitch@...>wrote:
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7234. Re: [ham-antennas] Push Pole grounds...

Yahoo group: ham-antennas (2008)
Date: 2008-12-14 20:07:58 UTC
From: Al lewek
Topic: 7230 Message: 7234

where can tou purchase these "push poles"? I dont recall seeing them advertised.
Thanks. AL WA9APL

--- On Sun, 12/14/08, Steve Friis <wm5z@...> wrote:
From: Steve Friis <wm5z@comcast.net>
Subject: Re: [ham-antennas] Push Pole grounds...
To: ham-antennas@yahoogroups.com
Date: Sunday, December 14, 2008, 1:52 PM

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one section fits within the next section and so on. They are usually 10

foot sections, and come in lengths of 20 feet (2 sections) to 50 feet (5

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Jim Coon wrote:

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> On Sun, Dec 14, 2008 at 10:47 AM, Norm Blitch <normblitch@mindspri ng.com>wrote:

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>> I have a 30' push-pole mast supporting a Davis Weather head. I have ADDED

>> to

>> this a MFJ Super-J for my local 6 and 2 meter needs (I have ALWAYS loved

>> this antenna BTW). AFAIK, it is NOT insulated from the mounting U-bolt

>> hardware (please correct me if I am wrong) , and therefore is connected

>> electrically to the steel pipe. The FEEDLINE is connected to my Earth

>> ground where it passes thru my window bulkhead. Given all this, should I

>> ALSO connect the mast to my earth ground (copper pipe into the soil)??

>>

>> Further, soon I will be erecting a 50' push pole that will be used ONLY as

>> a hoist point for wire antennas. the ANTENNAS themselves will connect to

>> Earth ground via feedline, but again, what about the mast itself??

>>

>> 73 de Norm KE4GAH

>>

>> [Non-text portions of this message have been removed]

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[Non-text portions of this message have been removed]

7235. Re: [ham-antennas] Push Pole grounds...

Yahoo group: ham-antennas (2008)
Date: 2008-12-14 20:16:45 UTC
From: Charles Hendrick
Topic: 7230 Message: 7235

I would suggest that each mast should be grounded to a ground rod at each mast (assumeing that they are a distance from eah other)
Chuck n3xib
Pss I had a 40 ft push mast some years ago, they are great

--- On Sun, 12/14/08, Norm Blitch <normblitch@...> wrote:

From: Norm Blitch <normblitch@...>
Subject: [ham-antennas] Push Pole grounds...
To: ham-antennas@yahoogroups.com
Date: Sunday, December 14, 2008, 10:47 AM

Nudging away from Ground Straps, but in MY mind related, please consider.

I have a 30' push-pole mast supporting a Davis Weather head. I have ADDED to this a MFJ Super-J for my local 6 and 2 meter needs (I have ALWAYS loved this antenna BTW). AFAIK, it is NOT insulated from the mounting U-bolt hardware (please correct me if I am wrong) , and therefore is connected electrically to the steel pipe. The FEEDLINE is connected to my Earth ground where it passes thru my window bulkhead. Given all this, should I ALSO connect the mast to my earth ground (copper pipe into the soil)??

Further, soon I will be erecting a 50' push pole that will be used ONLY as a hoist point for wire antennas. the ANTENNAS themselves will connect to Earth ground via feedline, but again, what about the mast itself??

73 de Norm KE4GAH

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

7236. Re: [ham-antennas] Push Pole grounds...

Yahoo group: ham-antennas (2008)
Date: 2008-12-14 20:56:48 UTC
From: jeff
Topic: 7230 Message: 7236

Steve Friis wrote:
> A push pole is a telescopic pole made of members of steel tubing where
> one section fits within the next section and so on. They are usually 10
> foot sections, and come in lengths of 20 feet (2 sections) to 50 feet (5
> sections). Sometimes they are called push-up poles, telescoping poles.

I saw some at Lowe's.

There's a few guys at hamfests selling what appears to be army surplus
that would be great for this. It's 3-4' sections of plastic tubing that
inserts into the next piece, like a really large vacuum extension. You
can get a plate for the foot of it as well as a ring for wire or guys.
Great for temporary too. Sometimes comes with what looks like an army
duffel bag to carry the pieces.

It's also the best way for a cheap acrophobic to get wire high in the air :)

-=-=-
... My dog trained the neighbors to bring him treats.
* TagZilla 0.066 * http://tagzilla.mozdev.org

7237. Re: [ham-antennas] Push Pole grounds...

Yahoo group: ham-antennas (2008)
Date: 2008-12-14 21:04:04 UTC
From: Steve Friis
Topic: 7230 Message: 7237

The ones I have I bought at Radio Shack years ago. I don't know if they still sell them any more.

You could make your own, though. I have seen Aluminum tubing for sale at Texas Towers and other places. I'd start with their largest size, then progress down. I seem to recall they have 12' and 6' sections.

I have also seen steel tubing in similar sizes. The disadvantage of those would be rust. The Push Poles are zinc plated.

Steve/WM5Z
No one can change the past, but we all influence the future.

Al lewek wrote:
> where can tou purchase these "push poles"? I dont recall seeing them advertised. Thanks.
AL WA9APL
>
> --- On Sun, 12/14/08, Steve Friis <wm5z@...> wrote:
> From: Steve Friis <wm5z@...>
> Subject: Re: [ham-antennas] Push Pole grounds...
> To: ham-antennas@yahoogroups.com
> Date: Sunday, December 14, 2008, 1:52 PM
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> A push pole is a telescopic pole made of members of steel tubing where
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> one section fits within the next section and so on. They are usually 10
>
> foot sections, and come in lengths of 20 feet (2 sections) to 50 feet (5
>
> sections). Sometimes they are called push-up poles, telescoping poles.
>
>
>
> Hope that helps.
>
>

>
> Steve/WM5Z
>
> No one can change the past, but we all influence the future.
>
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>
> Jim Coon wrote:
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>
>> What is a push pole?
>>
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>> On Sun, Dec 14, 2008 at 10:47 AM, Norm Blitch <normblitch@mindspri ng.com>wrote:
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>>> Nudging away from Ground Straps, but in MY mind related, please
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>>> consider.
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>>> I have a 30' push-pole mast supporting a Davis Weather head. I have ADDED
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>>> this a MFJ Super-J for my local 6 and 2 meter needs (I have ALWAYS loved
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>
>>> this antenna BTW). AFAIK, it is NOT insulated from the mounting U-bolt
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>>> hardware (please correct me if I am wrong) , and therefore is connected
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>>> electrically to the steel pipe. The FEEDLINE is connected to my Earth
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>>> ground where it passes thru my window bulkhead. Given all this, should I
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>>> ALSO connect the mast to my earth ground (copper pipe into the soil)??
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>>> Further, soon I will be erecting a 50' push pole that will be used ONLY as
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>>> a hoist point for wire antennas. the ANTENNAS themselves will connect to
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>>> Earth ground via feedline, but again, what about the mast itself??
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>>> 73 de Norm KE4GAH
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>>> [Non-text portions of this message have been removed]
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> [Non-text portions of this message have been removed]
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> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 1446 members (as of 9/26/08, and attachments are NOT permitted.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
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7238. Source for flexible rod for loop antenna?

Yahoo group: ham-antennas (2008)
Date: 2008-12-14 21:07:11 UTC
From: David Feldman
Topic: 7238 Message: 7238

I'm beginning to gather parts for a receive loop antenna project. The loop will be 1.5M/5' diameter and ideally I'd like to support it solely from the bottom. I'm looking for advice on suitable material for building the loop structure; I have in mind rod of the consistency of a fishing rod - where two pieces could be bent into semicircles, joined at the top under tension, and then lashed with wire that would make the antenna conductor.

Any suggestions, or does anyone know what this type of stuff would be called?

Thanks,

73 Dave WB0GAZ wb0gaz@...

7239. Re: [ham-antennas] Push Pole grounds...

Yahoo group: ham-antennas (2008)
Date: 2008-12-14 21:07:45 UTC
From: Earl Needham
Topic: 7230 Message: 7239

Steve Friis wrote:
> The ones I have I bought at Radio Shack years ago. I don't know if they
> still sell them any more.
>

I've seen them in the past 6 months or so at Lowe's.

7 3
Earl

--
KD5XB -- Earl Needham
Clovis, New Mexico DM84jk
http://groups.yahoo.com/group/cw_bugs
Quoting from the Coast Guard: ZUT

7240. Re: [ham-antennas] Source for flexible rod for loop antenna?

Yahoo group: ham-antennas (2008)
Date: 2008-12-14 23:21:14 UTC
From: Steve Friis
Topic: 7238 Message: 7240

Why for such a small diameter (1.5 meter) would you want to use wire?
The currents are very high, and to keep the efficiency high you would
need to use a very large diameter wire.

If you were to use copper pipe, it would be much easier to keep upright.

There are web sites devoted to Magnetic loop antenna.
<http://magneticloopantenna.com/>
<http://www.dxzone.com/catalog/Antennas/Magnetic_Loop/>
<http://home.paonline.com/dsarraf/Mag_Loops.htm>

to name a few.

GL. They do work, but there are a lot of pitfalls.

Steve/WM5Z
No one can change the past, but we all influence the future.

David Feldman wrote:
> I'm beginning to gather parts for a receive loop antenna project. The loop
> will be 1.5M/5' diameter and ideally I'd like to support it solely from the
> bottom. I'm looking for advice on suitable material for building the loop
> structure; I have in mind rod of the consistency of a fishing rod - where
> two pieces could be bent into semicircles, joined at the top under tension,
> and then lashed with wire that would make the antenna conductor.
>
> Any suggestions, or does anyone know what this type of stuff would be
> called?
>
> Thanks,
>
> 73 Dave WB0GAZ wb0gaz@...
>
> ----------
>
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> Yahoo! Groups Links
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>

7241. Re: [ham-antennas] Source for flexible rod for loop antenna?

Yahoo group: ham-antennas (2008)
Date: 2008-12-14 23:28:22 UTC
From: Jim Coon
Topic: 7238 Message: 7241

Hula hoop?

On Sun, Dec 14, 2008 at 4:07 PM, David Feldman <wb0gaz@...> wrote:

> I'm beginning to gather parts for a receive loop antenna project. The
> loop
> will be 1.5M/5' diameter and ideally I'd like to support it solely from the
> bottom. I'm looking for advice on suitable material for building the loop
> structure; I have in mind rod of the consistency of a fishing rod - where
> two pieces could be bent into semicircles, joined at the top under tension,
> and then lashed with wire that would make the antenna conductor.
>
> Any suggestions, or does anyone know what this type of stuff would be
> called?
>
> Thanks,
>
> 73 Dave WB0GAZ wb0gaz@... <wb0gaz%40hotmail.com>
>
>

--
Jim

[Non-text portions of this message have been removed]

7242. carolina windom antenna

Yahoo group: ham-antennas (2008)
Date: 2008-12-15 04:07:35 UTC
From: ke7uyc
Topic: 7242 Message: 7242

Im looking at there antennas has anyone used one are they great antennas
or are the mosty hype

7243. Re: [ham-antennas] carolina windom antenna

Yahoo group: ham-antennas (2008)
Date: 2008-12-15 04:23:30 UTC
From: NICK LERRO
Topic: 7242 Message: 7243

Yes,
I used one as a back up antenna, as time went I now used 2 of them as my main antennas,
made contacts through the entire globe
very satisfied with the Carolina Windom.
good luck
Have fun
Happy Holidays
73 w3nrl
Nick

----- Original Message -----
From: ke7uyc<mailto:ke7uyc@...>
To: ham-antennas@yahoogroups.com<mailto:ham-antennas@yahoogroups.com>
Sent: Sunday, December 14, 2008 11:07 PM
Subject: [ham-antennas] carolina windom antenna

Im looking at there antennas has anyone used one are they great antennas
or are the mosty hype

[Non-text portions of this message have been removed]

7244. Re: Carolina windom antenna

Yahoo group: ham-antennas (2008)
Date: 2008-12-15 06:07:00 UTC
From: ke4vyn
Topic: 7242 Message: 7244

Great antenna, but many variations.

de KE4VYN
Lee

--- In ham-antennas@yahoogroups.com, "ke7uyc" <ke7uyc@...> wrote:
>
> Im looking at there antennas has anyone used one are they great
antennas
> or are the mosty hype
>

7245. Re: carolina windom antenna

Yahoo group: ham-antennas (2008)
Date: 2008-12-15 15:43:26 UTC
From: kg6xf
Topic: 7242 Message: 7245

For many years used the Fritzel on 80-10, mainly 80/40. Worked a treat at about 35' with the short leg sloping down to around 15' This was in the days before solid state so the Pi output tuned and loaded fine. With new rig, an ATU is advised

John (ex GM3POK)

--- In ham-antennas@...m, "ke7uyc" <ke7uyc@...> wrote:
>
> Im looking at there antennas has anyone used one are they great antennas
> or are the mosty hype
>

7246. Re: [ham-antennas] Re: RF Caution Signs

Yahoo group: ham-antennas (2008)
Date: 2008-12-15 17:59:46 UTC
From: Brett Rowe
Topic: 7190 Message: 7246

Sorry for the delay getting back to you. That auction is over, but I still have signs, so I have put a new auction up.
And yes, I will accept money orders. No personal checks though.

Thanks again. Here's the link.
http://shop. ebay.com/ merchant/ brjecass
Here is what the sign reads

"Caution

Beyond this point:
Radio Frequency fields at this site
may exceed FCC rules for human
exposure.

For your safety, obey all posted signs and
site guidelines for working in radio
frequency environments.

In accordance with Federal Communications Commission rules on radio
frequency emissions 47 CFR 1.1307(b)"

From: Mark Blanton <wc5m@...>
To: ham-antennas@yahoogroups.com
Sent: Thursday, December 11, 2008 9:31:27 AM
Subject: [ham-antennas] Re: RF Caution Signs

Your photo is so small you cannot read what the sign actually says.
Clicking on the "View larger photo" does no better.

Mark WC5M

--- In ham-antennas@ yahoogroups. com, "frontrowe1" <frontrowe1@ ...>
wrote:
>
> I have a few more new RF Caution signs for sale on ebay. They are
> currently available for $0.99 with only a day left. Check the link
> below to see a photo and details.
> It's the perfect really big stocking stuffer for your favorite
radio
> enthusiast!
>
> http://shop. ebay.com/ merchant/ brjecass
>
> Thanks
> BR

>

[Non-text portions of this message have been removed]

7247. Re: Push Pole grounds...

Yahoo group: ham-antennas (2008)
Date: 2008-12-15 18:29:25 UTC
From: Keith
Topic: 7230 Message: 7247

Texas Towers sells the push up poles up to 50 feet.
Rohn does make a 70 foot push up pole.

The aluminum tubing Texas Towers sells wouldn't be a good candidate
for a push up pole, to tight of tolerance.
You can only telescope it so far before it begins to gall and WONT
come apart, been there, done that.

The 50 foot poles only extend to 44 feet, if you need the full 50
feet you can extend the bottom by 6 feet by splitting a steel 8 foot
fence post down the center about 28 inches, put a bolt through it at
2 feet to keep the inner sections of pole from falling through.
Clamp the split fence post around the pole with SST hose clamps.
The steel fence rail brackets make good eve mounting brackets too.

Keith

--- In ham-antennas@yahoogroups.com, Steve Friis <wm5z@...> wrote:
>
> The ones I have I bought at Radio Shack years ago. I don't know if
they
> still sell them any more.
>
> You could make your own, though. I have seen Aluminum tubing for
sale at
> Texas Towers and other places. I'd start with their largest size,
then
> progress down. I seem to recall they have 12' and 6' sections.
>
> I have also seen steel tubing in similar sizes. The disadvantage of
> those would be rust. The Push Poles are zinc plated.
>
>
> Steve/WM5Z
> No one can change the past, but we all influence the future.
>
>
>

7248. Assistance Please

Yahoo group: ham-antennas (2008)
Date: 2008-12-15 18:37:15 UTC
From: Greg DeChant
Topic: 7248 Message: 7248

Anyone have any experience with a Hy-Gain AV-6160 antenna?

7249. Re: carolina windom antenna

Yahoo group: ham-antennas (2008)
Date: 2008-12-15 18:52:31 UTC
From: kl7oh
Topic: 7242 Message: 7249

put up a carolina windom and wish I'd found it years ago. Only up about 30 feet, and I now use it as my main antenna. Running a TS-430 barefoot and have worked over 100 countries and all state, and this is from the Aurora belt in Alaska! Chuck KL7OH Fairbanks

--- In ham-antennas@yahoogroups.com, "ke7uyc" <ke7uyc@...> wrote:
>
> Im looking at there antennas has anyone used one are they great antennas
> or are the mosty hype
>

7250. Re: [ham-antennas] Assistance Please

Yahoo group: ham-antennas (2008)
Date: 2008-12-15 18:55:34 UTC
From: John Lewis
Topic: 7248 Message: 7250

It's best to post your problem, so those who may know the answer can reply...

John
WA6SPA

----- Original Message -----
From: "Greg DeChant" <gcdechant@...>
To: ham-antennas@yahoogroups.com
Date: Mon, 15 Dec 2008 18:37:15 -0000
Subject: [ham-antennas] Assistance Please

> Anyone have any experience with a Hy-Gain AV-6160 antenna?
>
>
>

7251. RE: [ham-antennas] Assistance Please

Yahoo group: ham-antennas (2008)
Date: 2008-12-15 19:20:52 UTC
From: Greg DeChant
Topic: 7248 Message: 7251

Hi John!

I am considering on buying this antenna and want to know if someone knows anything about it.

73,
Greg, W8GCD

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of John Lewis
Sent: Monday, December 15, 2008 1:56 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Assistance Please

It's best to post your problem, so those who may know the answer can reply...

John
WA6SPA

----- Original Message -----
From: "Greg DeChant" <gcdechant@...
<mailto:gcdechant%40roadrunner.com> >
To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
Date: Mon, 15 Dec 2008 18:37:15 -0000
Subject: [ham-antennas] Assistance Please

> Anyone have any experience with a Hy-Gain AV-6160 antenna?
>
>
>

[Non-text portions of this message have been removed]

7252. Re: [ham-antennas] Assistance Please

Yahoo group: ham-antennas (2008)
Date: 2008-12-15 19:40:43 UTC
From: radio817@tmo.blackberry.net
Topic: 7248 Message: 7252

>>I am considering on buying this antenna and want to know if someone knows anything about it.

What antenna? Where is it going? What bands do you want? Etc.....

John
KE7JSL
Sent via BlackBerry from T-Mobile

7253. Re: [ham-antennas] Assistance Please

Yahoo group: ham-antennas (2008)
Date: 2008-12-15 19:42:40 UTC
From: radio817@tmo.blackberry.net
Topic: 7248 Message: 7253

Sorry didn't read down far enough. But the other questions do apply.

John
KE7JSL
Sent via BlackBerry from T-Mobile

7254. Re: Assistance Please

Yahoo group: ham-antennas (2008)
Date: 2008-12-15 19:46:05 UTC
From: Greg DeChant
Topic: 7248 Message: 7254

Sorry. I thought the rest of my message copied through.

Anyone have any experience with a Hy-Gain AV-6160 antenna? It is a relatively new product and operates at 1500w 2 to 160 meters with a tutuner. i have a small garden space to work with and can't use my treesa for antenna mounts because of the commercial power lines.

--- In ham-antennas@yahoogroups.com, radio817@... wrote:
>
> >>I am considering on buying this antenna and want to know if someone knows
> anything about it.
>
>
> What antenna? Where is it going? What bands do you want? Etc.....
>
> John
> KE7JSL
> Sent via BlackBerry from T-Mobile
>

7255. Re: [ham-antennas] Re: Push Pole grounds...

Yahoo group: ham-antennas (2008)
Date: 2008-12-15 19:49:09 UTC
From: Steve Friis
Topic: 7230 Message: 7255

I bought a bunch of their aluminum pipes and after deburring worked just fine.

I didn't notice that they had the pushup poles. I used the aluminum because what was wanted was something to use with the RV. I wanted it to collapse into short sections, but still put my G5RV up at 38 feet or so. Works like a charm for us. stows under the storage compartment along with the other antenna parts, some tools and a few other items.

Steve/WM5Z
No one can change the past, but we all influence the future.

Keith wrote:
> Texas Towers sells the push up poles up to 50 feet.
> Rohn does make a 70 foot push up pole.
>
> The aluminum tubing Texas Towers sells wouldn't be a good candidate
> for a push up pole, to tight of tolerance.
> You can only telescope it so far before it begins to gall and WONT
> come apart, been there, done that.
>
> The 50 foot poles only extend to 44 feet, if you need the full 50
> feet you can extend the bottom by 6 feet by splitting a steel 8 foot
> fence post down the center about 28 inches, put a bolt through it at
> 2 feet to keep the inner sections of pole from falling through.
> Clamp the split fence post around the pole with SST hose clamps.
> The steel fence rail brackets make good eve mounting brackets too.
>
> Keith
>
>
> --- In ham-antennas@yahoogroups.com, Steve Friis <wm5z@...> wrote:
>
>> The ones I have I bought at Radio Shack years ago. I don't know if
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> they
>
>> still sell them any more.
>>
>> You could make your own, though. I have seen Aluminum tubing for
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> sale at
>
>> Texas Towers and other places. I'd start with their largest size,
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> then

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>> progress down. I seem to recall they have 12' and 6' sections.
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>> I have also seen steel tubing in similar sizes. The disadvantage of
>> those would be rust. The Push Poles are zinc plated.
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>> Steve/WM5Z
>> No one can change the past, but we all influence the future.
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>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 1446 members (as of 9/26/08, and attachments are NOT permitted.
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> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
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7256. Re: [ham-antennas] Assistance Please

Yahoo group: ham-antennas (2008)
Date: 2008-12-15 19:54:23 UTC
From: Steve Friis
Topic: 7248 Message: 7256

If it is as bad as the AV620, then I would say stay away. I have the 620, and it is a poor radiator. I hear better on my dipoles than I do on the vertical.

Steve/WM5Z
No one can change the past, but we all influence the future.

Greg DeChant wrote:
> Anyone have any experience with a Hy-Gain AV-6160 antenna?
>
>
> ----------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 1446 members (as of 9/26/08, and attachments are NOT permitted.
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> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
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7257. Re: [ham-antennas] Re: Assistance Please

Yahoo group: ham-antennas (2008)
Date: 2008-12-15 20:04:19 UTC
From: radio817@tmo.blackberry.net
Topic: 7248 Message: 7257

Hi,

No experience with that antenna but any antenna is better than none :) I have read about similar antennas and they do work. As you probably know anytime a tuner is used losses happen. If those losses are acceptable AND the antenna CAN'T fall on those power lines its a good compromise. Ventenna makes a portable dipole easy to set up take down. 200w max. Not cheap but might be an option.

John
KE7JSL
Sent via BlackBerry from T-Mobile

7258. Re: [ham-antennas] Re: Assistance Please

Yahoo group: ham-antennas (2008)
Date: 2008-12-15 22:03:13 UTC
From: Siegfried Jackstien
Topic: 7248 Message: 7258

dear greg
400 bucks for 43feet of tubing and a balun ..... that is hard
you have to use a tuner at the base of the antenna cause it is not resonant on any band
if you use a tuner in the shack the losses in the feedline will be very high
so for the external autotuner another 300 bucks .... not a cheap antennasystem
and any other antenna will be better i think
you can buy a 40 foot fishingpole for 100 bucks or so
ad some wire and buy a autotuner ....
or feed the antenna with ladderline and a tuner in the shack
would be not better but cheaper
for the rest of your money you can buy some other stuff
best 73´s de dg9bfc
sigi

----- Original Message -----
From: Greg DeChant
To: ham-antennas@yahoogroups.com
Sent: Monday, December 15, 2008 8:46 PM
Subject: [ham-antennas] Re: Assistance Please

Sorry. I thought the rest of my message copied through.

Anyone have any experience with a Hy-Gain AV-6160 antenna? It is a
relatively new product and operates at 1500w 2 to 160 meters with a
tutuner. i have a small garden space to work with and can't use my
treesa for antenna mounts because of the commercial power lines.

--- In ham-antennas@yahoogroups.com, radio817@... wrote:
>
> >>I am considering on buying this antenna and want to know if someone
knows
> anything about it.
>
>
> What antenna? Where is it going? What bands do you want? Etc.....
>
> John
> KE7JSL
> Sent via BlackBerry from T-Mobile
>

[Non-text portions of this message have been removed]

7259. Re: Assistance Please

Yahoo group: ham-antennas (2008)
Date: 2008-12-15 22:30:50 UTC
From: ke4vyn
Topic: 7248 Message: 7259

Please do not think that a antenna will give you a range of 2m to
160m. Two things will happen. The antenna will work fairly good
somewhere and you wont be able to get out of your back yard anywhere
else.

Antennas give and get.

Lee
KE4VYN

> ----- Original Message -----
> From: Greg DeChant
> To: ham-antennas@yahoogroups.com
> Sent: Monday, December 15, 2008 8:46 PM
> Subject: [ham-antennas] Re: Assistance Please
>
>
> Sorry. I thought the rest of my message copied through.
>
> Anyone have any experience with a Hy-Gain AV-6160 antenna? It is
a
> relatively new product and operates at 1500w 2 to 160 meters with
a
> tutuner. i have a small garden space to work with and can't use
my
> treesa for antenna mounts because of the commercial power lines.
>
> --- In ham-antennas@yahoogroups.com, radio817@ wrote:
> >
> > >>I am considering on buying this antenna and want to know if
someone
> knows
> > anything about it.
> >
> >
> > What antenna? Where is it going? What bands do you want?
Etc.......
> >
> > John
> > KE7JSL
> > Sent via BlackBerry from T-Mobile
> >
>
>
>
>

>
> [Non-text portions of this message have been removed]
>

7260. Re: [ham-antennas] Re: Assistance Please

Yahoo group: ham-antennas (2008)
Date: 2008-12-15 22:56:57 UTC
From: Dan Schaaf
Topic: 7248 Message: 7260

Dear Greg,

I can't comment on the AV-6160, although Hy-Gain does have a good reputation. But, it is a lot of money for the hardware that you get.

I use a Hy-Gain AV-640 which is a resonant antenna on 40 through 6 meters. NO RADIALS !!! I have worked 299 countries with it. It works great. For a small house lot, it is worth every dollar spent. Any questions, email me. The price is about $400 but trust me, it is worth it.

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com "In the Beginning, there was Spark Gap"

----- Original Message -----
From: Siegfried Jackstien
To: ham-antennas@yahoogroups.com
Sent: Monday, December 15, 2008 5:03 PM
Subject: Re: [ham-antennas] Re: Assistance Please

dear greg
400 bucks for 43feet of tubing and a balun ..... that is hard
you have to use a tuner at the base of the antenna cause it is not resonant on any band
if you use a tuner in the shack the losses in the feedline will be very high
so for the external autotuner another 300 bucks .... not a cheap antennasystem
and any other antenna will be better i think
you can buy a 40 foot fishingpole for 100 bucks or so
ad some wire and buy a autotuner ....
or feed the antenna with ladderline and a tuner in the shack
would be not better but cheaper
for the rest of your money you can buy some other stuff
best 73´s de dg9bfc
sigi

----- Original Message -----
From: Greg DeChant
To: ham-antennas@yahoogroups.com
Sent: Monday, December 15, 2008 8:46 PM
Subject: [ham-antennas] Re: Assistance Please

Sorry. I thought the rest of my message copied through.

Anyone have any experience with a Hy-Gain AV-6160 antenna? It is a relatively new product and operates at 1500w 2 to 160 meters with a tutuner. i have a small garden space to work with and can't use my treesa for antenna mounts because of the commercial power lines.

--- In ham-antennas@yahoogroups.com, radio817@... wrote:
>
> >>I am considering on buying this antenna and want to know if someone
knows
> anything about it.
>
>
> What antenna? Where is it going? What bands do you want? Etc.....
>
> John
> KE7JSL
> Sent via BlackBerry from T-Mobile
>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

7261. RE: [ham-antennas] Re: Assistance Please

Yahoo group: ham-antennas (2008)
Date: 2008-12-15 23:21:49 UTC
From: Richard Schmuke
Topic: 7248 Message: 7261

Hy-Gain does make some good antennas but the 6160 won□t work good on all the bands, If you put a external tuner at the base you can make it load up on 2 or 6 or 160 but it will not give you a good radition pattern. They do make good multi band verticals. This is just a stick in the air. You can get very good vertical antennas with gain for 2 and 6 and a separate one with traps or stubs for 10 thru 40 or even 80. What band do you have to have??

Rich , KDØZZ

Disclaimer: Any errors in spelling or facts are transmission errors.

----- Original Message -----
From: Greg DeChant
To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
Sent: Monday, December 15, 2008 8:46 PM
Subject: [ham-antennas] Re: Assistance Please

Sorry. I thought the rest of my message copied through.

Anyone have any experience with a Hy-Gain AV-6160 antenna? It is a relatively new product and operates at 1500w 2 to 160 meters with a tutuner. i have a small garden space to work with and can't use my treesa for antenna mounts because of the commercial power lines.

--- In ham-antennas@...m <mailto:ham-antennas%40yahoogroups.com>
, radio817@... wrote:
>
> >>I am considering on buying this antenna and want to know if someone
knows
> anything about it.
>
>
> What antenna? Where is it going? What bands do you want? Etc.....
>
> John
> KE7JSL

[Non-text portions of this message have been removed]

7262. Re: carolina windom antenna

Yahoo group: ham-antennas (2008)
Date: 2008-12-16 01:47:07 UTC
From: ke7uyc
Topic: 7242 Message: 7262

I have seen a few differnt ones whos Carolina Windom do you reccomend currenty im looking at the one sold by radioworks & the one sold by radiowavz any prefernce ?

--- In ham-antennas@yahoogroups.com, "NICK LERRO" <w3nrl@...> wrote:
>
> Yes,
> I used one as a back up antenna, as time went I now used 2 of them as my main antennas, made contacts through the entire globe
> very satisfied with the Carolina Windom.
> good luck
> Have fun
> Happy Holidays
> 73 w3nrl
> Nick
>
> ----- Original Message -----
> From: ke7uyc<mailto:ke7uyc@...>
> To: ham-antennas@yahoogroups.com<mailto:ham-antennas@yahoogroups.com>
> Sent: Sunday, December 14, 2008 11:07 PM
> Subject: [ham-antennas] carolina windom antenna
>
>
> Im looking at there antennas has anyone used one are they great antennas
> or are the mosty hype
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

7263. Re: Assistance Please

Yahoo group: ham-antennas (2008)
Date: 2008-12-16 03:26:40 UTC
From: Rick
Topic: 7248 Message: 7263

Well let me speak up now. Since I use a 40ft whip in the air that works fine for me I was looking at this, heck 3 more feet just might work a little better. My version works from 6m to 160m. If you look at other advertisements a few other antenna companies are trying to put out the same type of antenna. Antenna restrictions and condo living is pushing this. MFJ(who owns Hy-Gain I heard) has there own version and if you look carefully at their add it is the same picture. Like I said I am seriously looking at this version or the MFJ version(cheaper in cost). Also talking with a Hy Gain engineer who used the 30ft version(not released) he liked it and still uses it. Yes I know what else would he say. Anyway if you get it read the instructions a couple of times because from my experience I always miss the simple things.

GL

Rick/WA6ES
--- In ham-antennas@yahoogroups.com, "Greg DeChant" <gcdechant@...> wrote:
>
> Anyone have any experience with a Hy-Gain AV-6160 antenna?
>

7264. Re: Push Pole grounds...

Yahoo group: ham-antennas (2008)
Date: 2008-12-16 13:20:05 UTC
From: n1kfc
Topic: 7230 Message: 7264

Hi Al,

Here are some suggestions:

http://www.tmastco.com/
I have purchased items from this source at hamfests and have been well satisfied.

Others:

http://www.radioshack.com/product/index.jsp?productId=2062033
http://www.antennamast.com/
http://www.tessco.com/products/displayProducts.do?groupId=341&subgroupId=70

Good luck and don't forget to guy the mast if necessary.

73,
Mark
N1KFC

--- In ham-antennas@yahoogroups.com, Al lewek <alewek@...> wrote:
>
> where can tou purchase these "push poles"? I dont recall seeing them advertised. Thanks. AL WA9APL
>

7265. Re: Assistance Please

Yahoo group: ham-antennas (2008)
Date: 2008-12-16 15:05:58 UTC
From: wd4elg_base
Topic: 7248 Message: 7265

I purchased the same model from Zero-Five antennas...43 foot with tuner at the base. You can read my observations on eham.net:

http://www.eham.net/reviews/review/74121

Mark Lunday
WD4ELG
http://wd4elg.net

7266. Re: [ham-antennas] Re: Push Pole grounds...

Yahoo group: ham-antennas (2008)
Date: 2008-12-16 20:26:11 UTC
From: Al lewek
Topic: 7230 Message: 7266

Thanks Mark. Good leads. I appreciate the info. AL - WA9APL

--- On Tue, 12/16/08, n1kfc <n1_kfc@...> wrote:
From: n1kfc <n1_kfc@...>
Subject: [ham-antennas] Re: Push Pole grounds...
To: ham-antennas@yahoogroups.com
Date: Tuesday, December 16, 2008, 7:20 AM

Hi Al,

Here are some suggestions:

http://www.tmastco. com/

I have purchased items from this source at hamfests and have been well

satisfied.

Others:

http://www.radiosha ck.com/product/ index.jsp? productId= 2062033

http://www.antennam ast.com/

http://www.tessco. com/products/ displayProducts. do?groupId= 341&subgroupId= 70

Good luck and don't forget to guy the mast if necessary.

73,

Mark

N1KFC

--- In ham-antennas@ yahoogroups. com, Al lewek <alewek@...> wrote:

>

> where can tou purchase these "push poles"? I dont recall seeing

them advertised. Thanks. AL WA9APL

>

[Non-text portions of this message have been removed]

7267. hf dipole query

Yahoo group: ham-antennas (2008)
Date: 2008-12-17 10:31:24 UTC
From: thomas104394
Topic: 7267 Message: 7267

Hi to all,
looking to erect a dipole for 40 meters but due to
limitations in my backyard the only way it will fit is in a horizontal
vee formation.Would like to ask the group when calculating dimensions
does the percentage less rule apply as for an inverted vee antenna, any
input on the subject would be most welcome.

Tom 2m0azw

7268. Re: [ham-antennas] hf dipole query

Yahoo group: ham-antennas (2008)
Date: 2008-12-17 11:55:49 UTC
From: Siegfried Jackstien
Topic: 7267 Message: 7268

all depends on your local area , height over ground etc.
so just make it a bit longer and then cut and try cut and try
best 73´s de dg9bfc
sigi
----- Original Message -----
From: thomas104394
To: ham-antennas@yahoogroups.com
Sent: Wednesday, December 17, 2008 11:31 AM
Subject: [ham-antennas] hf dipole query

Hi to all,
looking to erect a dipole for 40 meters but due to
limitations in my backyard the only way it will fit is in a horizontal
vee formation.Would like to ask the group when calculating dimensions
does the percentage less rule apply as for an inverted vee antenna, any
input on the subject would be most welcome.

Tom 2m0azw

[Non-text portions of this message have been removed]

7269. 160 Meter Dipole with 2 different wires?.

Yahoo group: ham-antennas (2008)
Date: 2008-12-17 12:15:55 UTC
From: visualco2
Topic: 7269 Message: 7269

I'd like to erect a 160 Mtr. Dipole or similar Ant.
I'm using RS speaker wire (14Ga.) "flat braided insulated" wire. The wire is 50'. Pulled apart I would have 100'. Which I know is not long enough. Would it be OK if I added another type of wire to this . I have a spool of 14 Ga. Tinned copper strand insulated wire appox. 100' so each leg of the dipole would be approximately 100'.
By joining 2 different wires would I be causing some weird distortions or currents?.
Thanks N1UVW

7270. Re: [ham-antennas] 160 Meter Dipole with 2 different wires?.

Yahoo group: ham-antennas (2008)
Date: 2008-12-17 13:14:50 UTC
From: Jim Coon
Topic: 7269 Message: 7270

It is a single wire. It won't make much difference. The things that will make a difference would be where you put it, how close to other objects isit?, how high off the ground is it? If you were connecting wire to tubing or pipe, it woud make more of a difference. The larger the diameter of the conductor, it appears the wider the band width of the antenna.

On Wed, Dec 17, 2008 at 7:15 AM, visualco2 <visualco2@...> wrote:

> I'd like to erect a 160 Mtr. Dipole or similar Ant.
> I'm using RS speaker wire (14Ga.) "flat braided insulated" wire. The
> wire is 50'. Pulled apart I would have 100'. Which I know is not long
> enough. Would it be OK if I added another type of wire to this . I
> have a spool of 14 Ga. Tinned copper strand insulated wire appox. 100'
> so each leg of the dipole would be approximately 100'.
> By joining 2 different wires would I be causing some weird
> distortions or currents?.
> Thanks N1UVW
>
>
>

--
Jim

[Non-text portions of this message have been removed]

7271. Hi, I'm a 61 yr old new general

Yahoo group: ham-antennas (2008)
Date: 2008-12-17 14:37:06 UTC
From: greathounder
Topic: 7271 Message: 7271

I'm in the process of assembling my hf station. I've got a K'wood TS-2000 and yesterday I got my MFJ 998 auto tuner. I'm now waiting for the antenna. A 43ft MFJ 6 - 160 antenna. Here's where things get different. I plan to mount the antenna inside the garage, in the attic, and push the main part of it thru a 21/4 hole in the roof. Then I'll run my radials on the under side of the roof. With snow on the roof and a bad leg, I really don't think I should be climbing on the roof. What I'm wondering, should I get a choke unit or just put 10 wraps of coax around a piece of pvc pipe? Any how, that's the way I plan to do things. Anyone have any suggestions on a better way to do this. I don't have enough property to ground mount....Thanks...Bill N8VWI

7272. Re: [ham-antennas] Hi, I'm a 61 yr old new general

Yahoo group: ham-antennas (2008)
Date: 2008-12-17 15:02:57 UTC
From: John Lewis
Topic: 7271 Message: 7272

Hi - Kind of OT but being a newly licensed general, how'd you get a N call instead of K call? Curious.

----- Original Message -----
From: "greathounder" <greathounder@...>
To: ham-antennas@yahoogroups.com
Date: Wed, 17 Dec 2008 14:37:06 -0000
Subject: [ham-antennas] Hi, I'm a 61 yr old new general

> I'm in the process of assembling my hf station. I've got a K'wood TS-
> 2000 and yesterday I got my MFJ 998 auto tuner. I'm now waiting for the
> antenna. A 43ft MFJ 6 - 160 antenna. Here's where things get different.
> I plan to mount the antenna inside the garage, in the attic, and push
> the main part of it thru a 21/4 hole in the roof. Then I'll run my
> radials on the under side of the roof. With snow on the roof and a bad
> leg, I really don't think I should be climbing on the roof. What I'm
> wondering, should I get a choke unit or just put 10 wraps of coax
> around a piece of pvc pipe? Any how, that's the way I plan to do
> things. Anyone have any suggestions on a better way to do this. I don't
> have enough property to ground mount....Thanks. ..Bill N8VWI
>
>
>

7273. Re: [ham-antennas] Hi, I'm a 61 yr old new general

Yahoo group: ham-antennas (2008)
Date: 2008-12-17 15:08:17 UTC
From: vlincoln
Topic: 7271 Message: 7273

Interesting plan, keep the group posted on how it works, sounds like a solution to a problem for a number of us. Almost a 'stealth' installation.
wd8aam

At 14:37 12/17/2008, you wrote:

>I'm in the process of assembling my hf station. I've got a K'wood TS-
>2000 and yesterday I got my MFJ 998 auto tuner. I'm now waiting for the
>antenna. A 43ft MFJ 6 - 160 antenna. Here's where things get different.
>I plan to mount the antenna inside the garage, in the attic, and push
>the main part of it thru a 21/4 hole in the roof. Then I'll run my
>radials on the under side of the roof. With snow on the roof and a bad
>leg, I really don't think I should be climbing on the roof. What I'm
>wondering, should I get a choke unit or just put 10 wraps of coax
>around a piece of pvc pipe? Any how, that's the way I plan to do
>things. Anyone have any suggestions on a better way to do this. I don't
>have enough property to ground mount....Thanks...Bill N8VWI
>
>

[Non-text portions of this message have been removed]

7274. Re: [ham-antennas] Hi, I'm a 61 yr old new general

Yahoo group: ham-antennas (2008)
Date: 2008-12-17 15:10:13 UTC
From: greathounder@aol.com
Topic: 7271 Message: 7274

I was a no code tech for 1 1/2 licenses, as my wife still is, N8WKQ. I upgraded in Sept, this year. So I got it honestly ;-) ..Bill N8VWI

In a message dated 12/17/2008 10:03:21 AM Eastern Standard Time, wa6spa@... writes:

Hi - Kind of OT but being a newly licensed general, how'd you get a N call instead of K call? Curious.

----- Original Message -----
From: "greathounder" <_greathounder@greatho_ (mailto:greathounder@...) >
To: _ham-antennas@ham-antennasham_ (mailto:ham-antennas@yahoogroups.com)
Date: Wed, 17 Dec 2008 14:37:06 -0000
Subject: [ham-antennas] Hi, I'm a 61 yr old new general

> I'm in the process of assembling my hf station. I've got a K'wood TS-
> 2000 and yesterday I got my MFJ 998 auto tuner. I'm now waiting for the
> antenna. A 43ft MFJ 6 - 160 antenna. Here's where things get different.
> I plan to mount the antenna inside the garage, in the attic, and push
> the main part of it thru a 21/4 hole in the roof. Then I'll run my
> radials on the under side of the roof. With snow on the roof and a bad
> leg, I really don't think I should be climbing on the roof. What I'm
> wondering, should I get a choke unit or just put 10 wraps of coax
> around a piece of pvc pipe? Any how, that's the way I plan to do
> things. Anyone have any suggestions on a better way to do this. I don't
> have enough property to ground mount....Thanks. ..Bill N8VWI
>
>
>

**********One site keeps you connected to all your email: AOL Mail, Gmail, and Yahoo Mail. Try it now. (http://www.aol.com/?optin=new-dp&icid=aolcom40vanity&ncid=emlcntaolcom00000025)

[Non-text portions of this message have been removed]

7275. Re: [ham-antennas] 160 Meter Dipole with 2 different wires?.

Yahoo group: ham-antennas (2008)
Date: 2008-12-17 15:10:53 UTC
From: Siegfried Jackstien
Topic: 7269 Message: 7275

should make no problem
just ad that wire and it will be fine
the problem is on another side....
making the antenna from copper wire would result that the antenna will be longer and longer
after some time .... it will stretch out and after a few years you have to cut some inches
the resonance points will move lower and lower ... and in some days the antenna will break
i used aluminium fence wire for my antenna ...
very strong but lightweight
for some years it will work with your wire but you should know that this is not "forever"
best 73´s de dg9bfc
sigi

----- Original Message -----
From: visualco2
To: ham-antennas@yahoogroups.com
Sent: Wednesday, December 17, 2008 1:15 PM
Subject: [ham-antennas] 160 Meter Dipole with 2 different wires?.

I'd like to erect a 160 Mtr. Dipole or similar Ant.
I'm using RS speaker wire (14Ga.) "flat braided insulated" wire. The
wire is 50'. Pulled apart I would have 100'. Which I know is not long
enough. Would it be OK if I added another type of wire to this . I
have a spool of 14 Ga. Tinned copper strand insulated wire appox. 100'
so each leg of the dipole would be approximately 100'.
By joining 2 different wires would I be causing some weird
distortions or currents?.
Thanks N1UVW

[Non-text portions of this message have been removed]

7276. Re: [ham-antennas] Hi, I'm a 61 yr old new general

Yahoo group: ham-antennas (2008)
Date: 2008-12-17 15:14:01 UTC
From: Chuck Schultz
Topic: 7271 Message: 7276

I am sure that the call is a vanity call . Go to QRZ.com and look up the call sign and then look at the codeing referring to the call . I could have done this for you but after 30 years of hamming I have discovered that many of us learn best by expirence. Welcome to the hobby and remember there are no dumb questions if asked. Chuck Wq5B (also a vanity call, look it up)
----- Original Message -----
From: John Lewis
To: ham-antennas@yahoogroups.com
Sent: Wednesday, December 17, 2008 9:02 AM
Subject: Re: [ham-antennas] Hi, I'm a 61 yr old new general

Hi - Kind of OT but being a newly licensed general, how'd you get a N call instead of K call? Curious.

----- Original Message -----
From: "greathounder" <greathounder@...>
To: ham-antennas@yahoogroups.com
Date: Wed, 17 Dec 2008 14:37:06 -0000
Subject: [ham-antennas] Hi, I'm a 61 yr old new general

> I'm in the process of assembling my hf station. I've got a K'wood TS-
> 2000 and yesterday I got my MFJ 998 auto tuner. I'm now waiting for the
> antenna. A 43ft MFJ 6 - 160 antenna. Here's where things get different.
> I plan to mount the antenna inside the garage, in the attic, and push
> the main part of it thru a 21/4 hole in the roof. Then I'll run my
> radials on the under side of the roof. With snow on the roof and a bad
> leg, I really don't think I should be climbing on the roof. What I'm
> wondering, should I get a choke unit or just put 10 wraps of coax
> around a piece of pvc pipe? Any how, that's the way I plan to do
> things. Anyone have any suggestions on a better way to do this. I don't
> have enough property to ground mount....Thanks. ..Bill N8VWI
>
>
>

[Non-text portions of this message have been removed]

7277. Re: [ham-antennas] Hi, I'm a 61 yr old new general

Yahoo group: ham-antennas (2008)
Date: 2008-12-17 15:18:34 UTC
From: John Lewis
Topic: 7271 Message: 7277

Goo deal - congrats on the upgrade. If I wasn't still half asleep I probably would have figured it out eventually :))

Have a good one... BTW: Interesting antenna project, I hope it works out for you.

----- Original Message -----
From: greathounder@...
To: ham-antennas@yahoogroups.com
Date: Wed, 17 Dec 2008 10:10:13 EST
Subject: Re: [ham-antennas] Hi, I'm a 61 yr old new general

>
> I was a no code tech for 1 1/2 licenses, as my wife still is, N8WKQ. I
> upgraded in Sept, this year. So I got it honestly ;-) ..Bill N8VWI
>
>
> In a message dated 12/17/2008 10:03:21 AM Eastern Standard Time,
> wa6spa@yahoo. com writes:
>
> Hi - Kind of OT but being a newly licensed general, how'd you get a N call
> instead of K call? Curious.
>
> ----- Original Message -----
> From: "greathounder" <_greathounder@ greatho_ (mailto:greathounder@ aol.com) >
> To: _ham-antennas@ ham-antennasham_ (mailto:ham-antennas@ yahoogroups. com)
> Date: Wed, 17 Dec 2008 14:37:06 -0000
> Subject: [ham-antennas] Hi, I'm a 61 yr old new general
>
> > I'm in the process of assembling my hf station. I've got a K'wood TS-
> > 2000 and yesterday I got my MFJ 998 auto tuner. I'm now waiting for the
> > antenna. A 43ft MFJ 6 - 160 antenna. Here's where things get different.
> > I plan to mount the antenna inside the garage, in the attic, and push
> > the main part of it thru a 21/4 hole in the roof. Then I'll run my
> > radials on the under side of the roof. With snow on the roof and a bad
> > leg, I really don't think I should be climbing on the roof. What I'm
> > wondering, should I get a choke unit or just put 10 wraps of coax
> > around a piece of pvc pipe? Any how, that's the way I plan to do
> > things. Anyone have any suggestions on a better way to do this. I don't
> > have enough property to ground mount....Thanks. ..Bill N8VWI
> >
> >
> >
>
> ********** **One site keeps you connected to all your email: AOL Mail,
> Gmail, and Yahoo Mail. Try it now.
> (http://www.aol. com/?optin= new-dp&icid= aolcom40vanity& ncid=emlcntaolco m00000025)

>
> [Non-text portions of this message have been removed]
>
>
>

7278. Re: [ham-antennas] Hi, I'm a 61 yr old new general

Yahoo group: ham-antennas (2008)
Date: 2008-12-17 15:20:04 UTC
From: greathounder@aol.com
Topic: 7271 Message: 7278

Thanks for the good wishes. It's not a vanity call, N8VWI was issued to me on 10/06/92. Have a greyt day...Bill N8VWI

In a message dated 12/17/2008 10:14:17 AM Eastern Standard Time, wq5b@... writes:

I am sure that the call is a vanity call . Go to QRZ.com and look up the call sign and then look at the codeing referring to the call . I could have done this for you but after 30 years of hamming I have discovered that many of us learn best by expirence. Welcome to the hobby and remember there are no dumb questions if asked. Chuck Wq5B (also a vanity call, look it up)
----- Original Message -----
From: John Lewis
To: _ham-antennas@ham-antennasham_ (mailto:ham-antennas@yahoogroups.com)
Sent: Wednesday, December 17, 2008 9:02 AM
Subject: Re: [ham-antennas] Hi, I'm a 61 yr old new general

Hi - Kind of OT but being a newly licensed general, how'd you get a N call instead of K call? Curious.

----- Original Message -----
From: "greathounder" <_greathounder@greatho_ (mailto:greathounder@...) >
To: _ham-antennas@ham-antennasham_ (mailto:ham-antennas@yahoogroups.com)
Date: Wed, 17 Dec 2008 14:37:06 -0000
Subject: [ham-antennas] Hi, I'm a 61 yr old new general

> I'm in the process of assembling my hf station. I've got a K'wood TS-
> 2000 and yesterday I got my MFJ 998 auto tuner. I'm now waiting for the
> antenna. A 43ft MFJ 6 - 160 antenna. Here's where things get different.
> I plan to mount the antenna inside the garage, in the attic, and push
> the main part of it thru a 21/4 hole in the roof. Then I'll run my
> radials on the under side of the roof. With snow on the roof and a bad
> leg, I really don't think I should be climbing on the roof. What I'm
> wondering, should I get a choke unit or just put 10 wraps of coax
> around a piece of pvc pipe? Any how, that's the way I plan to do
> things. Anyone have any suggestions on a better way to do this. I don't
> have enough property to ground mount....Thanks. ..Bill N8VWI
>
>
>

[Non-text portions of this message have been removed]

**********One site keeps you connected to all your email: AOL Mail, Gmail, and Yahoo Mail. Try it now.
(http://www.aol.com/?optin=new-dp&icid=aolcom40vanity&ncid=emlcntaolcom00000025)

[Non-text portions of this message have been removed]

7279. Re: [ham-antennas] Hi, I'm a 61 yr old new general

Yahoo group: ham-antennas (2008)
Date: 2008-12-17 15:22:16 UTC
From: Siegfried Jackstien
Topic: 7271 Message: 7279

dear bill
your vertical antenna with tuner under it should work well for dx
you have to put your tuner direct under the antenna (in the garage) ... not in the shack
the losses on the feedingline would be VERY high when the tuner is in the shack
if you have the tuner in the garage your vertical would work good on dx for the lower bands
for vthe higher band the antenna will put your power at a high angle so not very good
for receiving the vertical would receive much noise so it would be good to errect a dipole or loop
if you can do this.....
also for nvis transmissions a dipole or horizontal loop is better so better for short skip and local contacts ....
but a bad antenna is better than no antenna :-)
good luck and enjoy our hobby
best 73´s de dg9bfc
sigi
----- Original Message -----
From: greathounder
To: ham-antennas@yahoogroups.com
Sent: Wednesday, December 17, 2008 3:37 PM
Subject: [ham-antennas] Hi, I'm a 61 yr old new general

I'm in the process of assembling my hf station. I've got a K'wood TS-2000 and yesterday I got my MFJ 998 auto tuner. I'm now waiting for the antenna. A 43ft MFJ 6 - 160 antenna. Here's where things get different. I plan to mount the antenna inside the garage, in the attic, and push the main part of it thru a 21/4 hole in the roof. Then I'll run my radials on the under side of the roof. With snow on the roof and a bad leg, I really don't think I should be climbing on the roof. What I'm wondering, should I get a choke unit or just put 10 wraps of coax around a piece of pvc pipe? Any how, that's the way I plan to do things. Anyone have any suggestions on a better way to do this. I don't have enough property to ground mount....Thanks...Bill N8VWI

[Non-text portions of this message have been removed]

7280. Re: [ham-antennas] Hi, I'm a 61 yr old new general

Yahoo group: ham-antennas (2008)
Date: 2008-12-17 15:23:50 UTC
From: Chuck Schultz
Topic: 7271 Message: 7280

I suppose I have learned to look before you assume . I did not realize that there so few hams in the 8th call district that the " N " calls were still available . I also got a good look at the new format on QRZ.com. It looks good Chuck Wq5B
----- Original Message -----
From: Chuck Schultz
To: ham-antennas@yahoogroups.com
Sent: Wednesday, December 17, 2008 9:14 AM
Subject: Re: [ham-antennas] Hi, I'm a 61 yr old new general

I am sure that the call is a vanity call . Go to QRZ.com and look up the call sign and then look at the codeing referring to the call . I could have done this for you but after 30 years of hamming I have discovered that many of us learn best by expirence. Welcome to the hobby and remember there are no dumb questions if asked. Chuck Wq5B (also a vanity call, look it up)
----- Original Message -----
From: John Lewis
To: ham-antennas@yahoogroups.com
Sent: Wednesday, December 17, 2008 9:02 AM
Subject: Re: [ham-antennas] Hi, I'm a 61 yr old new general

Hi - Kind of OT but being a newly licensed general, how'd you get a N call instead of K call? Curious.

----- Original Message -----
From: "greathounder" <greathounder@...>
To: ham-antennas@yahoogroups.com
Date: Wed, 17 Dec 2008 14:37:06 -0000
Subject: [ham-antennas] Hi, I'm a 61 yr old new general

> I'm in the process of assembling my hf station. I've got a K'wood TS-
> 2000 and yesterday I got my MFJ 998 auto tuner. I'm now waiting for the
> antenna. A 43ft MFJ 6 - 160 antenna. Here's where things get different.
> I plan to mount the antenna inside the garage, in the attic, and push
> the main part of it thru a 21/4 hole in the roof. Then I'll run my
> radials on the under side of the roof. With snow on the roof and a bad
> leg, I really don't think I should be climbing on the roof. What I'm
> wondering, should I get a choke unit or just put 10 wraps of coax
> around a piece of pvc pipe? Any how, that's the way I plan to do
> things. Anyone have any suggestions on a better way to do this. I don't
> have enough property to ground mount....Thanks. ..Bill N8VWI
>
>
>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

7281. Re: 160 Meter Dipole with 2 different wires?.

Yahoo group: ham-antennas (2008)
Date: 2008-12-17 15:32:05 UTC
From: visualco2
Topic: 7269 Message: 7281

--- In ham-antennas@yahoogroups.com, "Siegfried Jackstien"
<siegfried.jackstien@...> wrote:
>
> should make no problem
> just ad that wire and it will be fine
> the problem is on another side....
> making the antenna from copper wire would result that the antenna
will be longer and longer after some time .... it will stretch out and
after a few years you have to cut some inches
> the resonance points will move lower and lower ... and in some days
the antenna will break
> i used aluminium fence wire for my antenna ...
> very strong but lightweight
> for some years it will work with your wire but you should know that
this is not "forever"
> best 73´s de dg9bfc
> sigi

Thanks to all for the reply's .
I'll keep that in mind, I never thought about stretching. Aluminum
fence wire sounds like a good choice. I'll check it out.
Thanks again and Happy Holidays to all
73' N1UVW
>
> ----- Original Message -----
> From: visualco2
> To: ham-antennas@yahoogroups.com
> Sent: Wednesday, December 17, 2008 1:15 PM
> Subject: [ham-antennas] 160 Meter Dipole with 2 different wires?.
>
>
> I'd like to erect a 160 Mtr. Dipole or similar Ant.
> I'm using RS speaker wire (14Ga.) "flat braided insulated" wire. The
> wire is 50'. Pulled apart I would have 100'. Which I know is not long
> enough. Would it be OK if I added another type of wire to this . I
> have a spool of 14 Ga. Tinned copper strand insulated wire appox. 100'
> so each leg of the dipole would be approximately 100'.
> By joining 2 different wires would I be causing some weird
> distortions or currents?.
> Thanks N1UVW
>
>
>
>
>

> [Non-text portions of this message have been removed]
>

7282. RE: [ham-antennas] Hi, I'm a 61 yr old new general

Yahoo group: ham-antennas (2008)
Date: 2008-12-17 15:39:12 UTC
From: Richard Schmuke
Topic: 7271 Message: 7282

Hi Bill , glad to hear from a new ham. I do understand a bad leg , at 64 and after two back operations I have my legs give out on me at times and I can☐t climb a tower , or a roof in snow. About your roof what is it made of?? Don☐t know how the radials will work thru the roof. I had a 40M vertical in the center of my shed and worked OK. If you run guy wires, just take a square piece of polycarbonate and drill a hole in it slip fit with let☐s say 1in tubing and then a hole in each corner for the guys. It will hold its self in place at the hose clamp for the next section. I made my antenna from two sections of 1☐ conduit then a piece of 3/4 with an old CB whip as a top, made a 4 legged stand about 4 ft tall , the feet of the stand were just on the roof with caulk so I did not have to put a hole in the roof. It was supported by the 4 guywires and held up thru some rough winters and high winds. I try to keep form putting holes in my roof because leaks are not good for me. My shed roof is 40☐ x70☐, steel, but it did not provide a good of a counterpoise as a set of radial wires on 40 out to the corners of the shed. I moved the radio system to the house because I did not enjoy the trips thru the snow and made a tilt up system for my antennas.

You only need room for a 12☐ hole in the ground for a ground mount.

Rich , KDØZZ

Disclaimer: Any errors in spelling or facts are transmission errors.

Subject: [ham-antennas] Hi, I'm a 61 yr old new general

I'm in the process of assembling my hf station. I've got a K'wood TS-2000 and yesterday I got my MFJ 998 auto tuner. I'm now waiting for the antenna. A 43ft MFJ 6 - 160 antenna. Here's where things get different. I plan to mount the antenna inside the garage, in the attic, and push the main part of it thru a 21/4 hole in the roof. Then I'll run my radials on the under side of the roof. With snow on the roof and a bad leg, I really don't think I should be climbing on the roof. What I'm wondering, should I get a choke unit or just put 10 wraps of coax around a piece of pvc pipe? Any how, that's the way I plan to do things. Anyone have any suggestions on a better way to do this. I don't have enough property to ground mount....Thanks...Bill N8VWI

[Non-text portions of this message have been removed]

7283. RE: [ham-antennas] 160 Meter Dipole with 2 different wires?.

Yahoo group: ham-antennas (2008)
Date: 2008-12-17 16:46:21 UTC
From: Richard Schmuke
Topic: 7269 Message: 7283

There should be no problem with the two wires as long as you have a good solder joint. My only question is do you get ice and wind in your area. I do at my QTH , mid- Missouri. I have to use something stronger to keep it up. I used 14ga copperweld for the antenna and then small steel cable out to the supports. You will have a lot of stretch with soft copper for 160m.

Rich ,KDØZZ ,

from the middle of Missouri , out in the sticks with the hicks and the ticks.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of visualco2
Sent: Wednesday, December 17, 2008 6:16 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] 160 Meter Dipole with 2 different wires?.

I'd like to erect a 160 Mtr. Dipole or similar Ant.
I'm using RS speaker wire (14Ga.) "flat braided insulated" wire. The wire is 50'. Pulled apart I would have 100'. Which I know is not long enough. Would it be OK if I added another type of wire to this . I have a spool of 14 Ga. Tinned copper strand insulated wire appox. 100' so each leg of the dipole would be approximately 100'.
By joining 2 different wires would I be causing some weird distortions or currents?.
Thanks N1UVW

[Non-text portions of this message have been removed]

7284. Re: [ham-antennas] Hi, I'm a 61 yr old new general

Yahoo group: ham-antennas (2008)
Date: 2008-12-17 17:00:43 UTC
From: Ham Station
Topic: 7271 Message: 7284

greathounder@... wrote:
>
> Thanks for the good wishes. It's not a vanity call, N8VWI was issued to me
> on 10/06/92. Have a greyt day...Bill N8VWI
>
>
>
Don't feel bad, I have been accused of having a vanity call too. Can't
for the life of me figure out why I would have asked for this call. Oh well.

Glad to see you upgraded. Only one more step, oh, come on, you can do it.

Steve/WM5Z

7285. RE: [ham-antennas] Hi, I'm a 61 yr old new general

Yahoo group: ham-antennas (2008)
Date: 2008-12-17 17:12:01 UTC
From: Callum m0mcx
Topic: 7271 Message: 7285

Bill,

If this were me, I would continue with your installation as planned and use half a dozen good quality, large ferrite clamps. It☐s just my preference. I have used turns on PVC piping but I prefer the clamps. For ease of installation (and I just think they work better - but I'm not scientific about this, it's just gut feeling!!)

Some comments / questions:

- Are you planning on putting in ☐tuned☐ quarter-wave radials for any particular band, say 30 foot radials for 40m etc..?
- Assume you are feeding this with coax because the antenna already resonates roughly on each of the claimed bands, yes..?
- Assume that you could probably get away without the auto-tuner because the TS2000 would dial out minor mismatches?

Sounds fun though ☐ best of luck OM.

73 from Birmingham, UK.

Callum McCormick
http://www.m0mcx.co.uk/

"If I build it, you might hear me"

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of greathounder
Sent: 17 December 2008 14:37
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Hi, I'm a 61 yr old new general

I'm in the process of assembling my hf station. I've got a K'wood TS-2000 and yesterday I got my MFJ 998 auto tuner. I'm now waiting for the antenna. A 43ft MFJ 6 - 160 antenna. Here's where things get different. I plan to mount the antenna inside the garage, in the attic, and push the main part of it thru a 21/4 hole in the roof. Then I'll run my radials on the under side of the roof. With snow on the roof and a bad leg, I really don't think I should be climbing on the roof. What I'm wondering, should I get a choke unit or just put 10 wraps of coax around a piece of pvc pipe? Any how, that's the way I plan to do things. Anyone have any suggestions on a better way to do this. I don't have enough property to ground mount....Thanks...Bill N8VWI

7286. Re: Hi, I'm a 61 yr old new general

Yahoo group: ham-antennas (2008)
Date: 2008-12-17 18:59:57 UTC
From: al_kozakiewicz
Topic: 7271 Message: 7286

Callum,

The problem with using ferrite chokes in this application (inherent mismatch and current flowing in the braid) is that they can heat up quite a bit. An air choke won't self-ignite.

As far as the rest goes, I've never quite understood the fascination with this antenna and others like it. I've read numerous glowing reviews, but ultimately you're paying $400 for 43' of aluminum tubing, an insulator and a few SS screws. Tubing stock with pre-cut slits is only about $1 a foot. This is almost 10x as much. I just don't get it.

With a resonant vertical mounted above the ground, you need resonant radials. What do you do with a 'multiband' non-resonant radiator? At least when you mount a vertical on the ground, you don't need to worry about the resonance of the radials, unless perhaps you're in a desert.

Just my thoughts,

Al
AB2ZY

--- In ham-antennas@yahoogroups.com, "Callum m0mcx" <callum@...>
wrote:
>
> Bill,
>
> If this were me, I would continue with your installation as planned
and use
> half a dozen good quality, large ferrite clamps. It's just my
preference. I
> have used turns on PVC piping but I prefer the clamps. For ease of
> installation (and I just think they work better - but I'm not
scientific
> about this, it's just gut feeling!!)
>
> Some comments / questions:
>
> - Are you planning on putting in "tuned" quarter-wave radials for
any
> particular band, say 30 foot radials for 40m etc..?
> - Assume you are feeding this with coax because the antenna already
> resonates roughly on each of the claimed bands, yes..?
> - Assume that you could probably get away without the auto-tuner

because the
> TS2000 would dial out minor mismatches?
>
> Sounds fun though ☐ best of luck OM.
>
> 73 from Birmingham, UK.
>
> Callum McCormick
> http://www.m0mcx.co.uk/
>
> "If I build it, you might hear me"
>
>
>
> From: ham-antennas@yahoogroups.com [mailto:ham-
antennas@yahoogroups.com] On
> Behalf Of greathounder
> Sent: 17 December 2008 14:37
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] Hi, I'm a 61 yr old new general
>
> I'm in the process of assembling my hf station. I've got a K'wood
TS-
> 2000 and yesterday I got my MFJ 998 auto tuner. I'm now waiting for
the
> antenna. A 43ft MFJ 6 - 160 antenna. Here's where things get
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I'm
> wondering, should I get a choke unit or just put 10 wraps of coax
> around a piece of pvc pipe? Any how, that's the way I plan to do
> things. Anyone have any suggestions on a better way to do this. I
don't
> have enough property to ground mount....Thanks...Bill N8VWI
>

7287. Re: [ham-antennas] Hi, I'm a 61 yr old new general

Yahoo group: ham-antennas (2008)
Date: 2008-12-17 19:13:31 UTC
From: Steve Friis
Topic: 7271 Message: 7287

If he's been a tech for the last 15 years, that would explain it.

Steve/WM5Z
No one can change the past, but we all influence the future.

Chuck Schultz wrote:
> I am sure that the call is a vanity call . Go to QRZ.com and look up the call sign and then look at the codeing referring to the call . I could have done this for you but after 30 years of hamming I have discovered that many of us learn best by expirence. Welcome to the hobby and remember there are no dumb questions if asked. Chuck Wq5B (also a vanity call, look it up)
> ----- Original Message -----
> From: John Lewis
> To: ham-antennas@yahoogroups.com
> Sent: Wednesday, December 17, 2008 9:02 AM
> Subject: Re: [ham-antennas] Hi, I'm a 61 yr old new general
>
>
> Hi - Kind of OT but being a newly licensed general, how'd you get a N call instead of K call? Curious.
>
> ----- Original Message -----
> From: "greathounder" <greathounder@...>
> To: ham-antennas@yahoogroups.com
> Date: Wed, 17 Dec 2008 14:37:06 -0000
> Subject: [ham-antennas] Hi, I'm a 61 yr old new general
>
> > I'm in the process of assembling my hf station. I've got a K'wood TS-
> > 2000 and yesterday I got my MFJ 998 auto tuner. I'm now waiting for the
> > antenna. A 43ft MFJ 6 - 160 antenna. Here's where things get different.
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> > leg, I really don't think I should be climbing on the roof. What I'm
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> > around a piece of pvc pipe? Any how, that's the way I plan to do
> > things. Anyone have any suggestions on a better way to do this. I don't
> > have enough property to ground mount....Thanks. ..Bill N8VWI
> >
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>
> [Non-text portions of this message have been removed]
>
>
> ----------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 1446 members (as of 9/26/08, and attachments are NOT permitted.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
>
>

7288. Room for one.

Yahoo group: ham-antennas (2008)
Date: 2008-12-17 19:34:22 UTC
From: radio817@tmo.blackberry.net
Topic: 7288 Message: 7288

I understand if you have room you should put up a resonant dipole for each band you want to operate. The G5RV, OCD, etc with a tuner are all a compromise antennas. Am I correct it would be better to put a resonant dipole up for the band I want to use the most and then use a tuner for the rest? Thanks.

John
KE7JSL
Sent via BlackBerry from T-Mobile

7289. Re: Room for one.

Yahoo group: ham-antennas (2008)
Date: 2008-12-17 19:42:59 UTC
From: al_kozakiewicz
Topic: 7288 Message: 7289

It depends on what band(s) are important to you and what you have the resources for. If, for example, you want to work dx, a resonant dipole mounted too low will greatly disappoint. A compromise antenna might actually work better.

Al
AB2ZY

--- In ham-antennas@yahoogroups.com, radio817@... wrote:
>
> I understand if you have room you should put up a resonant dipole for each band you want to operate. The G5RV, OCD, etc with a tuner are all a compromise antennas. Am I correct it would be better to put a resonant dipole up for the band I want to use the most and then use a tuner for the rest? Thanks.
>
> John
> KE7JSL
> Sent via BlackBerry from T-Mobile
>

7290. Tower installation questions

Yahoo group: ham-antennas (2008)
Date: 2008-12-17 19:49:31 UTC
From: wa7dxz@aol.com
Topic: 7290 Message: 7290

I would like to install a short tower on my property. I am not sure of the brand of the tower, but it is of the style of the Rohn 25.

I want to put it up about 32 feet tall. It will only support a dipole.

Here is the question. I cannot dig a hole 3 ft x 3 ft... due to water line problems. I can go 2x2, and 3 ft deep if I had to. BUT
I would like to first dig a hole 18 inches square, only One foot deep... then I would like to drive three metal pipes (3/4" black pipe, gas pipe), in the ground 4 feet, then slip the legs of the tower over these pipes, and run them up into the tower 2 feet. So the tower would be setting on these three pieces of pipe. Then bolt the tower legs to the pipes. Then, cover -fill that hole with concrete.
Then, bracket the tower ON TWO SIDES, to the house... at the one foot level and the ten foot level.
remember the tower is only going to be 32 feet tall... holding a dipole.

Will this be a sufficient installation> Ground here in Arizona is like concrete... it is
NOT the usual midwest soft dirt.. Those pipes wont move, and are not subject to frost heave.

I have done this before with NOT Problems...but I need to present a plan of some type to my building countyoffice, for them to approve a plan, before issueing a building permit. The tower will be sittin on three pieces of pipe 4 ft into the ground, bolted to those, a foot of concrete over that, and then brackected Twice to the house, at the 10 foot level. I will also bracket it at the two foot level, on two sides of the tower... thest braces will be at a 90 degree angle, the tower sits in a corner alcove.

I feel that this will be more than sufficient for this tower,,, but I have to convince the building inspector of this. My concern is only that the tower (base) is not in a yard of concrete. But I feel the pipes. along with the douple brackets, at two angles, one foot and ten feet from the ground, will be sufficient.
Is this going to convince them?
Bob WA7DXZ
**********One site keeps you connected to all your email: AOL Mail, Gmail, and Yahoo Mail. Try it now.
(http://www.aol.com/?optin=new-dp&icid=aolcom40vanity&ncid=emlcntaolcom00000025)

[Non-text portions of this message have been removed]

7291. Re: [ham-antennas] Re: Room for one.

Yahoo group: ham-antennas (2008)
Date: 2008-12-17 20:10:39 UTC
From: radio817@tmo.blackberry.net
Topic: 7288 Message: 7291

>>It depends on what band(s) are important to you

Hi Al,
40m, 20m and 17m. Dx and Local. Yes I want it all and I know physics only go so far. My thinking was 40m and 15m work well together and 17m is close by. 20m would be the band I would be willing to "give up". As for the hieght? Inverted V at 24 feet at the center or dipole at about 15 feet. I understand the closer to the ground the more NVIS it becomes for local work. I could try it and see but hoping for any advice. Hope that clarifies. Again Thanks.

John
KE7JSL
Sent via BlackBerry from T-Mobile

7292. Re: [ham-antennas] Re: Room for one.

Yahoo group: ham-antennas (2008)
Date: 2008-12-17 20:14:40 UTC
From: Leonard K. Pennock
Topic: 7288 Message: 7292

Suggestion: Build or buy a trap dipole or fan dipole and put it up a inverted V. If buying look at Alpha Delta DX-CC or DX-EE. I think you will find the resonate dipole will work better than the G5RV for what you want.

radio817@... wrote:

>
> Hi Al,
> 40m, 20m and 17m. Dx and Local. Yes I want it all and I know physics only go so far. My thinking was 40m and 15m work well together and 17m is close by. 20m would be the band I would be willing to "give up". As for the hieght? Inverted V at 24 feet at the center or dipole at about 15 feet. I understand the closer to the ground the more NVIS it becomes for local work. I could try it and see but hoping for any advice. Hope that clarifies. Again Thanks.
>
> John
> KE7JSL
> Sent via BlackBerry from T-Mobile

--
Leonard K. Pennock
AD7AS

Those who walk bravely through life, unafraid of loss or failure, find that they very rarely lose or fail.

7293. 20m dipole

Yahoo group: ham-antennas (2008)
Date: 2008-12-17 20:25:43 UTC
From: alan
Topic: 4417 Message: 7293

hi all
i have a dipole in my attic for 20/15/10m does the wire have to be
straight or can i spread it out so it looks something like a spiders
web tanks .....alan

7294. RE: [ham-antennas] 20m dipole

Yahoo group: ham-antennas (2008)
Date: 2008-12-17 20:59:06 UTC
From: Richard Schmuke
Topic: 4417 Message: 7294

I made mine with PVC spacers so the wires all run one direction and are spaced about 1.5 inches apart.

Rich , KDØZZ

Disclaimer: Any errors in spelling or facts are transmission errors.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of alan
Sent: Wednesday, December 17, 2008 2:26 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] 20m dipole

hi all
i have a dipole in my attic for 20/15/10m does the wire have to be straight or can i spread it out so it looks something like a spiders web tanks .....alan

[Non-text portions of this message have been removed]

7295. Re: [ham-antennas] Room for one.

Yahoo group: ham-antennas (2008)
Date: 2008-12-17 21:02:09 UTC
From: Steve Friis
Topic: 7288 Message: 7295

Better to put up a resonant dipole for the lowest band that will fit in your property and tune it with a tuner and feed it with ladder or window line, rather than for your favorite band, which might not be the lowest in frequency. For me, that would be 160 for the lowest, but 17 for my favorite.

Have you given thought to using a FAN dipole array? What we've done here is to have an 80 meter dipole for the top, with 160 meters with traps on the top wire, then 40 meters with 75 meters for the next wire down, and 30/60 on the third wire. Works great, and doing it this way, on 80 meters it covers the whole band with SWR below 3:1 with 2.5:1 peak at 3750 Khz.

Steve/WM5Z
No one can change the past, but we all influence the future.

radio817@... wrote:
> I understand if you have room you should put up a resonant dipole for each band you want to operate. The G5RV, OCD, etc with a tuner are all a compromise antennas. Am I correct it would be better to put a resonant dipole up for the band I want to use the most and then use a tuner for the rest? Thanks.
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> John
> KE7JSL
> Sent via BlackBerry from T-Mobile
>
> ---
>
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7296. Re: Room for one.

Yahoo group: ham-antennas (2008)
Date: 2008-12-17 21:20:39 UTC
From: al_kozakiewicz
Topic: 7288 Message: 7296

At about .3-.4 wavelengths above ground, a dipole is reasonably omnidirectional, with a takeoff angle of about 40 degrees. For 40 meters, that's about 50 feet up. Lower than .3 wavelengths and the takeoff angle will be literally 90 degrees.

For dx work, you want the takeoff angle low; less than 20 degrees, preferably lower. That's happens at around .75 wavelengths, or around 95 feet up on 40m.

The higher frequency bands would be proportionately lower; e.g. 20 meters would be half.

I can't get a wire antenna up much higher than 30 feet in my yard, so I opted for an 80/40 meter vertical to scratch my dx itch. It works very well. I have QSO's with Columbia, Russia, Latvia and Eastern Europe on 80m from my QTH in New York.

I'm also planning to build a compact (about 20' element length, 6' boom) 20m yagi based on plans from K4EAA. That should satisfy my dx itch further until there are real openings on 15m and 10m.

Regards,

Al
AB2ZY

--- In ham-antennas@yahoogroups.com, radio817@... wrote:
>
> >>It depends on what band(s) are important to you
>
> Hi Al,
> 40m, 20m and 17m. Dx and Local. Yes I want it all and I know physics only go so far. My thinking was 40m and 15m work well together and 17m is close by. 20m would be the band I would be willing to "give up". As for the hieght? Inverted V at 24 feet at the center or dipole at about 15 feet. I understand the closer to the ground the more NVIS it becomes for local work. I could try it and see but hoping for any advice. Hope that clarifies. Again Thanks.
>
> John
> KE7JSL
> Sent via BlackBerry from T-Mobile
>

7297. Re: [ham-antennas] Room for one.

Yahoo group: ham-antennas (2008)
Date: 2008-12-17 21:44:03 UTC
From: radio817@tmo.blackberry.net
Topic: 7288 Message: 7297

>>Have you given thought to using a FAN dipole array?

Yes. The issues with those though are supports for each wire in a narrow back yard. Being able to still walk back there is important :) and each wire would need to be spaced very close. The alpha delta dx-ee looks like a posibility building it or otherwise. Thanks again for all the suggestions.

John
KE7JSL
Sent via BlackBerry from T-Mobile

7298. RE: [ham-antennas] Room for one.

Yahoo group: ham-antennas (2008)
Date: 2008-12-17 21:48:01 UTC
From: Richard Schmuke
Topic: 7288 Message: 7298

That is possible if you feed it with ladder line. With coax trying a resonant antenna on other band will have a lot of loss. If you don☐t have a tuner then you can put up a ☐FAN☐ dipole and work several bands with one dipole. I have a friend , he has been at it since the 60☐s. Has many DXCC ☐s and other awards yet his antennas are a mess. He puts up a separate one for each band and runs RG-58 to the low bands and RG-8X on the uppers. I run Belden 9913 for less loss than RG-58 and a fan dipole. We both make contacts . What do you have up now??

Rich , KDØZZ

Disclaimer: Any errors in spelling or facts are transmission errors.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of radio817@...
Sent: Wednesday, December 17, 2008 1:34 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Room for one.

I understand if you have room you should put up a resonant dipole for each band you want to operate. The G5RV, OCD, etc with a tuner are all a compromise antennas. Am I correct it would be better to put a resonant dipole up for the band I want to use the most and then use a tuner for the rest? Thanks.

John
KE7JSL
Sent via BlackBerry from T-Mobile

[Non-text portions of this message have been removed]

7299. RE: [ham-antennas] Room for one.

Yahoo group: ham-antennas (2008)
Date: 2008-12-17 21:55:54 UTC
From: Richard Schmuke
Topic: 7288 Message: 7299

My fan is 80,40,20,17 and 10. Only one support wire , the 80m ,the others hang from it with little plastic spacers.

Subject: Re: [ham-antennas] Room for one.

>>Have you given thought to using a FAN dipole array?

Yes. The issues with those though are supports for each wire in a narrow back yard. Being able to still walk back there is important :) and each wire would need to be spaced very close. The alpha delta dx-ee looks like a posibility building it or otherwise. Thanks again for all the suggestions.

John
KE7JSL
Sent via BlackBerry from T-Mobile

[Non-text portions of this message have been removed]

7300. Re: [ham-antennas] Room for one.

Yahoo group: ham-antennas (2008)
Date: 2008-12-17 21:58:47 UTC
From: Leonard K. Pennock
Topic: 7288 Message: 7300

If you do some searching you can find plans for a multiband trap dipole using coaxial traps. Might search for that one using "trap dipole coax"

radio817@... wrote:
>>> Have you given thought to using a FAN dipole array?
>
> Yes. The issues with those though are supports for each wire in a narrow back yard. Being able to still walk back there is important :) and each wire would need to be spaced very close. The alpha delta dx-ee looks like a posibility building it or otherwise. Thanks again for all the suggestions.
>
> John
> KE7JSL
> Sent via BlackBerry from T-Mobile
>
> ---
>
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--
Leonard K. Pennock
AD7AS

Those who walk bravely through life, unafraid of loss or failure,
find that they very rarely lose or fail.

7301. Re: [ham-antennas] Room for one.

Yahoo group: ham-antennas (2008)
Date: 2008-12-17 22:24:17 UTC
From: radio817@tmo.blackberry.net
Topic: 7288 Message: 7301

>>My fan is 80,40,20,17 and 10. Only one support wire

What gauge wire did you use to support the extra weight? Any problems with snow, icing up? Wind? Three supports total? Thanks.

John
KE7JSL
Sent via BlackBerry from T-Mobile

7302. Re: [ham-antennas] Room for one.

Yahoo group: ham-antennas (2008)
Date: 2008-12-17 22:24:53 UTC
From: radio817@tmo.blackberry.net
Topic: 7288 Message: 7302

>> . What do you have up now??

I use a Ventenna HFp verticle. (Put up take down) A good portable antenna that has gotten me across the country when setup near the ocean and just local near the house. Very high noise leval with high voltage lines within 100 yards. I've been thinking of getting the dipole option kit for a long while but wire is cheap and because a dipole is horizontal that should reduce the noise level. An inverted V is half and half as I understand it (at a 45 degree angle). I'm just looking for something more permanet. Oh and a little more serious about getting on the air more often.

John
KE7JSL
Sent via BlackBerry from T-Mobile

7303. Re: [ham-antennas] Room for one.

Yahoo group: ham-antennas (2008)
Date: 2008-12-17 22:42:15 UTC
From: Steve Friis
Topic: 7288 Message: 7303

Actually, if you want, the spacing of over 2' seems to minimize interaction. A while back someone said they built a 4 band fan dipole cut to 80/40 and got 30/15 as a bonus using zip cord. Now that is close spacing!

Steve/WM5Z
No one can change the past, but we all influence the future.

radio817@... wrote:
>>> Have you given thought to using a FAN dipole array?
>>>
>
> Yes. The issues with those though are supports for each wire in a narrow back yard. Being able to still walk back there is important :) and each wire would need to be spaced very close. The alpha delta dx-ee looks like a posibility building it or otherwise. Thanks again for all the suggestions.
>
> John
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>
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7304. RE: [ham-antennas] Room for one.

Yahoo group: ham-antennas (2008)
Date: 2008-12-17 22:56:59 UTC
From: Richard Schmuke
Topic: 7288 Message: 7304

The 80m wire is 14ga copperweld , the rest are reg 14 ga copper. The copperweld is stripped from the center of some cable TV wire, I have a lot of snow and ice here, we had a storm last year that took down a lot of trees big tree , broke many cedars on my place but no problem with the antenna. The ends go to trees , the center is held up with a rope and pulley at the middle with a tilt up pole. You can see a picture of the tilt up in the picture section.

Rich

Subject: Re: [ham-antennas] Room for one.

>>My fan is 80,40,20,17 and 10. Only one support wire

What gauge wire did you use to support the extra weight? Any problems with snow, icing up? Wind? Three supports total? Thanks.

John
KE7JSL
Sent via BlackBerry from T-Mobile

[Non-text portions of this message have been removed]

7305. Re: [ham-antennas] Room for one.

Yahoo group: ham-antennas (2008)
Date: 2008-12-18 00:46:59 UTC
From: Charles Hendrick
Topic: 7288 Message: 7305

I use a g5rv with a tunner and the only band I have trouble tunning is 160m. The rest I can pretty well tune in with my versatunner.
Chuck n3xib

--- On Wed, 12/17/08, radio817@... <radio817@...y.net> wrote:

From: radio817@... <radio817@....net>
Subject: [ham-antennas] Room for one.
To: ham-antennas@yahoogroups.com
Date: Wednesday, December 17, 2008, 2:34 PM

I understand if you have room you should put up a resonant dipole for each band you want to operate. The G5RV, OCD, etc with a tuner are all a compromise antennas. Am I correct it would be better to put a resonant dipole up for the band I want to use the most and then use a tuner for the rest? Thanks.

John
KE7JSL
Sent via BlackBerry from T-Mobile

[Non-text portions of this message have been removed]

7306. Re: 160 Meter Dipole with 2 different wires?.

Yahoo group: ham-antennas (2008)
Date: 2008-12-18 01:04:50 UTC
From: visualco2
Topic: 7269 Message: 7306

--- In ham-antennas@yahoogroups.com, "Richard Schmuke" <rdj@...> wrote:
>
> There should be no problem with the two wires as long as you have a good
> solder joint. My only question is do you get ice and wind in your
area. I do
> at my QTH , mid- Missouri. I have to use something stronger to keep
it up. I
> used 14ga copperweld for the antenna and then small steel cable out
to the
> supports. You will have a lot of stretch with soft copper for 160m.
>
> Rich ,KDØZZ ,
>
> from the middle of Missouri , out in the sticks with the hicks and the
> ticks.
>
> We do get our share of snow here on Cape Cod Ma. If I support the
wire with a nylon cord and with zip ties would that affect the
effectiveness of the dipole at all?.
Thanks and Happy Holidays
73' N1UVW
>
>
>
>
>
> From: ham-antennas@yahoogroups.com
[mailto:ham-antennas@yahoogroups.com] On
> Behalf Of visualco2
> Sent: Wednesday, December 17, 2008 6:16 AM
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] 160 Meter Dipole with 2 different wires?.
>
>
>
> I'd like to erect a 160 Mtr. Dipole or similar Ant.
> I'm using RS speaker wire (14Ga.) "flat braided insulated" wire. The
> wire is 50'. Pulled apart I would have 100'. Which I know is not long
> enough. Would it be OK if I added another type of wire to this . I
> have a spool of 14 Ga. Tinned copper strand insulated wire appox. 100'
> so each leg of the dipole would be approximately 100'.
> By joining 2 different wires would I be causing some weird
> distortions or currents?.
> Thanks N1UVW
>

>
>
>
>
> [Non-text portions of this message have been removed]
>

7307. RE: [ham-antennas] Re: 160 Meter Dipole with 2 different wires?.

Yahoo group: ham-antennas (2008)
Date: 2008-12-18 01:29:37 UTC
From: Richard Schmuke
Topic: 7269 Message: 7307

```
--- In ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
, "Richard Schmuke" <rdj@...> wrote:
>
> There should be no problem with the two wires as long as you have a good
> solder joint. My only question is do you get ice and wind in your
area. I do
> at my QTH , mid- Missouri. I have to use something stronger to keep
it up. I
> used 14ga copperweld for the antenna and then small steel cable out
to the
> supports. You will have a lot of stretch with soft copper for 160m.
>
>
> We do get our share of snow here on Cape Cod Ma. If I support the
wire with a nylon cord and with zip ties would that affect the
effectiveness of the dipole at all?.
Thanks and Happy Holidays
73' N1UVW
```

Nylon cord will work fine , I used the steel cable because the oak tree supports don□t do much good in the wind with nylon for me. You can use a weighted counter balance if the wind moves your trees lot. I put a small piece of polycarbonate (Lexan) between the antenna and the cable. Zip ties should not be a problem.

Rich, KDØZZ

I□m not a complete idiot!
Some parts are missing.

>

[Non-text portions of this message have been removed]

7308. Re: 1/4 wave sloper question

Yahoo group: ham-antennas (2008)
Date: 2008-12-18 02:11:08 UTC
From: va1jgn
Topic: 7144 Message: 7308

Thanks for the opinion guys.

With the antenna being so close to the aluminum siding and the coax entering through a small hole drilled through the siding I was just concerned with what the hazzards could be with running up to 35 Watt.

I plan on getting an inverted V up some and away from the house so this setup is only temporary.

Thanks

7309. Re: Hi, I'm a 61 yr old new general

Yahoo group: ham-antennas (2008)
Date: 2008-12-18 03:35:52 UTC
From: Chris Boone
Topic: 7271 Message: 7309

Bill,

Congrats on the General..I'm a 50yr old Advanced (since 1974 J)..and this is a great hobby! Got me several jobs and my career in telecom/broadcasting engineering..TS-2000 is a good all round choice...Some people don't like it (because of the wide coverage rcvr and some issues inherent in that), others LOVE it..I wish I could afford it but I couldn't so I bought a Yaesu FT857D ;)

As for the antenna, I am not a fan of MFJ..(they have the nickname Mighty Fine Junk)..some of their stuff is ok (previously made by other manufacturers) but a lot of their antennas are not worth the money.I CAN say Ive never dealt with the model you have.so I hope you have good luck with it.What you are proposing looks good to me.make since you are going elevated with the antenna, I would go with 4 radials as LONG as you can get them..preferably 130ft each but I doubt you'll be able to do that..IF you can do 4- 60ft each, you'll find the vertical will tune better on 80-10 than if you go with other lengths.HOWEVER, if you can throw up an inverted V 130ft long and feed it in the center with balanced line with the tuner, you'll likely have better results on 160-10..on 6, throw up a HORIZONTAL antenna like a PAR OA50 or someone's Halo or Square Halo...SSB on VHF is Horizontal..Vertical works on FM (also would work in a band opening on SSB but when the band is NOT open, horizontal is the way to go for most contacts)

The coax choke of 9turns of coax at the base of the vertical (properly done) will do you just fine.but for HF, I recommend an inverted V over a MFJ vertical.cheaper and works better..only needs one HIGH support and if you can run balanced line, SWR losses is less and you have a better time on HF.on 6m, use an antenna made for that band.you'll get better performance (Maybe work ya on 50.125 SSB sometime ;)

Chris

WB5ITT
FCC commercial PG-9-5322

Society of Broadcast Engineers member

----------Original Message----------

I'm in the process of assembling my hf station. I've got a K'wood TS-

2000 and yesterday I got my MFJ 998 auto tuner. I'm now waiting for the

antenna. A 43ft MFJ 6 - 160 antenna. Here's where things get different.

I plan to mount the antenna inside the garage, in the attic, and push

the main part of it thru a 21/4 hole in the roof. Then I'll run my radials on the under side of the roof. With snow on the roof and a bad leg, I really don't think I should be climbing on the roof. What I'm wondering, should I get a choke unit or just put 10 wraps of coax around a piece of pvc pipe? Any how, that's the way I plan to do things. Anyone have any suggestions on a better way to do this. I don't have enough property to ground mount....Thanks...Bill N8VWI

[Non-text portions of this message have been removed]

7310. Re: [ham-antennas] Room for one.

Yahoo group: ham-antennas (2008)
Date: 2008-12-18 04:21:46 UTC
From: John Wilson
Topic: 7288 Message: 7310

Hi to all

http://www.packetradio.com/windom.htm
This is a link to an antenna I have built and have found it works well without a tuner giving you 6 bands with less than 2:5 swr.on most bands. my swr 10 meters 28.0 2.5:1 28:5 1.3:1 15 meters 3:1.1 12 meters 1.5:1 17 meters 1.3:1 20 meters 1.2:1 30 meters 6.1:1 40 meters 1.2:1 80 meters 2.1:1 75 meters 2.5:1 if you do not have the room us can use the information on the page to make it shorter for 40-10 or 20-10 I have mine up 35 ft inverted vee and have worked the world on it.
 73 John K5JRW

--- On Wed, 12/17/08, Leonard K. Pennock <leonardpennock@...> wrote:

From: Leonard K. Pennock <leonardpennock@...>
Subject: Re: [ham-antennas] Room for one.
To: ham-antennas@yahoogroups.com
Date: Wednesday, December 17, 2008, 3:58 PM

If you do some searching you can find plans for a multiband trap dipole

using coaxial traps. Might search for that one using "trap dipole coax"

radio817@tmo. blackberry. net wrote:

>>> Have you given thought to using a FAN dipole array?

>

> Yes. The issues with those though are supports for each wire in a narrow back yard. Being able to still walk back there is important :) and each wire would need to be spaced very close. The alpha delta dx-ee looks like a posibility building it or otherwise. Thanks again for all the suggestions.

>

> John

> KE7JSL

> Sent via BlackBerry from T-Mobile

>

> ---------- --------- --------- ------

>

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--

Leonard K. Pennock

AD7AS

Those who walk bravely through life, unafraid of loss or failure,

find that they very rarely lose or fail.

[Non-text portions of this message have been removed]

7311. Re: Room for one.

Yahoo group: ham-antennas (2008)
Date: 2008-12-18 04:34:33 UTC
From: John Wilson
Topic: 7288 Message: 7311

I forgot to add as you move down the page you will see a diagram and
the formula to cut the antenna to the freq. you want.
Good luck and hope this helps 73
John K5JRW

--- In ham-antennas@yahoogroups.com, John Wilson <jrrebel73@...> wrote:
>
> Hi to all
>
>
> http://www.packetradio.com/windom.htm
> This is a link to an antenna I have built and have found it works
well without a tuner giving you 6 bands with less than 2:5 swr.on most
bands. my swr 10 meters 28.0 2.5:1 28:5 1.3:1 15 meters 3:1.1 12
meters 1.5:1 17 meters 1.3:1 20 meters 1.2:1 30 meters 6.1:1 40
meters 1.2:1 80 meters 2.1:1 75 meters 2.5:1 if you do not have the
room us can use the information on the page to make it shorter for
40-10 or 20-10 I have mine up 35 ft inverted vee and have worked the
world on it.
> 73 John K5JRW
>
> --- On Wed, 12/17/08, Leonard K. Pennock <leonardpennock@...> wrote:
>
> From: Leonard K. Pennock <leonardpennock@...>
> Subject: Re: [ham-antennas] Room for one.
> To: ham-antennas@yahoogroups.com
> Date: Wednesday, December 17, 2008, 3:58 PM
>
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>
> If you do some searching you can find plans for a
multiband trap dipole
>
> using coaxial traps. Might search for that one using "trap dipole coax"
>
>
>

> radio817@tmo. blackberry. net wrote:
>
> >>> Have you given thought to using a FAN dipole array?
>
> >
>
> > Yes. The issues with those though are supports for each wire in a narrow back yard. Being able to still walk back there is important :) and each wire would need to be spaced very close. The alpha delta dx-ee looks like a posibility building it or otherwise. Thanks again for all the suggestions.
>
> >
>
> > John
>
> > KE7JSL
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> > Sent via BlackBerry from T-Mobile
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> Leonard K. Pennock
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> AD7AS
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>
> Those who walk bravely through life, unafraid of loss or failure,
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> find that they very rarely lose or fail.
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7312. Tuner MFJ 945E with G5RV Jr

Yahoo group: ham-antennas (2008)
Date: 2008-12-18 04:56:29 UTC
From: ki6lnx
Topic: 7312 Message: 7312

Hello everyone, I have a question.

I recently bought the above mentioned tuner as I want to get into the HF deal and I just want to know if when and after you are done tuning and getting the lowest SWR, do you leave it at tune mode or you set it to bypass? I read the instructions but pretty much they tell you what the knobs are for and not what do do with the button once lowest swr is achieved. I know this may be a little off topic what the heck why not. It Jogs peoples minds. I just want to make sure not to damage the equipment and it seems to tune anything so far. I am assuming that a lot of tuner have that bypass mode correct me If I am wrong.

Thanks a lot for any positive, productive input as it is greatly appreciated!

Kilo-I-SIX-L-NANCY-X

7313. Re: [ham-antennas] Hi, I'm a 61 yr old new general

Yahoo group: ham-antennas (2008)
Date: 2008-12-18 04:59:11 UTC
From: Siegfried Jackstien
Topic: 7271 Message: 7313

dear callum
he wants to errect a 43 foot vertical ... so no resonance .... so tuner at the feedinpoint is needed
with tuned radials or not .... you need a tuner at the fedpoint
73´s
dg9bfc
----- Original Message -----
From: Callum m0mcx
To: ham-antennas@yahoogroups.com
Sent: Wednesday, December 17, 2008 6:12 PM
Subject: RE: [ham-antennas] Hi, I'm a 61 yr old new general

Bill,

If this were me, I would continue with your installation as planned and use half a dozen good quality, large ferrite clamps. It's just my preference. I have used turns on PVC piping but I prefer the clamps. For ease of installation (and I just think they work better - but I'm not scientific about this, it's just gut feeling!!)

Some comments / questions:

- Are you planning on putting in "tuned" quarter-wave radials for any particular band, say 30 foot radials for 40m etc..?
- Assume you are feeding this with coax because the antenna already resonates roughly on each of the claimed bands, yes..?
- Assume that you could probably get away without the auto-tuner because the TS2000 would dial out minor mismatches?

Sounds fun though - best of luck OM.

73 from Birmingham, UK.

Callum McCormick
http://www.m0mcx.co.uk/

"If I build it, you might hear me"

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of greathounder
Sent: 17 December 2008 14:37
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Hi, I'm a 61 yr old new general

I'm in the process of assembling my hf station. I've got a K'wood TS-2000 and yesterday I got my MFJ 998 auto tuner. I'm now waiting for the antenna. A 43ft MFJ 6 - 160 antenna. Here's where things get different.

I plan to mount the antenna inside the garage, in the attic, and push the main part of it thru a 21/4 hole in the roof. Then I'll run my radials on the under side of the roof. With snow on the roof and a bad leg, I really don't think I should be climbing on the roof. What I'm wondering, should I get a choke unit or just put 10 wraps of coax around a piece of pvc pipe? Any how, that's the way I plan to do things. Anyone have any suggestions on a better way to do this. I don't have enough property to ground mount....Thanks...Bill N8VWI

[Non-text portions of this message have been removed]

7314. Re: [ham-antennas] Tuner MFJ 945E with G5RV Jr

Yahoo group: ham-antennas (2008)
Date: 2008-12-18 05:02:03 UTC
From: John Lewis
Topic: 7312 Message: 7314

Once you tune the SWR for lowest settings just leave the tuner there until you change bands.

----- Original Message -----
From: "ki6lnx" <ki6lnx@...>
To: ham-antennas@yahoogroups.com
Date: Thu, 18 Dec 2008 04:56:29 -0000
Subject: [ham-antennas] Tuner MFJ 945E with G5RV Jr

> Hello everyone, I have a question.
>
> I recently bought the above mentioned tuner as I want to get into the
> HF deal and I just want to know if when and after you are done
> tuning and getting the lowest SWR, do you leave it at tune mode or
> you set it to bypass? I read the instructions but pretty much they tell you what the knobs are for and not what do do with the
> button once lowest swr is achieved. I know this may be a little off
> topic what the heck why not. It Jogs peoples minds. I just want to
> make sure not to damage the equipment and it seems to tune anything
> so far. I am assuming that a lot of tuner have that bypass mode
> correct me If I am wrong.
>
> Thanks a lot for any positive, productive input as it is greatly
> appreciated!
>
> Kilo-I-SIX-L- NANCY-X
>
>
>

7315. Re: [ham-antennas] Tuner MFJ 945E with G5RV Jr

Yahoo group: ham-antennas (2008)
Date: 2008-12-18 11:10:11 UTC
From: Dan Schaaf
Topic: 7312 Message: 7315

Leave it in the Tuner Mode. Otherwise there is no reason to have it connected. The Bypass mode bypasses the tuner just as though it were still sitting in your closet. The bypass mode is used if you have an antenna that already has a low SWR.

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com "In the Beginning, there was Spark Gap"
==========
NOBSKA
www.nobska.net
==========
Cape Cod Instruments
www.oceanbiz.net
==========
----- Original Message -----
From: ki6lnx
To: ham-antennas@yahoogroups.com
Sent: Wednesday, December 17, 2008 11:56 PM
Subject: [ham-antennas] Tuner MFJ 945E with G5RV Jr

Hello everyone, I have a question.

I recently bought the above mentioned tuner as I want to get into the HF deal and I just want to know if when and after you are done tuning and getting the lowest SWR, do you leave it at tune mode or you set it to bypass? I read the instructions but pretty much they tell you what the knobs are for and not what do do with the button once lowest swr is achieved. I know this may be a little off topic what the heck why not. It Jogs peoples minds. I just want to make sure not to damage the equipment and it seems to tune anything so far. I am assuming that a lot of tuner have that bypass mode correct me If I am wrong.

Thanks a lot for any positive, productive input as it is greatly appreciated!

Kilo-I-SIX-L-NANCY-X

[Non-text portions of this message have been removed]

7316. Re: [ham-antennas] Tuner MFJ 945E with G5RV Jr

Yahoo group: ham-antennas (2008)
Date: 2008-12-18 11:53:28 UTC
From: Jim Coon
Topic: 7312 Message: 7316

Putting it in bypass takes the tuner out of the circuit, like it isn't there. If it is bypassed it doesn't do any good to correct the swr. Tune it and leave it set to automatic so it can retune if the frequency changes or the wind takes down your dipole. (Just kidding on the last part)

On Wed, Dec 17, 2008 at 11:56 PM, ki6lnx <ki6lnx@...> wrote:

> Hello everyone, I have a question.
>
> I recently bought the above mentioned tuner as I want to get into the
> HF deal and I just want to know if when and after you are done
> tuning and getting the lowest SWR, do you leave it at tune mode or
> you set it to bypass? I read the instructions but pretty much they tell you
> what the knobs are for and not what do do with the
> button once lowest swr is achieved. I know this may be a little off
> topic what the heck why not. It Jogs peoples minds. I just want to
> make sure not to damage the equipment and it seems to tune anything
> so far. I am assuming that a lot of tuner have that bypass mode
> correct me If I am wrong.
>
> Thanks a lot for any positive, productive input as it is greatly
> appreciated!
>
> Kilo-I-SIX-L-NANCY-X
>
>
>

--
Jim

[Non-text portions of this message have been removed]

7317. Re: 20m dipole

Yahoo group: ham-antennas (2008)
Date: 2008-12-18 12:00:09 UTC
From: steve95446
Topic: 4417 Message: 7317

You might be interested in my attic-mounted multiband dipoles - you can find the details at: http://www.qsl.net/g0kya/

Yes, you can spread them out like a spider. best way actually as you get minimal interaction.

Steve G0KYA

7318. Re: [ham-antennas] Tuner MFJ 945E with G5RV Jr

Yahoo group: ham-antennas (2008)
Date: 2008-12-18 12:02:53 UTC
From: Kirk Morrison
Topic: 7312 Message: 7318

Jim Coon wrote:
> Putting it in bypass takes the tuner out of the circuit, like it isn't
> there. If it is bypassed it doesn't do any good to correct the swr. Tune
> it and leave it set to automatic so it can retune if the frequency changes
> or the wind takes down your dipole. (Just kidding on the last part)
>
> On Wed, Dec 17, 2008 at 11:56 PM, ki6lnx <ki6lnx@...> wrote:
>
>
>> Hello everyone, I have a question.
>>
>> I recently bought the above mentioned tuner as I want to get into the
>> HF deal and I just want to know if when and after you are done
>> tuning and getting the lowest SWR, do you leave it at tune mode or
>> you set it to bypass? I read the instructions but pretty much they tell you
>> what the knobs are for and not what do do with the
>> button once lowest swr is achieved. I know this may be a little off
>> topic what the heck why not. It Jogs peoples minds. I just want to
>> make sure not to damage the equipment and it seems to tune anything
>> so far. I am assuming that a lot of tuner have that bypass mode
>> correct me If I am wrong.
>>
>> Thanks a lot for any positive, productive input as it is greatly
>> appreciated!
>>
>> Kilo-I-SIX-L-NANCY-X
>>
>>
>>
>>
>
>
>
>
> ---
>
> Leave it in tune, you might try bypass for 20 the antenna should with luck be resonant there. I took the top off of mine and set the caps so all is right when you go from min cap to max which makes repeating the settings easier. In fact the only reason I am going to replace mine (not sell, it keep it for back up) is I want a higher powered auto tuner as I am going to get a 811H soon, to use for DXing. The G5RV and that tuner is a fine combination on 20.
>
Kirk
> No virus found in this incoming message.

> Checked by AVG - http://www.avg.com
> Version: 8.0.176 / Virus Database: 270.9.19/1854 - Release Date: 12/17/2008 7:21 PM
>
>

7319. How good is a Morgain Antenne ??

Yahoo group: ham-antennas (2008)
Date: 2008-12-18 13:16:47 UTC
From: PA2JJB Jan
Topic: 7319 Message: 7319

Helle to you all,
I'm new to this site, am love to experiment with
antenna's. (using a Spiderbeam and a ZS6BKW-dipole see my site
http://www.pa2jjb.texel.com) Are here people who did experiment and
work with a Morgain-antenna for 80/40M? Is this working as good as a
80/40M-dipole with loading coils?

http://i4ewh.altervista.org/ShortWaves/Morgain/Morgain.htm

Many thnaks in advandge and best 73's from Jan PA2JJB

7320. Re: [ham-antennas] How good is a Morgain Antenne ??

Yahoo group: ham-antennas (2008)
Date: 2008-12-18 16:26:18 UTC
From: Jim Coon
Topic: 7319 Message: 7320

here is more infoon the moregain

http://web.tiscali.it/aricarbonia/homemade.htm

On Thu, Dec 18, 2008 at 8:16 AM, PA2JJB Jan <johndeilander@...> wrote:

> Helle to you all,
> I'm new to this site, am love to experiment with
> antenna's. (using a Spiderbeam and a ZS6BKW-dipole see my site
> http://www.pa2jjb.texel.com) Are here people who did experiment and
> work with a Morgain-antenna for 80/40M? Is this working as good as a
> 80/40M-dipole with loading coils?
>
> http://i4ewh.altervista.org/ShortWaves/Morgain/Morgain.htm
>
> Many thnaks in advandge and best 73's from Jan PA2JJB
>
>
>

--
Jim

[Non-text portions of this message have been removed]

7321. Re: Vertical Yagi for HF ?

Yahoo group: ham-antennas (2008)
Date: 2008-12-18 16:56:40 UTC
From: Paul
Topic: 6385 Message: 7321

This can be demonstrated fairly easily...

About 20 years ago I put up a modified "Moonraker 4"; it was modified to work on 10 Meters.

The antenna was put up so that the two yagis were at 45° to the horizon. This significantly reduced the interference from the supporting structure.

The feedlines were identical (electrical) lengths of RG-141. This ensures the phase shift in the two cables is ans will remain identical.

The feedlines wer connected to a switchable phasing network which allowed the following polarizations:

Horizontal

Vertical

Diagonal (45°)

Diagonal (135°)

Right-hand or clockwise circular

Left-hand or anti-clockwise circular

During periods of heavy QSB (E and F layer propagation) it was possible to watch the polarization of the signal rotate as much as 720 degees as it passed through the ionosphere.

The QSB could be eliminated by using either of the two circular polarizations.

Paul - K9ERG

--- In ham-antennas@yahoogroups.com, "Scott Laughlin" <n7net@...> wrote:
>
> Paul,
>
> I think you're wrong. That's why hf flat top dipoles and verticals
> are interchangable. Try horizontal polarization with a vhf and watch
> the signals disappear.
>
> 72 de Scott/n7net/qrp

>
> --- In ham-antennas@yahoogroups.com, "Paul" <paul_c_g@> wrote:
> >
> > Antenna polarization is just as important on HF as on VHF/UHF.
> >
> > Most of the QSB experienced on HF is caused by the "Faraday
> Rotation"
> > where the polarization of the signal is rotated when it passes
> > through the ionosphere. As the amount of rotation changes, the
> signal
> > lever rises and falls.
> >
> > Paul
> >
>

7322. RE: [ham-antennas] Re: Hi, I'm a 61 yr old new general

Yahoo group: ham-antennas (2008)
Date: 2008-12-18 17:31:47 UTC
From: Callum m0mcx
Topic: 7271 Message: 7322

Al,

I didn't know these ferrites heated up that much? You would need a fair amount of power for this to happen, yes? Being in the UK, we are restricted to 400w so I have limited knowledge of very high powers.

BTW, what's your definition of an "air choke" - the wound coax on a plumber pipe?

For info, I have build multi-band verticals but cheated by using an SG230 (and a high powered version) ATU / Coupler at the feedpoint and results were quite good, however I cut tuned elevated radials for each band. Random lengths and random radials seemed to be pretty inefficient.

Cheers!

Callum McCormick
http://www.m0mcx.co.uk/

7323. RE: [ham-antennas] Hi, I'm a 61 yr old new general

Yahoo group: ham-antennas (2008)
Date: 2008-12-18 17:33:22 UTC
From: Callum m0mcx
Topic: 7271 Message: 7323

I thought his antenna was resonant on each band? If it isn□t then he should
just use some aluminium pipe.

Callum McCormick
http://www.m0mcx.co.uk/

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On
Behalf Of Siegfried Jackstien
Sent: 18 December 2008 04:59
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Hi, I'm a 61 yr old new general

dear callum
he wants to errect a 43 foot vertical ... so no resonance .... so tuner at
the feedinpoint is needed
with tuned radials or not .... you need a tuner at the fedpoint
73´s
dg9bfc
----- Original Message -----
From: Callum m0mcx
To: ham-antennas@yahoogroups.com
Sent: Wednesday, December 17, 2008 6:12 PM
Subject: RE: [ham-antennas] Hi, I'm a 61 yr old new general

Bill,

If this were me, I would continue with your installation as planned and use
half a dozen good quality, large ferrite clamps. It's just my preference. I
have used turns on PVC piping but I prefer the clamps. For ease of
installation (and I just think they work better - but I'm not scientific
about this, it's just gut feeling!!)

Some comments / questions:

- Are you planning on putting in "tuned" quarter-wave radials for any
particular band, say 30 foot radials for 40m etc..?
- Assume you are feeding this with coax because the antenna already
resonates roughly on each of the claimed bands, yes..?
- Assume that you could probably get away without the auto-tuner because the
TS2000 would dial out minor mismatches?

Sounds fun though - best of luck OM.

73 from Birmingham, UK.

Callum McCormick
http://www.m0mcx.co.uk/

"If I build it, you might hear me"

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of greathounder
Sent: 17 December 2008 14:37
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Hi, I'm a 61 yr old new general

I'm in the process of assembling my hf station. I've got a K'wood TS-2000 and yesterday I got my MFJ 998 auto tuner. I'm now waiting for the antenna. A 43ft MFJ 6 - 160 antenna. Here's where things get different. I plan to mount the antenna inside the garage, in the attic, and push the main part of it thru a 21/4 hole in the roof. Then I'll run my radials on the under side of the roof. With snow on the roof and a bad leg, I really don't think I should be climbing on the roof. What I'm wondering, should I get a choke unit or just put 10 wraps of coax around a piece of pvc pipe? Any how, that's the way I plan to do things. Anyone have any suggestions on a better way to do this. I don't have enough property to ground mount....Thanks...Bill N8VWI

[Non-text portions of this message have been removed]

7324. Re: [ham-antennas] Re: Vertical Yagi for HF ?

Yahoo group: ham-antennas (2008)
Date: 2008-12-18 17:50:29 UTC
From: nss@mwt.net
Topic: 6385 Message: 7324

Finally someone else agrees with me. qsb is polarity related.

I had a similar arrangement, i has a Mosley TA-33 up 50 feet.

But i had it also on a U-110 rotor along it's boom. so i could go vert, horiz or anywhere inbetween,

And rarely ws max sig at when the elements were hoizontal.

even during a qso it would change

it was quite amazing to see that 20 db polarity null!

Joe WB9SBD

> This can be demonstrated fairly easily...
>
> About 20 years ago I put up a modified "Moonraker 4"; it was modified
> to work on 10 Meters.
>
> The antenna was put up so that the two yagis were at 45? to the
> horizon. This significantly reduced the interference from the
> supporting structure.
>
> The feedlines were identical (electrical) lengths of RG-141. This
> ensures the phase shift in the two cables is ans will remain
> identical.
>
> The feedlines wer connected to a switchable phasing network which
> allowed the following polarizations:
>
> Horizontal
>
> Vertical
>
> Diagonal (45?)
>
> Diagonal (135?)
>
> Right-hand or clockwise circular
>
> Left-hand or anti-clockwise circular
>
> During periods of heavy QSB (E and F layer propagation) it was
> possible to watch the polarization of the signal rotate as much as
> 720 degees as it passed through the ionosphere.
>

> The QSB could be eliminated by using either of the two circular
> polarizations.
>
> Paul - K9ERG
>
>
>
>
> --- In ham-antennas@yahoogroups.com, "Scott Laughlin" <n7net@...>
> wrote:
>>
>> Paul,
>>
>> I think you're wrong. That's why hf flat top dipoles and verticals
>> are interchangable. Try horizontal polarization with a vhf and
> watch
>> the signals disappear.
>>
>> 72 de Scott/n7net/qrp
>>
>> --- In ham-antennas@yahoogroups.com, "Paul" <paul_c_g@> wrote:
>> >
>> > Antenna polarization is just as important on HF as on VHF/UHF.
>> >
>> > Most of the QSB experienced on HF is caused by the "Faraday
>> Rotation"
>> > where the polarization of the signal is rotated when it passes
>> > through the ionosphere. As the amount of rotation changes, the
>> signal
>> > lever rises and falls.
>> >
>> > Paul
>> >
>>
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
> to ALL 1446 members (as of 9/26/08, and attachments are NOT permitted.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
>

7325. Re: Tuner MFJ 945E with G5RV Jr

Yahoo group: ham-antennas (2008)
Date: 2008-12-18 18:06:03 UTC
From: Rick
Topic: 7312 Message: 7325

You've surely got to be joking ? Sure you leave it in the "tune
mode" or otherwise its not tuned. The bypass position is for when
you use resonant antennas and don't need the tuner.
73
Rick
KC8AON

--- In ham-antennas@yahoogroups.com, "ki6lnx" <ki6lnx@...> wrote:
>
> Hello everyone, I have a question.
>
> I recently bought the above mentioned tuner as I want to get into
the
> HF deal and I just want to know if when and after you are done
> tuning and getting the lowest SWR, do you leave it at tune mode
or
> you set it to bypass? I read the instructions but pretty much
they tell you what the knobs are for and not what do do with the
> button once lowest swr is achieved. I know this may be a little
off
> topic what the heck why not. It Jogs peoples minds. I just want to
> make sure not to damage the equipment and it seems to tune
anything
> so far. I am assuming that a lot of tuner have that bypass mode
> correct me If I am wrong.
>
> Thanks a lot for any positive, productive input as it is greatly
> appreciated!
>
>
> Kilo-I-SIX-L-NANCY-X
>

7326. Re: Tuner MFJ 945E with G5RV Jr

Yahoo group: ham-antennas (2008)
Date: 2008-12-18 18:09:23 UTC
From: Rick
Topic: 7312 Message: 7326

Where do you guys come from ? An MFJ 945E is a manual tuner - there is
no automatic mode on it !
73
Rick
KC8AON

--- In ham-antennas@yahoogroups.com, "Jim Coon" <liteways@...> wrote:
Tune it and leave it set to automatic so it can retune if the
frequency changes
> or the wind takes down your dipole.

7327. Re: Tuner MFJ 945E with G5RV Jr

Yahoo group: ham-antennas (2008)
Date: 2008-12-18 18:21:30 UTC
From: ke4vyn
Topic: 7312 Message: 7327

HF Deal?

And what 'deal' do you mean?

> > Hello everyone, I have a question.
> >
> > I recently bought mentioned tuner as I want to get into the
> > HF deal and I just want to know if when and after you are done
> > tuning and getting the lowest SWR, do you leave it at tune mode
> > Kilo-I-SIX-L-NANCY-X

7328. Re: Hi, I'm a 61 yr old new general

Yahoo group: ham-antennas (2008)
Date: 2008-12-18 19:25:30 UTC
From: al_kozakiewicz
Topic: 7271 Message: 7328

It depends on how bad the mismatch is between the coax and the feed point. With "nearly resonant" antennas, say with a VSWR of 3:1 or less, I doubt it matters. When you're trying to match something further off, I wouldn't trust what might happen, especially at 1.5KW. A lot of people are tempted to make up for poor antenna with a good amplifier.

Air choke for me is 20 or so feet of coax wound on a 4" PVC pipe. You can also purchase them prefabricated. Some people just wind some coax into a loop and use tape to hold it together. I don't know if that works or not.

Al

AB2ZY
--- In ham-antennas@yahoogroups.com, "Callum m0mcx" <callum@...>
wrote:
>
> Al,
>
> I didn't know these ferrites heated up that much? You would need a
fair
> amount of power for this to happen, yes? Being in the UK, we are
restricted
> to 400w so I have limited knowledge of very high powers.
>
> BTW, what's your definition of an "air choke" - the wound coax on a
plumber
> pipe?
>
> For info, I have build multi-band verticals but cheated by using an
SG230
> (and a high powered version) ATU / Coupler at the feedpoint and
results were
> quite good, however I cut tuned elevated radials for each band.
Random
> lengths and random radials seemed to be pretty inefficient.
>
> Cheers!
>
> Callum McCormick
> http://www.m0mcx.co.uk/
>

7329. Re: How good is a Morgain Antenne ??

Yahoo group: ham-antennas (2008)
Date: 2008-12-18 22:17:54 UTC
From: PA2JJB Jan
Topic: 7319 Message: 7329

Thanks for the answer....I did found that site b4, but my italian is
not that good, did translate it with google, but hope more people have
answers in the english language

Nice weekend and lots of dx
PA2JJB Texel-Island IOTA EU-038

--- In ham-antennas@yahoogroups.com, "Jim Coon" <liteways@...> wrote:
>
> here is more infoon the moregain
>
>
> http://web.tiscali.it/aricarbonia/homemade.htm
>
> On Thu, Dec 18, 2008 at 8:16 AM, PA2JJB Jan <johndeilander@...> wrote:
>
> > Helle to you all,
> > I'm new to this site, am love to experiment with
> > antenna's. (using a Spiderbeam and a ZS6BKW-dipole see my site
> > http://www.pa2jjb.texel.com) Are here people who did experiment and
> > work with a Morgain-antenna for 80/40M? Is this working as good as a
> > 80/40M-dipole with loading coils?
> >
> > http://i4ewh.altervista.org/ShortWaves/Morgain/Morgain.htm
> >
> > Many thnaks in advandge and best 73's from Jan PA2JJB
> >
> >
> >
>
>
>
> --
> Jim
>
>
> [Non-text portions of this message have been removed]
>

7330. Re: [ham-antennas] Re: How good is a Morgain Antenne ??

Yahoo group: ham-antennas (2008)
Date: 2008-12-18 22:26:05 UTC
From: Siegfried Jackstien
Topic: 7319 Message: 7330

dear jan
i will try to make a modell in mmana in the next days ....
just wait and i will tell the group what i found out
greetz
dg9bfc
----- Original Message -----
From: PA2JJB Jan
To: ham-antennas@yahoogroups.com
Sent: Thursday, December 18, 2008 11:17 PM
Subject: [ham-antennas] Re: How good is a Morgain Antenne ??

Thanks for the answer....I did found that site b4, but my italian is
not that good, did translate it with google, but hope more people have
answers in the english language

Nice weekend and lots of dx
PA2JJB Texel-Island IOTA EU-038

--- In ham-antennas@yahoogroups.com, "Jim Coon" <liteways@...> wrote:
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> here is more infoon the moregain
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> http://web.tiscali.it/aricarbonia/homemade.htm
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> On Thu, Dec 18, 2008 at 8:16 AM, PA2JJB Jan <johndeilander@...> wrote:
>
> > Helle to you all,
> > I'm new to this site, am love to experiment with
> > antenna's. (using a Spiderbeam and a ZS6BKW-dipole see my site
> > http://www.pa2jjb.texel.com) Are here people who did experiment and
> > work with a Morgain-antenna for 80/40M? Is this working as good as a
> > 80/40M-dipole with loading coils?
> >
> > http://i4ewh.altervista.org/ShortWaves/Morgain/Morgain.htm
> >
> > Many thnaks in advandge and best 73's from Jan PA2JJB
> >
> >
> >
>
>
>
> --
> Jim
>

>
> [Non-text portions of this message have been removed]
>

[Non-text portions of this message have been removed]

7331. antennas and tube radios

Yahoo group: ham-antennas (2008)
Date: 2008-12-19 20:02:33 UTC
From: Frank MacKenzie-Lamb
Topic: 7331 Message: 7331

Hello All,

I am going to put two tube radios on the air, a Swan Cygnet and an HW-101. Hopwever, I don't want to uase a tuner AND I'd like to do CW with the HW-101 on 40 and SSB on 20.

can anyone make a good suggestion just how Im can do this?

Thanks
Frank
NG1I
Semper Fi

7332. Can I ask this?

Yahoo group: ham-antennas (2008)
Date: 2008-12-19 20:58:37 UTC
From: Robert
Topic: 7332 Message: 7332

I could use some advise on antenna height and dual band dipole. This is my first antenna build. I have an Icom 718 with DSP with a Collins 30L-1 (with a buffer). I need to cut the antenna for the frequency because I don't have an antenna tuner. I have not use the rig yet.

1) I can put the antenna over the wood fence about 7', or I can put it in an inverted v having the top at about 20'. Will this make a diffrence and what type?

2) I would like to work 40m and 80m what type of balun should I use? Do I need a balun for each band? Have far apart do the two wire need to be from each other?

Thanks your time
73's de KE5VNX

7333. Re: [ham-antennas] antennas and tube radios

Yahoo group: ham-antennas (2008)
Date: 2008-12-19 21:02:02 UTC
From: Joe
Topic: 7331 Message: 7333

Uhhh,

Put up an antenna?

Honestly,, hello? old tube rigs are far more forgiving about SWR than
ANY of this new stuff out there.

What do you think the plate and load do? they match the finals
impedance to the antenna feed line more or less a smaller range tuner
built in. And far more forgiving.

I ran on 80 meters a mis matched full sized 1/4 wave vert, 3 to one swr
for years on a old Drake TR-4 and had never a problem, 200+ watts out
every day. name me one of these new rigs that will do this without a tuner.

A guedeline was as all the old guys said,

If the Plate Dips, and the Load peaks without flattening out GO FOR IT!

Joe wb9sbd Since 1975.

73

Frank MacKenzie-Lamb wrote:

>Hello All,
>
>I am going to put two tube radios on the air, a Swan Cygnet and an HW-
>101. Hopwever, I don't want to uase a tuner AND I'd like to do CW with
>the HW-101 on 40 and SSB on 20.
>
>can anyone make a good suggestion just how Im can do this?
>
>Thanks
>Frank
>NG1I
>Semper Fi
>
>
>----------
>
>HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 1446
members (as of 9/26/08, and attachments are NOT permitted.
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7334. Re: [ham-antennas] Can I ask this?

Yahoo group: ham-antennas (2008)
Date: 2008-12-19 21:05:15 UTC
From: jeff
Topic: 7332 Message: 7334

Robert wrote:
> I could use some advise on antenna height and dual band dipole. This is
> my first antenna build. I have an Icom 718 with DSP with a Collins
> 30L-1 (with a buffer). I need to cut the antenna for the frequency
> because I don't have an antenna tuner.

here's one from left field: you can build a tuner if you like. I don't know how many watts that unit puts out but that's a variable you need to take into consideration. If it's low wattage, the project will be CHEAP. If it's higher wattage, you have to get bigger components but it's not that bad.

Many sites on the web go over building tuners. Google is your friend.

Best of luck.

7335. Re: [ham-antennas] Can I ask this?

Yahoo group: ham-antennas (2008)
Date: 2008-12-20 00:55:08 UTC
From: Charles Hendrick
Topic: 7332 Message: 7335

The ic-718 is a 100 w transmitter. I have one and its a great radio.
Chuck n3xib

--- On Fri, 12/19/08, jeff <jeffv@...> wrote:

From: jeff <jeffv@op.net>
Subject: Re: [ham-antennas] Can I ask this?
To: ham-antennas@yahoogroups.com
Date: Friday, December 19, 2008, 4:05 PM

Robert wrote:
> I could use some advise on antenna height and dual band dipole. This is
> my first antenna build. I have an Icom 718 with DSP with a Collins
> 30L-1 (with a buffer). I need to cut the antenna for the frequency
> because I don't have an antenna tuner.

here's one from left field: you can build a tuner if you like. I don't
know how many watts that unit puts out but that's a variable you need to
take into consideration. If it's low wattage, the project will be
CHEAP. If it's higher wattage, you have to get bigger components but
it's not that bad.

Many sites on the web go over building tuners. Google is your friend.

Best of luck.

[Non-text portions of this message have been removed]

7336. Re: [ham-antennas] Can I ask this?

Yahoo group: ham-antennas (2008)
Date: 2008-12-20 04:20:08 UTC
From: radio817qrp@gmail.com
Topic: 7332 Message: 7336

Hi,

First let me suggest you invest in the ARRL Antenna Book. That will answer most questions on the basics of antennas. As for 7 feet off the ground that will be mostly NVIS style of an antenna. (Google it) To a point higher is better but any antenna is better than none. All antennas will handle some signals better than others. Build both and see what happens. Above all listen, listen and listen. You can learn a lot by tuning around the bands listening to the people who have been hams awhile.

John
KE7JSL
Sent via BlackBerry from T-Mobile

7337. Re: [ham-antennas] antennas and tube radios

Yahoo group: ham-antennas (2008)
Date: 2008-12-20 04:27:31 UTC
From: radio817qrp@gmail.com
Topic: 7331 Message: 7337

>>on 40 and SSB on 20.
can anyone make a good suggestion just how Im can do this?

Well since I asked about an antenna for 40 and 20 here goes what was suggested to me. Alpha delta dx-ee, fan dipole, two seperate dipoles, two seperate veticles, trap dipole, etc... Cut the antennas to resonance or somewhere close and run with them..

John
KE7JSL
Sent via BlackBerry from T-Mobile

7338. Re: [ham-antennas] Can I ask this?

Yahoo group: ham-antennas (2008)
Date: 2008-12-20 13:21:42 UTC
From: Leonard K. Pennock
Topic: 7332 Message: 7338

Having the antenna at 7' for 40/80M will result in a NVIS antenna. Will be good for local communication out to about 500 miles. The inverted-V with the apex at 20' will still have some NVIS tendencies but should provide some longer range stuff also. Both should provide a relatively omni directional pattern. Personally I would go the inverted-V unless I was doing it for a emergency communications setup.

Robert wrote:

> 1) I can put the antenna over the wood fence about 7', or I can put
> it in an inverted v having the top at about 20'. Will this make a
> difference and what type?
>

--
Leonard K. Pennock
AD7AS

Those who walk bravely through life, unafraid of loss or failure,
find that they very rarely lose or fail.

7340. Mosley TA-33M WARC

Yahoo group: ham-antennas (2008)
Date: 2008-12-20 14:32:47 UTC
From: phill104us
Topic: 7340 Message: 7340

Need Help I have assembled my Mosley TA-33M WARC but it does not look right. Do the (2) center elements BDE and FDE sit higher on the boom than the reflector and director elements.

Picture can be seem at :

[URL=http://img243.imageshack.us/my.php?image=dsc00273qy8.jpg][IMG] http://img243.imageshack.us/img243/5984/dsc00273qy8.th.jpg[/IMG][/URL]

Thanks
Phil

7341. Re: [ham-antennas] Mosley TA-33M WARC

Yahoo group: ham-antennas (2008)
Date: 2008-12-20 16:13:36 UTC
From: Joe
Topic: 7340 Message: 7341

How about stuffing the image in a folder on this groups page or similar.

You image is not found, and honestly every one of those image storing
places i rarely go to for all the crappy ad;s and all the other crap ya
have to go through just to look at one simple image. tottally sucks.
the group has gigs of space use it.

phill104us wrote:

>----------
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>
>Need Help I have assembled my Mosley TA-33M WARC but it does not look
>right. Do the (2) center elements BDE and FDE sit higher on the boom
>than the reflector and director elements.
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>Picture can be seem at :
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>http://profile.imageshack.us/user/ph...sc00273qy8.jpg
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>Thanks
>Phil
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7342. Re: Vertical Yagi for HF ?

Yahoo group: ham-antennas (2008)
Date: 2008-12-20 16:35:13 UTC
From: Paul
Topic: 6385 Message: 7342

Having this knowlege enabled me to make the SEVENTH 10 Meter QSO with Abania on the first day of operation...

Knowing that most of the other stations were horizontal and my antenna was vertical, I just waited until the Albanian station was almost pinning my S meter, and threw my call sign into the pile-up. He came back on the first call and told me that mine was the strongest signal he had heard so far that day.

I can just imagine the expression on his face when I told him I was running 15 Watts and I was MOBILE!!! The antenna was a 102" SS whip.

Paul - K9ERG

--- In ham-antennas@yahoogroups.com, nss@... wrote:
>
> Finally someone else agrees with me. qsb is polarity related.
>
> I had a similar arrangement, i has a Mosley TA-33 up 50 feet.
>
> But i had it also on a U-110 rotor along it's boom. so i could go vert,
> horiz or anywhere inbetween,
>
> And rarely ws max sig at when the elements were hoizontal.
>
> even during a qso it would change
>
> it was quite amazing to see that 20 db polarity null!
>
> Joe WB9SBD
>
>
> > This can be demonstrated fairly easily...
> >
> > About 20 years ago I put up a modified "Moonraker 4"; it was modified
> > to work on 10 Meters.
> >
> > The antenna was put up so that the two yagis were at 45° to the
> > horizon. This significantly reduced the interference from the
> > supporting structure.
> >
> > The feedlines were identical (electrical) lengths of RG-141. This
> > ensures the phase shift in the two cables is ans will remain
> > identical.

> >
> > The feedlines wer connected to a switchable phasing network which
> > allowed the following polarizations:
> >
> > Horizontal
> >
> > Vertical
> >
> > Diagonal (45°)
> >
> > Diagonal (135°)
> >
> > Right-hand or clockwise circular
> >
> > Left-hand or anti-clockwise circular
> >
> > During periods of heavy QSB (E and F layer propagation) it was
> > possible to watch the polarization of the signal rotate as much as
> > 720 degees as it passed through the ionosphere.
> >
> > The QSB could be eliminated by using either of the two circular
> > polarizations.
> >
> > Paul - K9ERG
> >
> >
> >
> >
> > --- In ham-antennas@yahoogroups.com, "Scott Laughlin" <n7net@>
> > wrote:
> >>
> >> Paul,
> >>
> >> I think you're wrong. That's why hf flat top dipoles and
verticals
> >> are interchangable. Try horizontal polarization with a vhf and
> > watch
> >> the signals disappear.
> >>
> >> 72 de Scott/n7net/qrp
> >>
> >> --- In ham-antennas@yahoogroups.com, "Paul" <paul_c_g@> wrote:
> >> >
> >> > Antenna polarization is just as important on HF as on VHF/UHF.
> >> >
> >> > Most of the QSB experienced on HF is caused by the "Faraday
> >> Rotation"
> >> > where the polarization of the signal is rotated when it passes
> >> > through the ionosphere. As the amount of rotation changes, the
> >> signal

> >> > lever rises and falls.
> >> >
> >> > Paul
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> >
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7343. Re: [ham-antennas] Re: Vertical Yagi for HF ?

Yahoo group: ham-antennas (2008)
Date: 2008-12-20 17:01:18 UTC
From: Joe
Topic: 6385 Message: 7343

It was amazing at times to see the difference. Like i said rarely was the signal the best at perfect horizontal. but don't get me wrong here either, it wasnt primarily any other polarity either. It was just usually stronger at some rotation other than horizontal,

BUT I also have to admit, not only does the polarity have a play in this, but he take off angle of the antenna also.

For my rotating the polarity are you also not adjusting the main lobe elevation take off angle also?

Horizontal being at a hugher take off angle than vertical?

Paul wrote:

>Having this knowlege enabled me to make the SEVENTH 10 Meter QSO with
>Abania on the first day of operation...
>
>Knowing that most of the other stations were horizontal and my
>antenna was vertical, I just waited until the Albanian station was
>almost pinning my S meter, and threw my call sign into the pile-up.
>He came back on the first call and told me that mine was the
>strongest signal he had heard so far that day.
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>I can just imagine the expression on his face when I told him I was
>running 15 Watts and I was MOBILE!!! The antenna was a 102" SS whip.
>
>Paul - K9ERG
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>--- In ham-antennas@yahoogroups.com, nss@... wrote:
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>>Finally someone else agrees with me. qsb is polarity related.
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>>I had a similar arrangement, i has a Mosley TA-33 up 50 feet.
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>>But i had it also on a U-110 rotor along it's boom. so i could go
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>vert,
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>>>This can be demonstrated fairly easily...
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>>>About 20 years ago I put up a modified "Moonraker 4"; it was
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>>>to work on 10 Meters.
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>>>The antenna was put up so that the two yagis were at 45° to the
>>>horizon. This significantly reduced the interference from the
>>>supporting structure.
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>>>The feedlines were identical (electrical) lengths of RG-141. This
>>>ensures the phase shift in the two cables is ans will remain
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>>>allowed the following polarizations:
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>>>possible to watch the polarization of the signal rotate as much as
>>>720 degees as it passed through the ionosphere.
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>>>The QSB could be eliminated by using either of the two circular
>>>polarizations.
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>>>Paul - K9ERG

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>>>--- In ham-antennas@yahoogroups.com, "Scott Laughlin" <n7net@>
>>>wrote:
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>>>>Paul,
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>>>>I think you're wrong. That's why hf flat top dipoles and
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>verticals
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>>>>are interchangable. Try horizontal polarization with a vhf and
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>>>>72 de Scott/n7net/qrp
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[Non-text portions of this message have been removed]

7344. Re: Mosley TA-33M WARC

Yahoo group: ham-antennas (2008)
Date: 2008-12-20 17:28:21 UTC
From: phill104us
Topic: 7340 Message: 7344

Hi Joe:
I placed a picture of the antenna in the photo section in a folder named Mosely TA-33M WARC. Any help would be appreciated. I followed the assembly instruction as I understood they, but don't know if this antenna is designed with the two center elements higner on the boom than the director and reflector or if I did something wrong during assembly.

Thanks

--- In ham-antennas@yahoogroups.com, Joe <nss@...> wrote:
>
> How about stuffing the image in a folder on this groups page or similar.
>
> You image is not found, and honestly every one of those image storing
> places i rarely go to for all the crappy ad;s and all the other crap ya
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>
> phill104us wrote:
>
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> >
> >Need Help I have assembled my Mosley TA-33M WARC but it does not look
> >right. Do the (2) center elements BDE and FDE sit higher on the boom
> >than the reflector and director elements.
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> >Picture can be seem at :
> >
> >http://profile.imageshack.us/user/ph...sc00273qy8.jpg
> >
> >Thanks
> >Phil
> >
> >
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7345. Re: [ham-antennas] Re: Mosley TA-33M WARC

Yahoo group: ham-antennas (2008)
Date: 2008-12-20 17:46:56 UTC
From: Joe
Topic: 7340 Message: 7345

That looks exactly as my regular TA-33 Looks except for an extra driven element. So you have it built right.

One additional thing, Moseley if I remember right just split the coax to each half,, and piossibly suggested a coiled coax choke thing.

I had much cleaner pattern and better swr by putting a 1 to 1 W2AU balun for a regular dipole at the feed points. In addition then it was much easier to waterproof the end of the coax also.

Joe

phill104us wrote:

>Hi Joe:
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>named Mosely TA-33M WARC. Any help would be appreciated. I followed
>the assembly instruction as I understood they, but don't know if
>this antenna is designed with the two center elements higner on the
>boom than the director and reflector or if I did something wrong
>during assembly.
>
>Thanks
>
>--- In ham-antennas@yahoogroups.com, Joe <nss@...> wrote:
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>crap ya
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>>have to go through just to look at one simple image. tottally

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>sucks.
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>>the group has gigs of space use it.
>>
>>phill104us wrote:
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[Non-text portions of this message have been removed]

7346. Re: Mosley TA-33M WARC

Yahoo group: ham-antennas (2008)
Date: 2008-12-20 18:04:51 UTC
From: phill104us
Topic: 7340 Message: 7346

Thanks Joe: You have great recall. I added a second picture of the choke which came with the antenna, but I think I will take you advice and try a balun. Got to get it off the ground and do some testing. Its going on a 40ft. Rohn HDBX which I got free just for taking down.
Tnx Agn
Happy Holidays
73
Phil

--- In ham-antennas@yahoogroups.com, Joe <nss@...> wrote:
>
> That looks exactly as my regular TA-33 Looks except for an extra driven
> element. So you have it built right.
>
> One additional thing, Moseley if I remember right just split the coax
> to each half,, and piossibly suggested a coiled coax choke thing.
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> much easier to waterproof the end of the coax also.
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> phill104us wrote:
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> >>How about stuffing the image in a folder on this groups page or
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> >>>Thanks
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> [Non-text portions of this message have been removed]
>

7347. Re: [ham-antennas] Re: Mosley TA-33M WARC

Yahoo group: ham-antennas (2008)
Date: 2008-12-20 18:25:20 UTC
From: Joe
Topic: 7340 Message: 7347

One additional trick,

If you run into a bad SWR setup,,,,,,

When I first put mine up, I thought there was something terribly wrong with it. I bought it used at a hamfest. And i thought that the traps were toast!

because it resonated nowhere in the ham bands, it was way out of the bands at resonance points. don't remember exactly where but it was like way high on 20 low on 15 and like above 30 meg on ten. way BAD!!!!!!!

I contacted Mosley about it, and the tech started laughing, I thought Yeah here we go time to buy new traps, he said try this,, no doubt you have a patch cable laying around right? I said uh yeah of course,, he said try adding a couple oof feet to the feed line. Now i said what? and I said this is good coax not radio shack stuff,, Iwas Belden,, the best they has in the early 80's. don't remember the exact modle,

anyway, I had a 2 foot cable added it to the line after the swr/power meter and not only was the SWR now good it was perfect! Like flatright where i hoped it would be.

I made a custom setting,, as you know there weere seperate holes for CW vs SSB setings, I do both all the time, so I set it 1/2 way between the points,, and that is excactly whwere it resonated too..

For a small 3 element beam it had an incredible pattern!

have fun I wish i still had mine.

phill104us wrote:

>Thanks Joe: You have great recall. I added a second picture of the
>choke which came with the antenna, but I think I will take you
>advice and try a balun. Got to get it off the ground and do some
>testing. Its going on a 40ft. Rohn HDBX which I got free just for
>taking down.
>Tnx Agn
>Happy Holidays
>73
>Phil
>
>
>--- In ham-antennas@yahoogroups.com, Joe <nss@...> wrote:
>
>

>>That looks exactly as my regular TA-33 Looks except for an extra
>>
>>
>driven
>
>
>>element. So you have it built right.
>>
>>One additional thing, Moseley if I remember right just split the
>>
>>
>coax
>
>
>>to each half,, and piossibly suggested a coiled coax choke thing.
>>
>>I had much cleaner pattern and better swr by putting a 1 to 1 W2AU
>>balun for a regular dipole at the feed points. In addition then
>>
>>
>it was
>
>
>>much easier to waterproof the end of the coax also.
>>
>>Joe
>>
>>phill104us wrote:
>>
>>
>>
>>>Hi Joe:
>>>I placed a picture of the antenna in the photo section in a
>>>
>>>
>folder
>
>
>>>named Mosely TA-33M WARC. Any help would be appreciated. I
>>>
>>>
>followed
>
>
>>>the assembly instruction as I understood they, but don't know if
>>>this antenna is designed with the two center elements higner on
>>>
>>>
>the
>

>
>>>boom than the director and reflector or if I did something wrong
>>>during assembly.
>>>
>>>Thanks
>>>
>>>--- In ham-antennas@yahoogroups.com, Joe <nss@> wrote:
>>>
>>>
>>>
>>>
>>>>How about stuffing the image in a folder on this groups page or
>>>>
>>>>
>>>>
>>>>
>>>similar.
>>>
>>>
>>>
>>>
>>>>You image is not found, and honestly every one of those image
>>>>
>>>>
>>>>
>>>>
>>>storing
>>>
>>>
>>>
>>>
>>>>places i rarely go to for all the crappy ad;s and all the other
>>>>
>>>>
>>>>
>>>>
>>>crap ya
>>>
>>>
>>>
>>>
>>>>have to go through just to look at one simple image. tottally
>>>>
>>>>
>>>>
>>>>
>>>sucks.
>>>
>>>
>>>

>>>
>>>>the group has gigs of space use it.
>>>>
>>>>phill104us wrote:
>>>>
>>>>
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>>>>
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>>>>>----------
>>>>>
>>>>>
>--
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>
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>>>-----
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>>>>>---------
>>>>>
>>>>>Need Help I have assembled my Mosley TA-33M WARC but it does
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>>>>>
>not
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>>>>>
>>>look
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>>>
>>>
>>>>>right. Do the (2) center elements BDE and FDE sit higher on
>>>>>
>>>>>
>the
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>>>>>
>>>>>
>>>>>

>>>>>
>>>boom
>>>
>>>
>>>
>>>
>>>>>than the reflector and director elements.
>>>>>
>>>>>Picture can be seem at :
>>>>>
>>>>>http://profile.imageshack.us/user/ph...sc00273qy8.jpg
>>>>>
>>>>>Thanks
>>>>>Phil
>>>>>
>>>>>
>>>>>----------
>>>>>
>>>>>HAM ANTENNAS Anything and everything, tell us or ask questions.
>>>>>
>>>>>
>>>>>
>>>>>
>>>Replies go to ALL 1446 members (as of 9/26/08, and attachments
>>>
>>>
>are
>
>
>>>NOT permitted.
>>>
>>>
>>>
>>>
>>>>>Post message: ham-antennas@yahoogroups.com
>>>>>Subscribe: ham-antennas-subscribe@yahoogroups.com
>>>>>Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
>>>>>List owner: ham-antennas-owner@yahoogroups.com
>>>>>Yahoo! Groups Links
>>>>>
>>>>>
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>>>>>
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>>>
>>>----------
>>>
>>>HAM ANTENNAS Anything and everything, tell us or ask questions.
>>>
>>>
>Replies go to ALL 1446 members (as of 9/26/08, and attachments are
>NOT permitted.
>
>
>>>Post message: ham-antennas@yahoogroups.com
>>>Subscribe: ham-antennas-subscribe@yahoogroups.com
>>>Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
>>>List owner: ham-antennas-owner@yahoogroups.com
>>>Yahoo! Groups Links
>>>
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>>[Non-text portions of this message have been removed]
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>----------
>
>HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 1446
members (as of 9/26/08, and attachments are NOT permitted.
>Post message: ham-antennas@yahoogroups.com
>Subscribe: ham-antennas-subscribe@yahoogroups.com
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>List owner: ham-antennas-owner@yahoogroups.com
>Yahoo! Groups Links
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[Non-text portions of this message have been removed]

7348. Re: [ham-antennas] Mosley TA-33M WARC

Yahoo group: ham-antennas (2008)
Date: 2008-12-20 18:37:02 UTC
From: Siegfried Jackstien
Topic: 7340 Message: 7348

i don´t know if i am right (cause i don´t know that antenna)
but maybe the 2 elements have to be mounted upside down or the element holder has to be under the boom and not upside down ....
greetz
dg9bfc
----- Original Message -----
From: phill104us
To: ham-antennas@yahoogroups.com
Sent: Saturday, December 20, 2008 3:32 PM
Subject: [ham-antennas] Mosley TA-33M WARC

Need Help I have assembled my Mosley TA-33M WARC but it does not look right. Do the (2) center elements BDE and FDE sit higher on the boom than the reflector and director elements.

Picture can be seem at :

[URL=http://img243.imageshack.us/my.php?image=dsc00273qy8.jpg][IMG]
http://img243.imageshack.us/img243/5984/dsc00273qy8.th.jpg[/IMG][/URL]

Thanks
Phil

[Non-text portions of this message have been removed]

7349. Re: antennas and tube radios

Yahoo group: ham-antennas (2008)
Date: 2008-12-20 19:06:59 UTC
From: Brian Hall
Topic: 7331 Message: 7349

I'm a little surprised at the question, coming from a extra class license holder...but since you're a jarhead I'll type slow for you (just kidding).

A monoband dipole cut to resonance is the easy answer, but I don't know what size or type antenna your location permits.

I've personally used an Alpha Delta DX-EE dipole in two locations that would likely work well on both 40M and 20M without a tuner if it was trimmed properly. I didn't trim mine...just put it up and used a tuner for touch-ups, but they were minor adjustments. I was using a Kenwood TS-520 w/ tube finals and they are pretty forgiving as long as you keep the SWR below 2:1. The HW-101 you refer to has a very similar final section as the 520 and should work fine; however, the larger the mismatch, the shorter your final tube life. There are currently a lot of 6146's around, but I'd get a spare set or two before the supply dries up.

I've also used a GAP Eagle vertical without a tuner and know several others who have used a GAP Titan without a tuner if your location favors a vertical over a dipole.

73,
Brian AC7NA
Anchors Aweigh!

--- In ham-antennas@yahoogroups.com, "Frank MacKenzie-Lamb" <maclamb@...> wrote:
>
> Hello All,
>
> I am going to put two tube radios on the air, a Swan Cygnet and an HW-
> 101. Hopwever, I don't want to uase a tuner AND I'd like to do CW with
> the HW-101 on 40 and SSB on 20.
>
> can anyone make a good suggestion just how Im can do this?
>
> Thanks
> Frank
> NG1I
> Semper Fi
>

7350. Re: Can I ask this?

Yahoo group: ham-antennas (2008)
Date: 2008-12-20 21:00:43 UTC
From: catboat15@aol.com
Topic: 7332 Message: 7350

If you put up your cut to hand book length antenna as an "inverted V" a dipole comes pretty close to a 50 ohm match. Sometimes a balun is not needed to match the impedance, but a 1 to 1 for the match from coax to the wire.

**********A Good Credit Score is 700 or Above. See yours in just 2 easy steps!
(http://pr.atwola.com/promoclk/100000075x1215047751x1200957972/aol?redir=http://www.freecreditreport.com/pm/default.aspx?sc=668072%26hmpgID=62%26bcd=DecemailfooterNO62)

[Non-text portions of this message have been removed]

7351. Re: [ham-antennas] Mosley TA-33M WARC

Yahoo group: ham-antennas (2008)
Date: 2008-12-20 21:04:53 UTC
From: Joe
Topic: 7340 Message: 7351

No, he has it right,

Joer

Siegfried Jackstien wrote:

>i don?t know if i am right (cause i don?t know that antenna)
>but maybe the 2 elements have to be mounted upside down or the element holder has to be under the boom and not upside down ....
>greetz
>dg9bfc
> ----- Original Message -----
> From: phill104us
> To: ham-antennas@yahoogroups.com
> Sent: Saturday, December 20, 2008 3:32 PM
> Subject: [ham-antennas] Mosley TA-33M WARC
>
>
> ----------
> ---------
>
> Need Help I have assembled my Mosley TA-33M WARC but it does not look
> right. Do the (2) center elements BDE and FDE sit higher on the boom
> than the reflector and director elements.
>
> Picture can be seem at :
>
> [URL=http://img243.imageshack.us/my.php?image=dsc00273qy8.jpg][IMG]
> http://img243.imageshack.us/img243/5984/dsc00273qy8.th.jpg[/IMG][/URL]
>
> Thanks
> Phil
>
>
>
>
>
>[Non-text portions of this message have been removed]
>
>
>----------
>
>HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 1446 members (as of 9/26/08, and attachments are NOT permitted.
>Post message: ham-antennas@yahoogroups.com
>Subscribe: ham-antennas-subscribe@yahoogroups.com

>Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
>List owner: ham-antennas-owner@yahoogroups.com
>Yahoo! Groups Links
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7352. Re: [ham-antennas] antennas and tube radios

Yahoo group: ham-antennas (2008)
Date: 2008-12-21 01:48:23 UTC
From: Forrest Plumstead
Topic: 7331 Message: 7352

On Fri, Dec 19, 2008 at 3:02 PM, Frank MacKenzie-Lamb
<maclamb@...>wrote:

> Hello All,
>
> I am going to put two tube radios on the air, a Swan Cygnet and an HW-
> 101. Hopwever, I don't want to uase a tuner AND I'd like to do CW with
> the HW-101 on 40 and SSB on 20.
>
> can anyone make a good suggestion just how Im can do this?
>
> Thanks
> Frank
> NG1I
> Semper Fi
>
>
>
You have a HW 101 I am green with envy and jealousy. The fellow K5LS who got me through my Novice/General had one. I do however have a HW-8 which I am restoring.

I agree with the other comments Tubes are a lot more forgiving and if I can give away my age a lot more fun!

--
Forrest Plumstead fplum1@...
PLUMSTEAD-L List master
http://lists.rootsweb.com/index/surname/p/plumstead.html
Plumstead and Associated Families:
http://freepages.genealogy.rootsweb.com/~fplum/
Military Kool Lynx: http://geocities.com/fplum/
Ham Radio WB5HQO http://forrest.3h.com/main.html
Photos: http://myspace.com/fplum7755

[Non-text portions of this message have been removed]

7353. Re: Can I ask this?

Yahoo group: ham-antennas (2008)
Date: 2008-12-21 17:16:06 UTC
From: al_kozakiewicz
Topic: 7332 Message: 7353

Actually, an inverted vee at 20' probably isn't going to be noticably different than a dipole at 7'. And, to be kind, an 80m inverted vee with the apex at 20' and the ends at 7' is more like an 'inverted sag'! Until you get above 0.3 wavelengths in height, the takeoff angle is still 90 degrees. That's 42' at 40m and 84' on 80m. There's a difference in the beamwidth, but that's so wide at these heights that both are still effectively omnidirectional.

My experience says that if you want good performance on 80/40 meters and you can't get a wire antenna up at least 60', go with a ground mounted vertical. A low wire antenna will work better than no antenna at all, of course, but you'll be able to hear far more stations than you can work.

Al
AB2ZY

--- In ham-antennas@yahoogroups.com, "Leonard K. Pennock" <leonardpennock@...> wrote:
>
> Having the antenna at 7' for 40/80M will result in a NVIS antenna. Will
> be good for local communication out to about 500 miles. The inverted-V
> with the apex at 20' will still have some NVIS tendencies but should
> provide some longer range stuff also. Both should provide a relatively
> omni directional pattern. Personally I would go the inverted-V unless I
> was doing it for a emergency communications setup.
>
> Robert wrote:
>
> > 1) I can put the antenna over the wood fence about 7', or I can put
> > it in an inverted v having the top at about 20'. Will this make a
> > difference and what type?
> >
>
> --
> Leonard K. Pennock
> AD7AS
>
> Those who walk bravely through life, unafraid of loss or failure,
> find that they very rarely lose or fail.
>

7354. Re:hf dipole query

Yahoo group: ham-antennas (2008)
Date: 2008-12-21 19:11:00 UTC
From: Kyle N4NSS
Topic: 7267 Message: 7354

Use the formula for dipole 468/freq in Mhz.= feet. Add 5% more overall and put it up. Check for the lowest SWR and read the frequency. Then put the new frequency into the formula and you will get the new length. This process saves you from the cut'n try method.

You can zigzag the antenna wire to fit lot.

Kyle W. Jeske
N4NSS / NNN0EGS - NavyMARS
Licensed since '66 GORC #126
SKCC #3595 NAQCC #2019 FPQRP #1766
Grid:EL87qt -82.6353W 27.8145N
My site: http://www.n4nss.org

[Non-text portions of this message have been removed]

7355. Re: Carolina windom antenna

Yahoo group: ham-antennas (2008)
Date: 2008-12-21 19:43:23 UTC
From: Kyle N4NSS
Topic: 7242 Message: 7355

Check this out:
http://www.packetradio.com/windom.htm

Kyle W. Jeske
N4NSS / NNN0EGS - NavyMARS
Licensed since '66 GORC #126
SKCC #3595 NAQCC #2019 FPQRP #1766
Grid:EL87qt -82.6353W 27.8145N
My site: http://www.n4nss.org

[Non-text portions of this message have been removed]

7356. Ham antenna rotators

Yahoo group: ham-antennas (2008)
Date: 2008-12-21 22:43:48 UTC
From: Peter Carr
Topic: 7356 Message: 7356

Hi to all and Happy Holidays.
I have a satellite array using two TV rotators. The horizontal unit is a U-100 on its side with the boom going through it. The azimuth unit is a Radio Shack which is less than two years old. The problem is that the Radio Shack freezes up. I've wrapped the unit in heavy plastic to keep the rain out and it still freezes up. The U-100 works fine. The best passes on AO-51 are early in the morning which is when the temperature gets down to 10 degrees. Later, when the air warms up everything is okay. Has anyone on the list a suggestion on how to keep the antennas turning?
Thanks & 73,
Pete Carr WW3O
Western Pennsylvania

[Non-text portions of this message have been removed]

7357. NEED HY-GAIN TH-5 MANUAL

Yahoo group: ham-antennas (2008)
Date: 2008-12-22 01:38:58 UTC
From: Dan Coleman
Topic: 7357 Message: 7357

I am in need of a Hy-Gain TH-5 manual. This antenna is not the current version on the web. I think it is a TH-5DX. Do you have a manual that you can scan and email me?
Many thanks and 73,
Dan, W8KMX@...

7358. Re: [ham-antennas] NEED HY-GAIN TH-5 MANUAL

Yahoo group: ham-antennas (2008)
Date: 2008-12-22 02:20:52 UTC
From: Chuck Schultz
Topic: 7357 Message: 7358

Denny , I am forwarding you this in hopes you have the manual for Cliff's old TH-5DX and can help this young fellow . Oh .... go ahead & look for it ..... It's Christmas Chuck Wq5B

----- Original Message -----
From: Dan Coleman
To: ham-antennas@yahoogroups.com
Sent: Sunday, December 21, 2008 7:38 PM
Subject: [ham-antennas] NEED HY-GAIN TH-5 MANUAL

I am in need of a Hy-Gain TH-5 manual. This antenna is not the current version on the web. I think it is a TH-5DX. Do you have a manual that you can scan and email me?
Many thanks and 73,
Dan, W8KMX@...

[Non-text portions of this message have been removed]

7359. Re: [ham-antennas] NEED HY-GAIN TH-5 MANUAL

Yahoo group: ham-antennas (2008)
Date: 2008-12-22 02:42:21 UTC
From: Ken Burchfield
Topic: 7357 Message: 7359

Try BAMA
73 Ken

Hy-Gain
TH5DX, Manual for the HyGain TH-5DX Triband Antenna. Compliments of Larry K3VX / VP2MVX.
TH6DXX, Manual for TH6DXX. Compliments of Gary Fender, W5UUO. ...
bama.sbc.edu/hy-gain.htm - 31k - Cached - Similar pages

PacketRadio is Still Alive.....Mississippi.....145.010.....Simplex.....1200 Baud

---
From: Dan Coleman <w8kmx@...>
To: ham-antennas@yahoogroups.com
Sent: Sunday, December 21, 2008 7:38:58 PM
Subject: [ham-antennas] NEED HY-GAIN TH-5 MANUAL

I am in need of a Hy-Gain TH-5 manual. This antenna is not the current
version on the web. I think it is a TH-5DX. Do you have a manual that
you can scan and email me?
Many thanks and 73,
Dan, W8KMX@bellsouth. net

--

[Non-text portions of this message have been removed]

7360. Re: [ham-antennas] Ham antenna rotators

Yahoo group: ham-antennas (2008)
Date: 2008-12-22 03:37:54 UTC
From: wa7dxz@aol.com
Topic: 7356 Message: 7360

Is there any way that you can take the rotor apart and use some type of grease on it to help or deter the freezing? Some type of grease on the bearings? Or teeth, however it works?
Bob WA7DXZ
DM33 Sun City AZ
**********One site keeps you connected to all your email: AOL Mail, Gmail, and Yahoo Mail. Try it now.
(http://www.aol.com/?optin=new-dp&icid=aolcom40vanity&ncid=emlcntaolcom00000025)

[Non-text portions of this message have been removed]

7361. Re: Ham antenna rotators

Yahoo group: ham-antennas (2008)
Date: 2008-12-22 03:52:35 UTC
From: David Lewis
Topic: 7356 Message: 7361

Hi Pete,
How about one of the heat tape strips,used to wrap along water pipes,to keep them from freezing.You are'nt supposed to wrap it over itself,but you should get about 4 or so turns around it,then tape it in place.Some of the better ones(a little more expensive)have thermostatic controls to set to begin warming at a certain temperature.They should be available at any hardware or home improvement store.They used to be about $20,for a six foot strip,but I have'nt bought one in several years.Hope this helps.
David n5sjs

>
> Hi to all and Happy Holidays.
> I have a satellite array using two TV rotators. The horizontal unit is a U-100 on its side with the boom going through it. The azimuth unit is a Radio Shack which is less than two years old. The problem is that the Radio Shack freezes up. I've wrapped the unit in heavy plastic to keep the rain out and it still freezes up. The U-100 works fine. The best passes on AO-51 are early in the morning which is when the temperature gets down to 10 degrees. Later, when the air warms up everything is okay. Has anyone on the list a suggestion on how to keep the antennas turning?
> Thanks & 73,
> Pete Carr WW3O
> Western Pennsylvania
>
>
>
>
> [Non-text portions of this message have been removed]
>

7362. Re: NEED HY-GAIN TH-5 MANUAL

Yahoo group: ham-antennas (2008)
Date: 2008-12-22 14:22:35 UTC
From: ad7gr
Topic: 7357 Message: 7362

The (PDF) manual for the TH5DX is available as a free download on
http://bama.edebris.com/manuals/hygain/th5dx/ I just checked it and
it is a good download.

73 & Merry Christmas,
Ed - AD7GR

--- In ham-antennas@yahoogroups.com, "Dan Coleman" <w8kmx@...> wrote:
>
> I am in need of a Hy-Gain TH-5 manual.

7363. Re: NEED HY-GAIN TH-5 MANUAL

Yahoo group: ham-antennas (2008)
Date: 2008-12-22 14:26:09 UTC
From: Dan Coleman
Topic: 7357 Message: 7363

Thanks for the info. Using your suggestions, I have been able to
download the manual. Much appreciated.
Merry Christmas to all.
73,
Dan, W8KMX

--- In ham-antennas@yahoogroups.com, "ad7gr" <ad7gr@...> wrote:
>
> The (PDF) manual for the TH5DX is available as a free download on
> http://bama.edebris.com/manuals/hygain/th5dx/ I just checked it
and
> it is a good download.
>
> 73 & Merry Christmas,
> Ed - AD7GR
>
>
> --- In ham-antennas@yahoogroups.com, "Dan Coleman" <w8kmx@> wrote:
> >
> > I am in need of a Hy-Gain TH-5 manual.
>

7364. Re: Ham antenna rotators

Yahoo group: ham-antennas (2008)
Date: 2008-12-22 14:29:12 UTC
From: Kyle N4NSS
Topic: 7356 Message: 7364

Try using a heat tape wrapped around the case of the rotor.

Kyle W. Jeske
N4NSS / NNN0EGS - NavyMARS
Licensed since '66 GORC #126
SKCC #3595 NAQCC #2019 FPQRP #1766
Grid:EL87qt -82.6353W 27.8145N
My site: http://www.n4nss.org

[Non-text portions of this message have been removed]

7365. Re: [ham-antennas] Re: Ham antenna rotators

Yahoo group: ham-antennas (2008)
Date: 2008-12-22 15:33:13 UTC
From: Peter Carr
Topic: 7356 Message: 7365

Hi Dave and thanks for the info. The antennas are atop a 40 foot telephone pole in the back yard. I'm trying to avoid running AC up the pole for safety reasons. There is already a 12 volt line which powers the 435 Mhz preamp. I may have to go to a heavier rotator like Hygain makes.
Thanks again & Happy Holidays.
73,
Pete

--- On Sun, 12/21/08, David Lewis <n5sjs@...> wrote:

From: David Lewis <n5sjs@...>
Subject: [ham-antennas] Re: Ham antenna rotators
To: ham-antennas@yahoogroups.com
Date: Sunday, December 21, 2008, 10:52 PM

Hi Pete,
How about one of the heat tape strips,used to wrap along water pipes,to keep them from freezing.You are'nt supposed to wrap it over itself,but you should get about 4 or so turns around it,then tape it in place.Some of the better ones(a little more expensive)have thermostatic controls to set to begin warming at a certain temperature. They should be available at any hardware or home improvement store.They used to be about $20,for a six foot strip,but I have'nt bought one in several years.Hope this helps.
David n5sjs

>
> Hi to all and Happy Holidays.
> I have a satellite array using two TV rotators. The horizontal unit is a U-100 on its side with the boom going through it. The azimuth unit is a Radio Shack which is less than two years old. The problem is that the Radio Shack freezes up. I've wrapped the unit in heavy plastic to keep the rain out and it still freezes up. The U-100 works fine. The best passes on AO-51 are early in the morning which is when the temperature gets down to 10 degrees. Later, when the air warms up everything is okay. Has anyone on the list a suggestion on how to keep the antennas turning?
> Thanks & 73,
> Pete Carr WW3O
> Western Pennsylvania
>
>
>
>
> [Non-text portions of this message have been removed]
>

[Non-text portions of this message have been removed]

7366. Re: [ham-antennas] Ham antenna rotators

Yahoo group: ham-antennas (2008)
Date: 2008-12-22 15:37:43 UTC
From: Peter Carr
Topic: 7356 Message: 7366

Hi Bob and thanks for the reply. A friend of mine has some "waterproof" grease. I thought all grease was waterproof! Anyway, there is access to the gear if I dismount the rotator so I'll have to take it down. We have had a string of bad storms here recently but the previous rotator lasted 8 years with the same antennas. I may have bought a defective one. Again, thanks for the info and Happy Holidays.
73,
Pete Carr

--- On Sun, 12/21/08, wa7dxz@aol.com <wa7dxz@...> wrote:

From: wa7dxz@... <wa7dxz@...>
Subject: Re: [ham-antennas] Ham antenna rotators
To: ham-antennas@...m
Date: Sunday, December 21, 2008, 10:37 PM

Is there any way that you can take the rotor apart and use some type of
grease on it to help or deter the freezing? Some type of grease on the bearings?
Or teeth, however it works?
Bob WA7DXZ
DM33 Sun City AZ
********** **One site keeps you connected to all your email: AOL Mail,
Gmail, and Yahoo Mail. Try it now.
(http://www.aol. com/?optin= new-dp&icid= aolcom40vanity& ncid=emlcntaolco m00000025)

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

7367. Re: [ham-antennas] Re: Can I ask this? ground mounted vertical

Yahoo group: ham-antennas (2008)
Date: 2008-12-22 18:20:49 UTC
From: Robert Campbell
Topic: 7332 Message: 7367

Ground mounted vertical? Ok I can get the apex up only about 30' in an inverted V, and about 20' as a dipole I would like to work 40 and 80 meters. What ground mounted vertical do you suggest. I have heard that ground mounted multi band verticals are not efficient. 73's de ke5vnx.

--- On Sun, 12/21/08, al_kozakiewicz <akozak@...> wrote:

From: al_kozakiewicz <akozak@...>
Subject: [ham-antennas] Re: Can I ask this?
To: ham-antennas@yahoogroups.com
Date: Sunday, December 21, 2008, 11:16 AM

Actually, an inverted vee at 20' probably isn't going to be noticably different than a dipole at 7'. And, to be kind, an 80m inverted vee with the apex at 20' and the ends at 7' is more like an 'inverted sag'! Until you get above 0.3 wavelengths in height, the takeoff angle is still 90 degrees. That's 42' at 40m and 84' on 80m. There's a difference in the beamwidth, but that's so wide at these heights that both are still effectively omnidirectional.

My experience says that if you want good performance on 80/40 meters and you can't get a wire antenna up at least 60', go with a ground mounted vertical. A low wire antenna will work better than no antenna at all, of course, but you'll be able to hear far more stations than you can work.

Al
AB2ZY

--- In ham-antennas@ yahoogroups. com, "Leonard K. Pennock" <leonardpennock@ ...> wrote:
>
> Having the antenna at 7' for 40/80M will result in a NVIS antenna. Will
> be good for local communication out to about 500 miles. The inverted-V
> with the apex at 20' will still have some NVIS tendencies but should
> provide some longer range stuff also. Both should provide a relatively
> omni directional pattern. Personally I would go the inverted-V unless I
> was doing it for a emergency communications setup.
>
> Robert wrote:
>
> > 1) I can put the antenna over the wood fence about 7', or I can

put
> > it in an inverted v having the top at about 20'. Will this make a
> > difference and what type?
> >
>
> --
> Leonard K. Pennock
> AD7AS
>
> Those who walk bravely through life, unafraid of loss or failure,
> find that they very rarely lose or fail.
>

[Non-text portions of this message have been removed]

7368. Re: [ham-antennas] Ham antenna rotators

Yahoo group: ham-antennas (2008)
Date: 2008-12-22 18:29:51 UTC
From: Pat Turner
Topic: 7356 Message: 7368

i would try silicone based grease, not petroileum based grease. it is like vaseline. it does not thicken as the temperature drops. i have some but it is actually labeled "vacuum pump grease".
just a thought.
pat, K3PB

--- On Mon, 12/22/08, Peter Carr <wb3bqo@...> wrote:

From: Peter Carr <wb3bqo@...>
Subject: Re: [ham-antennas] Ham antenna rotators
To: ham-antennas@yahoogroups.com
Date: Monday, December 22, 2008, 3:37 PM

Hi Bob and thanks for the reply. A friend of mine has some "waterproof" grease. I thought all grease was waterproof! Anyway, there is access to the gear if I dismount the rotator so I'll have to take it down. We have had a string of bad storms here recently but the previous rotator lasted 8 years with the same antennas. I may have bought a defective one.
Again, thanks for the info and Happy Holidays.
73,
Pete Carr

--- On Sun, 12/21/08, wa7dxz@...m <wa7dxz@...> wrote:

From: wa7dxz@... <wa7dxz@...>
Subject: Re: [ham-antennas] Ham antenna rotators
To: ham-antennas@yahoogroups.com
Date: Sunday, December 21, 2008, 10:37 PM

Is there any way that you can take the rotor apart and use some type of grease on it to help or deter the freezing? Some type of grease on the bearings?
Or teeth, however it works?
Bob WA7DXZ
DM33 Sun City AZ
********** **One site keeps you connected to all your email: AOL Mail, Gmail, and Yahoo Mail. Try it now.
(http://www.aol. com/?optin= new-dp&icid= aolcom40vanity& ncid=emlcntaolco m00000025)

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to
ALL 1446 members (as of 9/26/08, and attachments are NOT permitted.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

[Non-text portions of this message have been removed]

7369. Re: [ham-antennas] Re: Can I ask this? ground mounted vertical

Yahoo group: ham-antennas (2008)
Date: 2008-12-22 18:42:24 UTC
From: John Lewis
Topic: 7332 Message: 7369

Just my 2 cents, but I have always lived in an urban environment and tried several verticals over the years. My two favorites are the Butternut HF6V, which I used for almost 16 years (worked lots of DX and WAS), and my latest vert is a Gap Titan. Yesterday - even with these terrible band conditions - I worked a VE3 with 1 watt QRP using my Icom 718 and Titan vertical, and received a 569 sig report to boot, so I'd say the Titan is doing a pretty good job.

I'd vouch for either of those two antennas.

John
WA6SPA

----- Original Message -----
From: Robert Campbell <robertcampbell1374@yahoo.com>
To: ham-antennas@yahoogroups.com
Date: Mon, 22 Dec 2008 10:20:49 -0800 (PST)
Subject: Re: [ham-antennas] Re: Can I ask this? ground mounted vertical

> Ground mounted vertical?Â Â Ok I can getÂ the apexÂ up onlyÂ about 30' in an inverted V, and about 20' as a dipoleÂ I would like to work 40 and 80 meters.Â What ground mounted vertical do youÂ suggest. I have heard that ground mounted multi band verticals are not efficient.
> 73's de ke5vnx.
>
> --- On Sun, 12/21/08, al_kozakiewicz <akozak@hourglass. com> wrote:
>
> From: al_kozakiewicz <akozak@hourglass. com>
> Subject: [ham-antennas] Re: Can I ask this?
> To: ham-antennas@ yahoogroups. com
> Date: Sunday, December 21, 2008, 11:16 AM
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> Actually, an inverted vee at 20' probably isn't going to be noticably
> different than a dipole at 7'. And, to be kind, an 80m inverted vee
> with the apex at 20' and the ends at 7' is more like an 'inverted
> sag'! Until you get above 0.3 wavelengths in height, the takeoff
> angle is still 90 degrees. That's 42' at 40m and 84' on 80m.
> There's a difference in the beamwidth, but that's so wide at these
> heights that both are still effectively omnidirectional.
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> My experience says that if you want good performance on 80/40 meters
> and you can't get a wire antenna up at least 60', go with a ground
> mounted vertical. A low wire antenna will work better than no
> antenna at all, of course, but you'll be able to hear far more
> stations than you can work.
>
> Al

> AB2ZY
>
> --- In ham-antennas@ yahoogroups. com, "Leonard K. Pennock"
> <leonardpennock@ ...> wrote:
> >
> > Having the antenna at 7' for 40/80M will result in a NVIS antenna.
> Will
> > be good for local communication out to about 500 miles. The
> inverted-V
> > with the apex at 20' will still have some NVIS tendencies but should
> > provide some longer range stuff also. Both should provide a
> relatively
> > omni directional pattern. Personally I would go the inverted-V
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> > was doing it for a emergency communications setup.
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> > Robert wrote:
> >
> > > 1) I can put the antenna over the wood fence about 7', or I can
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> > > it in an inverted v having the top at about 20'. Will this make a
> > > difference and what type?
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> > --
> > Leonard K. Pennock
> > AD7AS
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> > Those who walk bravely through life, unafraid of loss or failure,
> > find that they very rarely lose or fail.
> >
>
> [Non-text portions of this message have been removed]
>
>
>

7370. Re: Can I ask this? ground mounted vertical

Yahoo group: ham-antennas (2008)
Date: 2008-12-22 18:44:09 UTC
From: al_kozakiewicz
Topic: 7332 Message: 7370

I'm using a Butternut HF2V for 80/40m and a compact homebrew yagi for 20m. I'm not operating on any other bands right now.

The Butternut vertical is about 32' high and I have 24 radials of the same length laying on top of the ground (I'll bury them in the spring after I'm sure we're past the XYL break-in period). It is a full quarter wave on 40m and is base loaded on 80m. I run about 500W of power and I regularly work the UK and the southeast US with no problems on 80m. Other recent 80m dx includes Poland, Russia, Spain, Canary Islands, Cuba, Venezuela, European Russia, Hungary, Bulgaria and Italy. My QTH is near Albany, New York.

I don't do a lot of local ragchewing, so I can't really comment on what, if anything, I've given up for the low takeoff angle. I have a horzontal loop antenna that's pretty low (20-30') that I occasionally use for receving because it has lower noise than the vertical that could be employed for NVIS, but I haven't needed to use it since I put up the vertical.

Pretty much if I can hear 'em, I can work 'em. Not always, but I'm a lot more satisfied than I was with the low mounted G5RV I used to have.

Al
AB2ZY

--- In ham-antennas@yahoogroups.com, Robert Campbell
<robertcampbell1374@...> wrote:
>
> Ground mounted vertical? Ok I can get the apex up only about 30'
in an inverted V, and about 20' as a dipole I would like to work 40
and 80 meters. What ground mounted vertical do you suggest. I have
heard that ground mounted multi band verticals are not efficient.
> 73's de ke5vnx.
>
> --- On Sun, 12/21/08, al_kozakiewicz <akozak@...> wrote:
>
> From: al_kozakiewicz <akozak@...>
> Subject: [ham-antennas] Re: Can I ask this?
> To: ham-antennas@yahoogroups.com
> Date: Sunday, December 21, 2008, 11:16 AM
>
>
>
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> Actually, an inverted vee at 20' probably isn't going to be
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> --- In ham-antennas@ yahoogroups. com, "Leonard K. Pennock"
> <leonardpennock@ ...> wrote:
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> [Non-text portions of this message have been removed]
>

7371. Re: [ham-antennas] Re: Can I ask this? ground mounted vertical

Yahoo group: ham-antennas (2008)
Date: 2008-12-22 19:49:56 UTC
From: John Lewis
Topic: 7332 Message: 7371

Forgot to mention, just about any vertical you find these days are extremely overpriced for what you get - as a for instance, I paid $149 for my HF6V - they're now about $400 for the same antenna - in my opinion it's not worth it, but if you can find a good used one, that might be a deal.

Be sure and check if the vertical requires radials to operate properly (such as the HF6V) . If so do a web search for antenna radials to decide what to use -- there's lot of different theories on how many to use and how long to make them. The Gap doesn't require radials, that's why I switched. For the HF6V I buried 62 radials which were about 125 feet long (it was not fun) but eventually they kept working their way back up to the top of the yard where my lawn mower would destroy them, so I went to a no radial design. So far, no regrets.

If you possibly can, I'd just stick to one of the various dipole configurations (a whole heck of a lot cheaper and (50/50) just as good, sometimes better, but if you really need a vertical, the Titan or HF6V should serve you well depending on if you don't mind radials or not.

MJF makes a cheaper multi-band vertical, but I've never tried it...

John
WA6SPA

----- Original Message -----
From: John Lewis <wa6spa@...>
To: ham-antennas@yahoogroups.com
Date: Mon, 22 Dec 2008 10:42:24 -0800 (PST)
Subject: Re: [ham-antennas] Re: Can I ask this? ground mounted vertical

> Just my 2 cents, but I have always lived in an urban environment and tried several verticals over the years. My two favorites are the Butternut HF6V, which I used for almost 16 years (worked lots of DX and WAS), and my latest vert is a Gap Titan. Yesterday - even with these terrible band conditions - I worked a VE3 with 1 watt QRP using my Icom 718 and Titan vertical, and received a 569 sig report to boot, so I'd say the Titan is doing a pretty good job.
>
> I'd vouch for either of those two antennas.
>
> John
> WA6SPA
>
> ----- Original Message -----
> From: Robert Campbell <robertcampbell1374@ yahoo.com>
> To: ham-antennas@ yahoogroups. com
> Date: Mon, 22 Dec 2008 10:20:49 -0800 (PST)
> Subject: Re: [ham-antennas] Re: Can I ask this? ground mounted vertical

>
> > Ground mounted vertical?Ã‚Â Ã‚Â Ok I can getÃ‚Â the apexÃ‚Â up onlyÃ‚Â about 30' in an inverted V, and about 20' as a dipoleÃ‚Â I would like to work 40 and 80 meters.Ã‚Â What ground mounted vertical do youÃ‚Â suggest. I have heard that ground mounted multi band verticals are not efficient.
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> > --- On Sun, 12/21/08, al_kozakiewicz <akozak@hourglass. com> wrote:
> >
> > From: al_kozakiewicz <akozak@hourglass. com>
> > Subject: [ham-antennas] Re: Can I ask this?
> > To: ham-antennas@ yahoogroups. com
> > Date: Sunday, December 21, 2008, 11:16 AM
> >
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> > --- In ham-antennas@ yahoogroups. com, "Leonard K. Pennock"
> > <leonardpennock@ ...> wrote:
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> >
> > [Non-text portions of this message have been removed]
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7372. ground mounted vertical

Yahoo group: ham-antennas (2008)
Date: 2008-12-22 20:57:58 UTC
From: wa7dxz@aol.com
Topic: 7372 Message: 7372

I have a Hygain R7,,, no longer made, but i am very happy with it,,, uses counter poises, no need for ground radials. My best performance with it is mounted on a pole 8 feet high... much better performance than true ground mounting. Although these are no longer made, you can find used ones for $125... and I think they are well worth that. (I use mine on Navy MARS 80meters with a tuner)
But please be aware, if you put up a radial that requires radials... you MUST use the radials or you will have a wet noodle.
I had previously used a Butternut, I liked it a lot, and a GAP, which was also good, but, over priced.

Verticals work... only if you follow the instructions. Cutting corners won't work.
Bob
'WA7DXZ
**********One site keeps you connected to all your email: AOL Mail, Gmail, and Yahoo Mail. Try it now.
(http://www.aol.com/?optin=new-dp&icid=aolcom40vanity&ncid=emlcntaolcom00000025)

[Non-text portions of this message have been removed]

7373. Re: [ham-antennas] Ham antenna rotators

Yahoo group: ham-antennas (2008)
Date: 2008-12-22 21:38:21 UTC
From: Peter Carr
Topic: 7356 Message: 7373

Hi Pat. That's a great idea. I'd used vacuum pump grease back in Physics Lab at college. It didn't occur to me that the silicone would work well at low temps. I'll give it a try. Thanks again for the info & Happy Holidays.
Best 73,
Pete Carr

--- On Mon, 12/22/08, Pat Turner <k3pb_ham@...> wrote:

From: Pat Turner <k3pb_ham@...>
Subject: Re: [ham-antennas] Ham antenna rotators
To: ham-antennas@yahoogroups.com
Date: Monday, December 22, 2008, 1:29 PM

i would try silicone based grease, not petroileum based grease. it is like vaseline. it does not thicken as the temperature drops. i have some but it is actually labeled "vacuum pump grease".
just a thought.
pat, K3PB

--- On Mon, 12/22/08, Peter Carr <wb3bqo@yahoo. com> wrote:

From: Peter Carr <wb3bqo@yahoo. com>
Subject: Re: [ham-antennas] Ham antenna rotators
To: ham-antennas@ yahoogroups. com
Date: Monday, December 22, 2008, 3:37 PM

Hi Bob and thanks for the reply. A friend of mine has some "waterproof" grease. I thought all grease was waterproof! Anyway, there is access to the gear if I dismount the rotator so I'll have to take it down. We have had a string of bad storms here recently but the previous rotator lasted 8 years with the same antennas. I may have bought a defective one.
Again, thanks for the info and Happy Holidays.
73,
Pete Carr

--- On Sun, 12/21/08, wa7dxz@... <wa7dxz@...> wrote:

From: wa7dxz@... <wa7dxz@...>
Subject: Re: [ham-antennas] Ham antenna rotators
To: ham-antennas@ yahoogroups. com
Date: Sunday, December 21, 2008, 10:37 PM

Is there any way that you can take the rotor apart and use some type of grease on it to help or deter the freezing? Some type of grease on the bearings?
Or teeth, however it works?

Bob WA7DXZ
DM33 Sun City AZ
********** **One site keeps you connected to all your email: AOL Mail, Gmail, and Yahoo Mail. Try it now.
(http://www.aol. com/?optin= new-dp&icid= aolcom40vanity&ncid=emlcntaolco m00000025)

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 1446 members (as of 9/26/08, and attachments are NOT permitted.
Post message: ham-antennas@ yahoogroups. com
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List owner: ham-antennas- owner@yahoogroup s.com
Yahoo! Groups Links

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

7374. Keeping rotor unfrozen

Yahoo group: ham-antennas (2008)
Date: 2008-12-22 21:54:16 UTC
From: Frank MacKenzie-Lamb
Topic: 7374 Message: 7374

Also, I belive theier is a lithiumj grease that does freeze....check you local auto garage because they too carry grease that doesn't freeze. Putting a warm wrapper around a rotor IMHO really is unnessary unless that the only option open to you.

It is easier to open up the rotor and grease every moving part but remove all rust and make sure you don't have any gear teeth missing as it will throw your direction off.

Just my 2 cents and FYI for an OSCAR 13 user in the mid 90's.

Merry Christmas

Frank
NG1I
"Never Give 1 Inch"
Semper Fi

7375. Correction

Yahoo group: ham-antennas (2008)
Date: 2008-12-22 21:57:24 UTC
From: Frank MacKenzie-Lamb
Topic: 7375 Message: 7375

....I can't type for the love of mic (sorry I had too)

I meant to say some lithium grease does NOT freeze.....everything
amazing OK except for spelling!!!! (:

Frank NG1I
Semper Fi

7376. ISOTRON 60M ANTENNA?????

Yahoo group: ham-antennas (2008)
Date: 2008-12-22 22:24:44 UTC
From: David S. McCallum
Topic: 7376 Message: 7376

David S. McCallum, W7SAC/4, A. F. Retired.

Fort Walton Beach, Fla.

well lets see if I can send it from this email address, Mac,David

David S. McCallum, W7SAC/4, A. F. Retired.

Fort Walton Beach, Fla.
Has any one in the group tried this antenna yet or have any comments on it?, Thanks Mac

David S. McCallum, W7SAC/4, A. F. Retired.

Fort Walton Beach, Fla.

[Non-text portions of this message have been removed]

7377. Rohn HBX Tower

Yahoo group: ham-antennas (2008)
Date: 2008-12-22 23:43:56 UTC
From: Pat Turner
Topic: 7377 Message: 7377

i have an opportunity to get a Rohn HBX 48' self supporting tower. i realize this tower has been discontinued by Rohn. this tower is in really good shape, and is down on the ground in 8' pieces.
can you offer your thoughts, ideas, your experience, or other info about this tower.
thanks
Pat, K3PB

[Non-text portions of this message have been removed]

7378. Re: [ham-antennas] Rohn HBX Tower

Yahoo group: ham-antennas (2008)
Date: 2008-12-22 23:58:29 UTC
From: Chuck Schultz
Topic: 7377 Message: 7378

It would help if you reveal your intentions. The tower is a good performer for strength and durability. I would not recommend it to anyone who likes to go up and work very often as it is a foot killer when climbing. It will support a mid -sized array without a hitch just be sure to add a standoff with a pulley and rope for wire antennas to keep you from having to go up/down often. Chuck Wq5B
----- Original Message -----
From: Pat Turner
To: ham-antennas@yahoogroups.com
Sent: Monday, December 22, 2008 5:43 PM
Subject: [ham-antennas] Rohn HBX Tower

i have an opportunity to get a Rohn HBX 48' self supporting tower. i realize this tower has been discontinued by Rohn. this tower is in really good shape, and is down on the ground in 8' pieces.
can you offer your thoughts, ideas, your experience, or other info about this tower.
thanks
Pat, K3PB

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

7379. RE: [ham-antennas] Rohn HBX Tower

Yahoo group: ham-antennas (2008)
Date: 2008-12-23 01:11:59 UTC
From: James M.(Jim) Geidl
Topic: 7377 Message: 7379

Pat,

Yeah, I'll give you a thought...bring it to my house!

Jim, K6JMG
www.spinochio.com

//

> [mailto:ham-antennas@yahoogroups.com] On Behalf Of Pat Turner
> Sent: Monday, December 22, 2008 3:44 PM
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] Rohn HBX Tower
>
> i have an opportunity to get a Rohn HBX 48' self supporting
> tower. i realize this tower has been discontinued by Rohn.
> this tower is in really good shape, and is down on the ground
> in 8' pieces.
> can you offer your thoughts, ideas, your experience, or other
> info about this tower.
> thanks
> Pat, K3PB

7380. MFJ, what a pain in the ____!!!!

Yahoo group: ham-antennas (2008)
Date: 2008-12-23 02:41:25 UTC
From: greathounder
Topic: 7380 Message: 7380

A couple weeks ago I ordered that 43 ft antenna and a cable for my tuner and radio. The guy that took my order told me 2 things. 1 That I'd get a email when my order was shipped. 2 That my credit card wouldn't be charged till the order was being shipped. Well, I didn't get any email, that can happen, but I noticed that my card had been charged on the 17th. So Friday and today I waited for the UPS truck, and watched as it just kept going. So I called MFJ. The person I talked to, at first couldn't find my order. Then she found it and couldn't find the tracking number. But she did give me my order number.
After being on hold for about 15 minutes, she asks if she can call me back, cuz she has some checking to do. Later she calls me back to tell me it was just a big mistake, they thought they had my antenna, but they really didn't have it. It would probably be another week or two. When I asked about the cable, she said she never checked on that. What a way to run a company!!!
Oh, and later I went to their site, entered the order number that she had given me, it came up " no order found." Now if they sent me the order, and didn't charge me, that would be fantastic...Bill N8VWI

7381. Re: [ham-antennas] MFJ, what a pain in the ____!!!!

Yahoo group: ham-antennas (2008)
Date: 2008-12-23 02:48:25 UTC
From: Joe
Topic: 7380 Message: 7381

He he he,

yeah it all goes in swings,

I remember when I first got my ticket (1975) MFJ was either brand new
or not very old, and had all these little el-cheapo kits like they
bought 99% of the parts from Allkied Radio or something.

And it was a Big MFJ "Mighty Fine Junk"

I Myself never have had a problem with anything of theirs. The folk I
really hate for almost every order I have ever made has been taken and
charged immediately because when asked to make sure they have at least
one in stock, before charging,, oh yes we have it and it will go out
today this afternoon.

Only not to show up for weeks,,

AES In Milwaukee.

I at the time was less than a hour away..

greathounder wrote:

>A couple weeks ago I ordered that 43 ft antenna and a cable for my
>tuner and radio. The guy that took my order told me 2 things. 1 That
>I'd get a email when my order was shipped. 2 That my credit card
>wouldn't be charged till the order was being shipped. Well, I didn't
>get any email, that can happen, but I noticed that my card had been
>charged on the 17th. So Friday and today I waited for the UPS truck,
>and watched as it just kept going. So I called MFJ. The person I talked
>to, at first couldn't find my order. Then she found it and couldn't
>find the tracking number. But she did give me my order number.
>After being on hold for about 15 minutes, she asks if she can call me
>back, cuz she has some checking to do. Later she calls me back to tell
>me it was just a big mistake, they thought they had my antenna, but
>they really didn't have it. It would probably be another week or two.
>When I asked about the cable, she said she never checked on that. What
>a way to run a company!!!
>Oh, and later I went to their site, entered the order number that she
>had given me, it came up " no order found." Now if they sent me the
>order, and didn't charge me, that would be fantastic...Bill N8VWI
>
>
>----------
>
>HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 1446

members (as of 9/26/08, and attachments are NOT permitted.
>Post message: ham-antennas@yahoogroups.com
>Subscribe: ham-antennas-subscribe@yahoogroups.com
>Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
>List owner: ham-antennas-owner@yahoogroups.com
>Yahoo! Groups Links
>
>
>
>
>
>
>

7382. New file uploaded to ham-antennas

Yahoo group: ham-antennas (2008)
Date: 2008-12-23 03:43:52 UTC
From: ham-antennas@yahoogroups.com
Topic: 389 Message: 7382

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the ham-antennas
group.

File : /DX-MBVE-1P_32.EZ
Uploaded by : ww8o1968 <ww8o@...>
Description : DX -MBVE-1P 32 radial

You can access this file at the URL:
http://groups.yahoo.com/group/ham-antennas/files/DX-MBVE-1P_32.EZ

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/members/web/index.htmlfiles

Regards,

ww8o1968 <ww8o@...>

7383. Re: [ham-antennas] Rohn HBX Tower

Yahoo group: ham-antennas (2008)
Date: 2008-12-23 04:20:54 UTC
From: Pat Turner
Topic: 7377 Message: 7383

thanks chuck. yes, i knew about the x brace when climbing. i have climbed towers since i was about 16 (i did lights in local AM and FM radio towers).. i have a old pair of boots that have a steel arch in them i use for climbing, and also have a custom made harness (from a previous employer).
just wondering if this tower could be made to tilt down. I have physical room to do this. i have a machine shop, and i am a structural, and can design and fabricate the hinges (pivots). any thoughts?
i also saw one BX tower that was mounted on insulators, i guess to be able to use the tower as a driven element. any thoughts.
it was just accidental that the tower is just two miles from where i am going later in the week (vacation), 300 miles away from me, so i am just taking a pickup truck.
i have an Alpha Delta DX-LB+ up at 18 feet now, in a flat dipole, so i will use the tower to
move the dipole up and make an inverted V.
Also looking at beams, not giant, as there seems to be some concern on other user sites that a large beam causes some tortional twisting of the BX type tower.
Not much info on the HBX, i have found the Shelby Company that supports the BX towers.
looks like i need a large chunk of concrete for the base, but i will do the structural calculations to see exactly what i need.
thanks all
Pat, K3PB
--- On Mon, 12/22/08, Chuck Schultz <wq5b@...> wrote:

From: Chuck Schultz <wq5b@valornet.com>
Subject: Re: [ham-antennas] Rohn HBX Tower
To: ham-antennas@yahoogroups.com
Date: Monday, December 22, 2008, 11:58 PM

It would help if you reveal your intentions. The tower is a good performer for strength and durability. I would not recommend it to anyone who likes to go up and work very often as it is a foot killer when climbing. It will support a mid -sized array without a hitch just be sure to add a standoff with a pulley and rope for wire antennas to keep you from having to go up/down often.
Chuck Wq5B
----- Original Message -----
From: Pat Turner
To: ham-antennas@yahoogroups.com
Sent: Monday, December 22, 2008 5:43 PM
Subject: [ham-antennas] Rohn HBX Tower

i have an opportunity to get a Rohn HBX 48' self supporting tower. i realize this tower has been discontinued by Rohn. this tower is in really good shape, and is down on the ground in 8' pieces.
can you offer your thoughts, ideas, your experience, or other info about this tower.
thanks

Pat, K3PB

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to
ALL 1446 members (as of 9/26/08, and attachments are NOT permitted.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

[Non-text portions of this message have been removed]

7384. Re: [ham-antennas] New file uploaded to ham-antennas

Yahoo group: ham-antennas (2008)
Date: 2008-12-23 05:09:20 UTC
From: greathounder@aol.com
Topic: 394 Message: 7384

Just wondering, what program do you use to open this file? Thanks...Bill
N8VWI

In a message dated 12/22/2008 10:44:17 P.M. Eastern Standard Time,
ham-antennas@yahoogroups.com writes:

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the ham-antennas
group.

File : /DX-MBVE-1P_File :
Uploaded by : ww8o1968 <_ww8o@...8_ (mailto:ww8o@...) >
Description : DX -MBVE-1P 32 radial

You can access this file at the URL:
http://groups.http://grohttp://grohttp://grhttp://grhttp://grouht
(http://groups.yahoo.com/group/ham-antennas/files/DX-MBVE-1P_32.EZ)

To learn more about file sharing for your group, please visit:
http://help.http://helhttp://helphttp://help.<WBRhttp://help.http://help.<WB

(http://help.yahoo.com/l/us/yahoo/groups/original/members/web/index.htmlfiles)

Regards,

ww8o1968 <_ww8o@...8_ (mailto:ww8o@...) >

**********One site keeps you connected to all your email: AOL Mail,
Gmail, and Yahoo Mail. Try it now.
(http://www.aol.com/?optin=new-dp&icid=aolcom40vanity&ncid=emlcntaolcom00000025)

[Non-text portions of this message have been removed]

7385. Re: [ham-antennas] New file uploaded to ham-antennas

Yahoo group: ham-antennas (2008)
Date: 2008-12-23 11:50:00 UTC
From: Siegfried Jackstien
Topic: 394 Message: 7385

cause it is a ...ez file it is easynec or something like
----- Original Message -----
From: greathounder@...
To: ham-antennas@yahoogroups.com
Sent: Tuesday, December 23, 2008 6:09 AM
Subject: Re: [ham-antennas] New file uploaded to ham-antennas

Just wondering, what program do you use to open this file? Thanks...Bill
N8VWI

In a message dated 12/22/2008 10:44:17 P.M. Eastern Standard Time,
ham-antennas@yahoogroups.com writes:

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the ham-antennas
group.

File : /DX-MBVE-1P_File :
Uploaded by : ww8o1968 <_ww8o@...8_ (mailto:ww8o@...) >
Description : DX -MBVE-1P 32 radial

You can access this file at the URL:
http://groups.http://grohttp://grohttp://grhttp://grhttp://grouht
(http://groups.yahoo.com/group/ham-antennas/files/DX-MBVE-1P_32.EZ)

To learn more about file sharing for your group, please visit:
http://help.http://helhttp://helphttp://help.<WBRhttp://help.http://help.<WB

(http://help.yahoo.com/l/us/yahoo/groups/original/members/web/index.htmlfiles)

Regards,

ww8o1968 <_ww8o@...8_ (mailto:ww8o@...) >

**********One site keeps you connected to all your email: AOL Mail,
Gmail, and Yahoo Mail. Try it now.
(http://www.aol.com/?optin=new-dp&icid=aolcom40vanity&ncid=emlcntaolcom00000025)

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

7386. Re: [ham-antennas] New file uploaded to ham-antennas

Yahoo group: ham-antennas (2008)
Date: 2008-12-23 12:40:30 UTC
From: David S. McCallum
Topic: 394 Message: 7386

I couldn't open it either, Mac

----- Original Message -----
From: greathounder@...
To: ham-antennas@yahoogroups.com
Sent: Monday, December 22, 2008 11:09 PM
Subject: Re: [ham-antennas] New file uploaded to ham-antennas

Just wondering, what program do you use to open this file? Thanks...Bill
N8VWI

In a message dated 12/22/2008 10:44:17 P.M. Eastern Standard Time,
ham-antennas@yahoogroups.com writes:

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the ham-antennas
group.

File : /DX-MBVE-1P_File :
Uploaded by : ww8o1968 <_ww8o@...8_ (mailto:ww8o@...) >
Description : DX -MBVE-1P 32 radial

You can access this file at the URL:
http://groups.http://grohttp://grohttp://grhttp://grhttp://grouht
(http://groups.yahoo.com/group/ham-antennas/files/DX-MBVE-1P_32.EZ)

To learn more about file sharing for your group, please visit:
http://help.http://helhttp://helphttp://help.<WBRhttp://help.http://help.<WB

(http://help.yahoo.com/l/us/yahoo/groups/original/members/web/index.htmlfiles)

Regards,

ww8o1968 <_ww8o@...8_ (mailto:ww8o@...) >

**********One site keeps you connected to all your email: AOL Mail,
Gmail, and Yahoo Mail. Try it now.
(http://www.aol.com/?optin=new-dp&icid=aolcom40vanity&ncid=emlcntaolcom00000025)

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

7387. Re: [ham-antennas] New file uploaded to ham-antennas

Yahoo group: ham-antennas (2008)
Date: 2008-12-23 12:42:18 UTC
From: David S. McCallum
Topic: 394 Message: 7387

did you get it opened?, guess i'll have to see what ez file is, Mac

----- Original Message -----
From: Siegfried Jackstien
To: ham-antennas@yahoogroups.com
Sent: Tuesday, December 23, 2008 5:50 AM
Subject: Re: [ham-antennas] New file uploaded to ham-antennas

cause it is a ...ez file it is easynec or something like
----- Original Message -----
From: greathounder@...
To: ham-antennas@yahoogroups.com
Sent: Tuesday, December 23, 2008 6:09 AM
Subject: Re: [ham-antennas] New file uploaded to ham-antennas

Just wondering, what program do you use to open this file? Thanks...Bill
N8VWI

In a message dated 12/22/2008 10:44:17 P.M. Eastern Standard Time,
ham-antennas@yahoogroups.com writes:

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the ham-antennas
group.

File : /DX-MBVE-1P_File :
Uploaded by : ww8o1968 <_ww8o@...8_ (mailto:ww8o@...) >
Description : DX -MBVE-1P 32 radial

You can access this file at the URL:
http://groups.http://grohttp://grohttp://grhttp://grhttp://grouht
(http://groups.yahoo.com/group/ham-antennas/files/DX-MBVE-1P_32.EZ)

To learn more about file sharing for your group, please visit:
http://help.http://helhttp://helphttp://help.<WBRhttp://help.http://help.<WB

(http://help.yahoo.com/l/us/yahoo/groups/original/members/web/index.htmlfiles)

Regards,

ww8o1968 <_ww8o@...8_ (mailto:ww8o@...) >

**********One site keeps you connected to all your email: AOL Mail,
Gmail, and Yahoo Mail. Try it now.
(http://www.aol.com/?optin=new-dp&icid=aolcom40vanity&ncid=emlcntaolcom00000025)

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

7388. Re: [ham-antennas] New file uploaded to ham-antennas

Yahoo group: ham-antennas (2008)
Date: 2008-12-23 12:47:31 UTC
From: Kevin Morgan
Topic: 389 Message: 7388

ham-antennas@yahoogroups.com wrote:
> Hello,
>
> This email message is a notification to let you know that
> a file has been uploaded to the Files area of the ham-antennas
> group.
>
> File : /DX-MBVE-1P_32.EZ
> Uploaded by : ww8o1968 <ww8o@...>
> Description : DX -MBVE-1P 32 radial
>
It's an EZNEC file. There's a free demo version of this program
included with the ARRL Antenna Book on the CD. You can get information
on this program and his for sale ones here:
http://www.eznec.com/eznec_arrl.htm

If you do try to run this file you'll have to raise it at least a half
inch above ground. EZNEC doesn't allow wires in contact with, or below,
ground, except for a vertical without radials.

73, Kevin

--
Kevin J. Morgan AB2ZI <kmorgan6@...>

My Webshots Photos http://community.webshots.com/user/kmorgan631

7389. Re: [ham-antennas] New file uploaded to ham-antennas

Yahoo group: ham-antennas (2008)
Date: 2008-12-23 16:07:06 UTC
From: Andy
Topic: 394 Message: 7389

> It's an EZNEC file. There's a free demo version of this program
> included with the ARRL Antenna Book on the CD. You can get information
> on this program and his for sale ones here:
> http://www.eznec.com/eznec_arrl.htm

There is also a free demo version of EZNEC at one of the links at http://www.eznec.com . However, it isn't the same as the ARRL's special version that comes with the Antenna Book. Don't know if it matters in this case.

Andy

7390. REMOTELY TUNED....ELEVATED....VERTICAL ANTENNA.....Another doodling?

Yahoo group: ham-antennas (2008)
Date: 2008-12-23 23:30:26 UTC
From: Tom Gleeman
Topic: 7390 Message: 7390

Hello Group,

See my latest doodling at:

http://groups.yahoo.com/group/ham-antennas/photos/album/402385040/pic/759159471/view?picmode=large&mode=tn&order=ordinal&start=1&dir=asc

Cheers.

Tom
KE6YNH, 73
San Diego, CA

[Non-text portions of this message have been removed]

7391. Re: REMOTELY TUNED....ELEVATED....VERTICAL ANTENNA.....Another doodling?

Yahoo group: ham-antennas (2008)
Date: 2008-12-24 00:07:43 UTC
From: ke4vyn
Topic: 7390 Message: 7391

Pfff...

Now here is something to drool over!

http://harvesting.com/tower/index.htm

Lee
KE4VYN
www.3905ccn.com

--- In ham-antennas@yahoogroups.com, "Tom Gleeman" <tgleeman@...> wrote:
>
> Hello Group,
>
> See my latest doodling at:
>
> http://groups.yahoo.com/group/ham-antennas/photos/album/402385040/pic/759159471/view?picmode=large&mode=tn&order=ordinal&start=1&dir=asc
>
> Cheers.
>
> Tom
> KE6YNH, 73
> San Diego, CA
>
> [Non-text portions of this message have been removed]
>

7392. Re: [ham-antennas] carolina windom antenna

Yahoo group: ham-antennas (2008)
Date: 2008-12-24 04:08:52 UTC
From: W8OKN Sean
Topic: 7242 Message: 7392

They are good, not great. I have used a couple. Have both vertical and horizontal polarization.

W8OKN

----- Original Message -----
From: ke7uyc
To: ham-antennas@yahoogroups.com
Sent: Sunday, December 14, 2008 11:07 PM
Subject: [ham-antennas] carolina windom antenna

Im looking at there antennas has anyone used one are they great antennas
or are the mosty hype

No virus found in this incoming message.
Checked by AVG - http://www.avg.com
Version: 8.0.176 / Virus Database: 270.10.0/1862 - Release Date: 12/23/2008 12:08 PM

[Non-text portions of this message have been removed]

7393. Re: [ham-antennas] carolina windom antenna

Yahoo group: ham-antennas (2008)
Date: 2008-12-24 14:51:34 UTC
From: wa7dxz@aol.com
Topic: 7242 Message: 7393

I had an 80 meter Carolina Windom, best wire antenna I ever had, but pricey.

Bob wa7dxz
dm33 AZ
**********One site keeps you connected to all your email: AOL Mail,
Gmail, and Yahoo Mail. Try it now.
(http://www.aol.com/?optin=new-dp&icid=aolcom40vanity&ncid=emlcntaolcom00000025)

[Non-text portions of this message have been removed]

7394. Holiday whishes

Yahoo group: ham-antennas (2008)
Date: 2008-12-24 16:59:14 UTC
From: PA2JJB Jan
Topic: 7394 Message: 7394

For my Chrismas and New Year wishes look at:

http://pa2jjb.texel.com/

Please sign my guestbook !!!

Lots of luck and succes with our hobby in New Year 2009

73's de Jan PA2JJB

Texel-Island IOTA EU-038

7395. Skip finds (new cables)

Yahoo group: ham-antennas (2008)
Date: 2008-12-24 17:29:35 UTC
From: Martin Hazel
Topic: 7395 Message: 7395

I managed to find a roll of four core cable in a skip its labelled as 75 ohm it seems to have decent shielding as well. What I was wondering and hoping you nice intelligent people could share with me is this. If I used this to run 4 antenna's and use a common ground would. Now I have a nagging feeling that this would be opening a whole can of worms. All of the cores are individually isolated, but its the shielding that is making me nervous.

What I was thinking about doing was using 1 cable to the entire mast rather than four, any thoughts

Martin

7396. [ham-antennas]

Yahoo group: ham-antennas (2008)
Date: 2008-12-24 19:12:43 UTC
From: Pablo - PU2PJA
Topic: 7395 Message: 7396

Merry Christmas a Happy New Year to all of the group

Pablo Alessandro ☐ PU2PJA

Botucatu/SP

Brazil

GG57SD

Nenhum vírus encontrado nessa mensagem recebida.
Verificado por AVG - http://www.avgbrasil.com.br
Versão: 8.0.176 / Banco de dados de vírus: 270.10.0/1862 - Data de Lançamento: 23/12/2008 12:08

[Non-text portions of this message have been removed]

7397. Spiral loop.....better noise nulling than a circular loop, but with less gain

Yahoo group: ham-antennas (2008)
Date: 2008-12-25 00:46:59 UTC
From: Tom Gleeman
Topic: 7397 Message: 7397

Hi Group,

Here's a spiral doodle:
http://groups.yahoo.com/group/ham-antennas/photos/album/402385040/pic/1704563818/view?picmode=large&mode=tn&order=ordinal&start=1&dir=asc

Cheers.

Tom
KE6YNH,73
San Diego, CA

[Non-text portions of this message have been removed]

7398. Re: [ham-antennas] Spiral loop.....better noise nulling than a circular loop, but with less gain

Yahoo group: ham-antennas (2008)
Date: 2008-12-25 01:15:29 UTC
From: Chuck Schultz
Topic: 7397 Message: 7398

Tom , I this just a doodle or does such an antenna exist. It looks very intresting . How about a 3-D doodle with diminsions and capacities ? Chuck Wq5B
----- Original Message -----
From: Tom Gleeman
To: ham-antennas@yahoogroups.com
Sent: Wednesday, December 24, 2008 6:46 PM
Subject: [ham-antennas] Spiral loop.....better noise nulling than a circular loop, but with less gain

Hi Group,

Here's a spiral doodle:
http://groups.yahoo.com/group/ham-antennas/photos/album/402385040/pic/1704563818/view?picmode=large&mode=tn&order=ordinal&start=1&dir=asc

Cheers.

Tom
KE6YNH,73
San Diego, CA

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

7399. Re: [ham-antennas] Spiral loop.....better noise nulling than a circular loop, but with less gain

Yahoo group: ham-antennas (2008)
Date: 2008-12-25 02:15:29 UTC
From: Tom Gleeman
Topic: 7397 Message: 7399

Hi Chuck, WQ5B and the Group,

I used to see a spiral loop antenna on the inside back
of almost every American 5 tube radio. Now that radios
are smaller and solid state, spiral loop antennas are rare.

A 3-D loop doodle is beyond my doodling capabilities,
but considering that I graduated from doodling with a pen
and paper to Windows Paint, I think I've made some progress.

To all those aspiring doodlers out there, my advice is to put your
line drawing of few colors in gif file format rather than jpeg file
format for better clarity.

Happy holidays.

Tom
KE6YNH, 73
San Diego, CA

----- Original Message -----
From: Chuck Schultz
To: ham-antennas@yahoogroups.com
Sent: Wednesday, December 24, 2008 5:15 PM
Subject: Re: [ham-antennas] Spiral loop.....better noise nulling than a circular loop, but with less gain

Tom , I this just a doodle or does such an antenna exist. It looks very intresting . How about a 3-D doodle with diminsions and capacities ? Chuck Wq5B
----- Original Message -----
From: Tom Gleeman
To: ham-antennas@yahoogroups.com
Sent: Wednesday, December 24, 2008 6:46 PM
Subject: [ham-antennas] Spiral loop.....better noise nulling than a circular loop, but with less gain

Hi Group,

Here's a spiral doodle:
http://groups.yahoo.com/group/ham-antennas/photos/album/402385040/pic/1704563818/view?picmode=large&mode=tn&order=ordinal&start=1&dir=asc

Cheers.

Tom
KE6YNH,73

San Diego, CA

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

7400. Re: [ham-antennas] MFJ, what a pain in the ____!!!!

Yahoo group: ham-antennas (2008)
Date: 2008-12-25 02:29:49 UTC
From: Charles Hendrick
Topic: 7380 Message: 7400

This raises a BIG RED flag in my mind
Chuck n3xib

--- On Mon, 12/22/08, greathounder <greathounder@...> wrote:

From: greathounder <greathounder@aol.com>
Subject: [ham-antennas] MFJ, what a pain in the ____!!!!
To: ham-antennas@yahoogroups.com
Date: Monday, December 22, 2008, 9:41 PM

A couple weeks ago I ordered that 43 ft antenna and a cable for my tuner and radio. The guy that took my order told me 2 things. 1 That I'd get a email when my order was shipped. 2 That my credit card wouldn't be charged till the order was being shipped. Well, I didn't get any email, that can happen, but I noticed that my card had been charged on the 17th. So Friday and today I waited for the UPS truck, and watched as it just kept going. So I called MFJ. The person I talked to, at first couldn't find my order. Then she found it and couldn't find the tracking number. But she did give me my order number.
After being on hold for about 15 minutes, she asks if she can call me back, cuz she has some checking to do. Later she calls me back to tell me it was just a big mistake, they thought they had my antenna, but they really didn't have it. It would probably be another week or two. When I asked about the cable, she said she never checked on that. What a way to run a company!!!
Oh, and later I went to their site, entered the order number that she had given me, it came up " no order found." Now if they sent me the order, and didn't charge me, that would be fantastic... Bill N8VWI

[Non-text portions of this message have been removed]

7401. Re: [ham-antennas] MFJ, what a pain in the ____!!!!

Yahoo group: ham-antennas (2008)
Date: 2008-12-25 04:32:47 UTC
From: Justin - G0KSC
Topic: 7380 Message: 7401

Another reason to build your own!
----- Original Message -----
From: Charles Hendrick
To: ham-antennas@yahoogroups.com
Sent: Thursday, December 25, 2008 2:29 AM
Subject: Re: [ham-antennas] MFJ, what a pain in the ____!!!!

This raises a BIG RED flag in my mind
Chuck n3xib

--- On Mon, 12/22/08, greathounder <greathounder@...> wrote:

From: greathounder <greathounder@...>
Subject: [ham-antennas] MFJ, what a pain in the ____!!!!
To: ham-antennas@yahoogroups.com
Date: Monday, December 22, 2008, 9:41 PM

A couple weeks ago I ordered that 43 ft antenna and a cable for my
tuner and radio. The guy that took my order told me 2 things. 1 That
I'd get a email when my order was shipped. 2 That my credit card
wouldn't be charged till the order was being shipped. Well, I didn't
get any email, that can happen, but I noticed that my card had been
charged on the 17th. So Friday and today I waited for the UPS truck,
and watched as it just kept going. So I called MFJ. The person I talked
to, at first couldn't find my order. Then she found it and couldn't
find the tracking number. But she did give me my order number.
After being on hold for about 15 minutes, she asks if she can call me
back, cuz she has some checking to do. Later she calls me back to tell
me it was just a big mistake, they thought they had my antenna, but
they really didn't have it. It would probably be another week or two.
When I asked about the cable, she said she never checked on that. What
a way to run a company!!!
Oh, and later I went to their site, entered the order number that she
had given me, it came up " no order found." Now if they sent me the
order, and didn't charge me, that would be fantastic... Bill N8VWI

[Non-text portions of this message have been removed]

No virus found in this outgoing message.
Checked by AVG - http://www.avg.com
Version: 8.0.176 / Virus Database: 270.10.0/1863 - Release Date: 24/12/2008 11:49

[Non-text portions of this message have been removed]

7402. HMY2K8 - A multiband HF transceiver (Homebrew):

Yahoo group: ham-antennas (2008)
Date: 2008-12-25 08:04:29 UTC
From: SATHEESH MENON
Topic: 7402 Message: 7402

**** MERRY CHIRSTMAS ***
?
?HMY2K8 - A multiband HF transceiver (Homebrew):
?
for more information visit :
http://vu2sgw.blogspot.com/2008/11/hmy2k8-multiband-hf-transceiver.html
?
?
TECHNICAL SPECIFICATIONS :
Frequency coverage: Ham Bands
3.500 - 3.600 M.Hz (80 M)
7.000 - 7.100M.Hz (40 M)
14.000 ? 14.350 M.Hz (20 M)
21.000 - 21.350 M.Hz (15 M)
28.000 ? 28.350 M.Hz (10 M)

Receiver :
Single conversion receiver with 10.000 M.Hz Cohn filter.
Low noise figure, 2.2 K.Hz SSB band width, 1.5 W audio O/P.

Transmitter :
RF O/P - SSB - 90 W (DC PWR I/P)
CW - 60 W (DC PWR I/P)
Built in CW side tone, CW delay, pwr meter, MOS FET Push Pull PA.

Dimensions :8.5 X 7 X 4.5 inches
?
?
Happy Homebrewing / Happy HAMing
?
73
VU2WSM
(Satheesh)

?

[Non-text portions of this message have been removed]

7403. Re: [ham-antennas] Keeping rotor unfrozen

Yahoo group: ham-antennas (2008)
Date: 2008-12-25 16:37:35 UTC
From: Peter Carr
Topic: 7374 Message: 7403

Hi Frank abd thanks for the info. Your comment about removing rust was very interesting. I have already wrapped the rotor in plastic but that didn't help. A direct replacement is on order so I'll grease it well before installation. Thanks again & Merry Christmas & best 73, Pete WW3O

--- On Mon, 12/22/08, Frank MacKenzie-Lamb <maclamb@...> wrote:

From: Frank MacKenzie-Lamb <maclamb@...>
Subject: [ham-antennas] Keeping rotor unfrozen
To: ham-antennas@yahoogroups.com
Date: Monday, December 22, 2008, 4:54 PM

Also, I belive theier is a lithiumj grease that does freeze....check you local auto garage because they too carry grease that doesn't freeze. Putting a warm wrapper around a rotor IMHO really is unnessary unless that the only option open to you.

It is easier to open up the rotor and grease every moving part but remove all rust and make sure you don't have any gear teeth missing as it will throw your direction off.

Just my 2 cents and FYI for an OSCAR 13 user in the mid 90's.

Merry Christmas

Frank
NG1I
"Never Give 1 Inch"
Semper Fi

[Non-text portions of this message have been removed]

7404. Re: [ham-antennas] Correction

Yahoo group: ham-antennas (2008)
Date: 2008-12-25 16:44:13 UTC
From: Peter Carr
Topic: 7375 Message: 7404

Okay Frank. I served last year in Afghanistan with a bunch of Marines. One was a 9-year vet, a lady who was excellent with a 50 cal as used atop a HumVee. I did EOD and she was our protection outside the wire. She was also a whiz at laptop repair. She didn't say much. The first alarm we would get was the 50 cal going off! I was 66 at the time and that sure shortened my life span a bunch!
Later,
Pete Carr

--- On Mon, 12/22/08, Frank MacKenzie-Lamb <maclamb@...> wrote:

From: Frank MacKenzie-Lamb <maclamb@charter.net>
Subject: [ham-antennas] Correction
To: ham-antennas@yahoogroups.com
Date: Monday, December 22, 2008, 4:57 PM

....I can't type for the love of mic (sorry I had too)

I meant to say some lithium grease does NOT freeze.....everythi ng
amazing OK except for spelling!!!! (:

Frank NG1I
Semper Fi

[Non-text portions of this message have been removed]

7405. Re: MFJ, what a pain in the ____!!!!

Yahoo group: ham-antennas (2008)
Date: 2008-12-25 22:15:48 UTC
From: james27613
Topic: 7380 Message: 7405

hi,

avoid ordering direct from MFJ,
they just do not know how to run that
part of their business.

Order from one of the larger distributors
that has it in stock for same day shipment.

//www.wb0w.com/index.html

//www.aesham.com

73 james ke4drn

7406. Re: [ham-antennas] Re: MFJ, what a pain in the ____!!!!

Yahoo group: ham-antennas (2008)
Date: 2008-12-25 22:49:01 UTC
From: DVC3565@aol.com
Topic: 7380 Message: 7406

I too had some problems with ordering direct from MFJ. Back in April of 2008
I ordered and received a 5-element 2 Meter beam that had the holes for the
driven element drilled 17 degrees off center from the other elements. I
assembled & took pictures of it, and E-mailed them to Customer Service. I actually
received a new main boom, (drilled correctly), before I got the E-mail
telling me it was on the way. Then the day after I got it, they CALLED to confirm
that I got it and was satisfied with the replacement.
This was not my first item bought from MFJ, in fact it was like my 6th item.
However it was the first problem I ever had with them. I for one am very
SATISFIED with how they treated me. I am an ICOM ham, and have had problems with
some of their gear too. No manufacture is 100%. Some "things" slip by, as
they do with car makers too. It's all in how they take care of their problems.
MFJ is not the "Top Shelf" of ham gear, but I have found it to be reliable
AND cost effective for what it does. Not all hams have a six figure income and
40 acres to put up towers & monobanders.
Just my 25 cents worth and support for a company I am GLAD is still around
AND in business.
73,
Dave-KJ4PF

In a message dated 12/25/2008 5:16:06 P.M. Eastern Standard Time,
james27613@... writes:

hi,

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//www.wb0w.com///www.wb0w

//www.aesham.//w

73 james ke4drn

**********One site keeps you connected to all your email: AOL Mail,
Gmail, and Yahoo Mail. Try it now.
(http://www.aol.com/?optin=new-dp&icid=aolcom40vanity&ncid=emlcntaolcom00000025)

[Non-text portions of this message have been removed]

7407. Re: MFJ, what a pain in the ____!!!!

Yahoo group: ham-antennas (2008)
Date: 2008-12-25 23:13:03 UTC
From: ke4vyn
Topic: 7380 Message: 7407

Can NOT agree with that. I have ordered from LOTS of retail, direct and drop and NO ONE is immune from slip ups.
That being said; MFJ customer service is WORLD CLASS!! They SPEAK and UNDERSTAND English and truly seem to care about you and your order.

I have been a HAM for right at 20 years and will say that I have and will continue to be a fan of that company.

What you probably do not understand is that the company uses and has an internship program to teach young kids the ways of business. Something that I truly believe is commendable.

Just my opinion, but I like to give respect where respect is due. Have shook the OWNERS hand at many Hamfests, also.

Lee
KE4VYN

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> avoid ordering direct from MFJ,
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> that has it in stock for same day shipment.
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> 73 james ke4drn

7408. Re: [ham-antennas] Re: MFJ, what a pain in the ____!!!!

Yahoo group: ham-antennas (2008)
Date: 2008-12-25 23:24:18 UTC
From: Alan Luce
Topic: 7380 Message: 7408

I have never had any problems with MFJ or their products. Good folks in my book.
Alan

--- On Thu, 12/25/08, ke4vyn <ke4vyn@...> wrote:

From: ke4vyn <ke4vyn@...>
Subject: [ham-antennas] Re: MFJ, what a pain in the ____!!!!
To: ham-antennas@yahoogroups.com
Date: Thursday, December 25, 2008, 5:13 PM

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> //www.aesham. //w
>
> 73 james ke4drn

[Non-text portions of this message have been removed]

7409. Re: [ham-antennas] Re: MFJ, what a pain in the ____!!!!

Yahoo group: ham-antennas (2008)
Date: 2008-12-25 23:41:09 UTC
From: jeff beck
Topic: 7380 Message: 7409

I have one of their tuners. It refused to work for a while until I opened it and fixed a solder joint. Really shoddy work. I get the impression this is not an isolated incident.

Would still like the antenna meter but don't have the disposable $$.

7410. Re: [ham-antennas] Re: MFJ, what a pain in the ____!!!!

Yahoo group: ham-antennas (2008)
Date: 2008-12-25 23:46:12 UTC
From: John Lewis
Topic: 7380 Message: 7410

Same here - been ordering from them for about 20 years - their 'early' days were somewhat rough, but they've come a long way in product development, standing behind their products, and their customer service.

Just recently ordered something that didn't work out for my QTH, sent it back and got a refund in about 4 days - no questions asked,and no hassles. Sorry I can't say that about some other ham equipment dealers...

John
WA6SPA

----- Original Message -----
From: Alan Luce <luceinspector@...>
To: ham-antennas@yahoogroups.com
Date: Thu, 25 Dec 2008 15:24:18 -0800 (PST)
Subject: Re: [ham-antennas] Re: MFJ, what a pain in the ____!!!!

> I have never had any problems with MFJ or their products. Good folks in my book.
> Alan
>
> --- On Thu, 12/25/08, ke4vyn <ke4vyn@...> wrote:
>
> From: ke4vyn <ke4vyn@...>
> Subject: [ham-antennas] Re: MFJ, what a pain in the ____!!!!
> To: ham-antennas@ yahoogroups. com
> Date: Thursday, December 25, 2008, 5:13 PM
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> [Non-text portions of this message have been removed]
>
>
>

7411. Re: [ham-antennas] Re: MFJ, what a pain in the ____!!!!

Yahoo group: ham-antennas (2008)
Date: 2008-12-26 00:52:11 UTC
From: Ruben Echevarria
Topic: 7380 Message: 7411

Been using MFJ products for many many years and never a problem.
The products work as advertised and am a very happy customer.
And believe me I have a bunch of their stuff.
 Ruben Echevarria KA2HHB
SKCC #2132 EPC#3390
10-10 International Club #33308
30Meter Digital Group #1148

_____
From: John Lewis <wa6spa@...>
To: ham-antennas@yahoogroups.com
Sent: Thursday, December 25, 2008 6:46:12 PM
Subject: Re: [ham-antennas] Re: MFJ, what a pain in the ____!!!!

Same here - been ordering from them for about 20 years - their 'early' days were somewhat rough, but they've come a long way in product development, standing behind their products, and their customer service.

Just recently ordered something that didn't work out for my QTH, sent it back and got a refund in about 4 days - no questions asked,and no hassles. Sorry I can't say that about some other ham equipment dealers...

John
WA6SPA

----- Original Message -----
From: Alan Luce <luceinspector@ yahoo.com>
To: ham-antennas@ yahoogroups. com
Date: Thu, 25 Dec 2008 15:24:18 -0800 (PST)
Subject: Re: [ham-antennas] Re: MFJ, what a pain in the ____!!!!

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> --- On Thu, 12/25/08, ke4vyn <ke4vyn@...> wrote:
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> From: ke4vyn <ke4vyn@...>
> Subject: [ham-antennas] Re: MFJ, what a pain in the ____!!!!
> To: ham-antennas@ yahoogroups. com
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> > 73 james ke4drn
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> [Non-text portions of this message have been removed]
>
>
>

[Non-text portions of this message have been removed]

7412. Re: [ham-antennas] Re: MFJ, what a pain in the ____!!!!

Yahoo group: ham-antennas (2008)
Date: 2008-12-26 01:34:33 UTC
From: greathounder@aol.com
Topic: 7380 Message: 7412

I'm glad you guys are fans of MFJ, but I'm very disapointed. The guy that took my order told me I'd have the antenna for Christmas. And I don't know about you guys, but I'm on a fixed income and I had to save a few months for this antenna and I'm not real happy of having my credit card billed for $391.95 with no product in sight. If I could have bought it from AES, like I did the tuner, I would have, but they and a few others didn't have them in stock or available. There was no offer made to return the money to my card till the order was ready to ship. I don't mind paying for what I get, but I really don't think it was very funny, what they pulled. This antenna and tuner combo was to be my A B C gift. Aniversary, Birthday and Christmas. And the lady that called me back acted as if it was funny that there was a mistake. You might call their customer service fantastic, every business does, but when there is a problem, that's when you find out how great their customer service is. Oh, I never said anything bad about their products, If I didn't think the product was any good, I certainly wouldn't have spent $1,100 for the antenna and tuner.....;Bill...N8VWI

In a message dated 12/25/2008 7:52:41 PM Eastern Standard Time, ka2hhb_2000@... writes:

Been using MFJ products for many many years and never a problem.
The products work as advertised and am a very happy customer.
And believe me I have a bunch of their stuff.
Ruben Echevarria KA2HHB
SKCC #2132 EPC#3390
10-10 International Club #33308
30Meter Digital Group #1148

From: John Lewis <_wa6spa@...6_ (mailto:wa6spa@...) >
To: _ham-antennas@ham-antennasham_ (mailto:ham-antennas@yahoogroups.com)
Sent: Thursday, December 25, 2008 6:46:12 PM
Subject: Re: [ham-antennas] Re: MFJ, what a pain in the ____!!!!

Same here - been ordering from them for about 20 years - their 'early' days were somewhat rough, but they've come a long way in product development, standing behind their products, and their customer service.

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John
WA6SPA

----- Original Message -----
From: Alan Luce <luceinspector@ yahoo.com>

To: ham-antennas@ yahoogroups. com
Date: Thu, 25 Dec 2008 15:24:18 -0800 (PST)
Subject: Re: [ham-antennas] Re: MFJ, what a pain in the ____!!!!

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> Alan
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> --- On Thu, 12/25/08, ke4vyn <_ke4vyn@..._ (mailto:ke4vyn@...) >
wrote:
>
> From: ke4vyn <_ke4vyn@..._ (mailto:ke4vyn@...) >
> Subject: [ham-antennas] Re: MFJ, what a pain in the ____!!!!
> To: ham-antennas@ yahoogroups. com
> Date: Thursday, December 25, 2008, 5:13 PM
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> [Non-text portions of this message have been removed]

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[Non-text portions of this message have been removed]

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[Non-text portions of this message have been removed]

7413. Re: [ham-antennas] Re: MFJ, what a pain in the ____!!!!

Yahoo group: ham-antennas (2008)
Date: 2008-12-26 01:53:35 UTC
From: Ruben Echevarria
Topic: 7380 Message: 7413

I'm on a fixed income myself and have to watch every penny.
Next time order from a dealer that can verify that the item is on hand.
Actually dealers usually sell for a little less than diredt from MFJ.
You would think that it'd be the other way around but since dealers buy
in quantity they get special deals that they pass on to their customers.
The fact that they are still in business after all of these years must mean
something. Others have come and gone but MFJ is still around with
affordable equipment and accessories.
 Ruben Echevarria KA2HHB
SKCC #2132 EPC#3390
10-10 International Club #33308
30Meter Digital Group #1148

_____
From: "greathounder@..." <greathounder@...>
To: ham-antennas@yahoogroups.com
Sent: Thursday, December 25, 2008 8:34:33 PM
Subject: Re: [ham-antennas] Re: MFJ, what a pain in the ____!!!!

I'm glad you guys are fans of MFJ, but I'm very disapointed. The guy that
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you guys, but I'm on a fixed income and I had to save a few months for this
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tuner, I would have, but they and a few others didn't have them in stock or
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_____ _____ _____ __
From: John Lewis <_wa6spa@yahoo. wa6_ (mailto:wa6spa@yahoo. com) >
To: _ham-antennas@ ham-antennasham_ (mailto:ham-antennas@ yahoogroups. com)
Sent: Thursday, December 25, 2008 6:46:12 PM
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To: ham-antennas@ yahoogroups. com
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> From: ke4vyn <_ke4vyn@msn. com_ (mailto:ke4vyn@...) >
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> To: ham-antennas@ yahoogroups. com
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> >
> > 73 james ke4drn
>
> [Non-text portions of this message have been removed]
>
>
>

[Non-text portions of this message have been removed]

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Gmail, and Yahoo Mail. Try it now.
(http://www.aol. com/?optin= new-dp&icid= aolcom40vanity& ncid=emlcntaolco m00000025)

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

7414. RE: [ham-antennas] Re: MFJ, what a pain in the ____!!!!

Yahoo group: ham-antennas (2008)
Date: 2008-12-26 01:55:40 UTC
From: Richard Schmuke
Topic: 7380 Message: 7414

I have never had a problem with the things I have bought but NEVER order direct from MFJ. It cost too much , I go through R&L Electronics or GigaParts, the sell at a discount. When I ordered my antenna analyzer form GigaParts it was out of stock in the store so they gave me an additional 10% discount on the entire package, case and accessory pack. I did not complain .

Rich , KDØZZ

Disclaimer: Any errors in spelling or facts are transmission errors.

[Non-text portions of this message have been removed]

7415. Re: [ham-antennas] Re: MFJ, what a pain in the ____!!!!

Yahoo group: ham-antennas (2008)
Date: 2008-12-26 02:13:57 UTC
From: greathounder@aol.com
Topic: 7380 Message: 7415

I tried to order everything from someone else. But no one had the antenna. If I had a problem with their products, which I own, Antenna anyalizer, freq counter and the $700 tuner I just got from AES. For about the same money, I could have bought several other antennas, HF verticles are around $400. But I thought I'd give MFJ another try. And they failed, plain and simple. FAILED!!!! I'm not picking on them, I'm stating facts. And if you guys have had good luck, great, I haven't, and I'm stateing facts. Remember no matter how many "atta boy's you get, one Aw$#!+ wipes them all out....Bill N8VWI

In a message dated 12/25/2008 8:56:13 PM Eastern Standard Time, rdj@... writes:

I have never had a problem with the things I have bought but NEVER order direct from MFJ. It cost too much , I go through R&L Electronics or GigaParts, the sell at a discount. When I ordered my antenna analyzer form GigaParts it was out of stock in the store so they gave me an additional 10% discount on the entire package, case and accessory pack. I did not complain .

Rich , KDØZZ

Disclaimer: Any errors in spelling or facts are transmission errors.

[Non-text portions of this message have been removed]

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[Non-text portions of this message have been removed]

7416. Re: [ham-antennas] Re: MFJ, what a pain in the ____!!!!

Yahoo group: ham-antennas (2008)
Date: 2008-12-26 02:29:56 UTC
From: Steve Friis
Topic: 7380 Message: 7416

Hi guys and Gals,

I've owned an AV620 for about a year, but I don't think a vertical is an antenna for me. So, mine is up for sale. It is still assembled, but will take it down for shipping. CUS only. Or, come pick it up.

<http://www.eham.net/reviews/detail/555> for reviews.

We paid $300.00. I'll let it go for $150, and I'll put new SS screws in the package.

Have a Happy New Year.

Steve/WM5Z
No one can change the past, but we all influence the future.
Remember, you too can have a computer like a wigwam, No windows, no gates.
Linux User Number 481782

7417. Re: [ham-antennas] Re: MFJ, what a pain in the ____!!!!

Yahoo group: ham-antennas (2008)
Date: 2008-12-26 02:56:17 UTC
From: Skip Taylor
Topic: 7380 Message: 7417

Bill,

I think I would ask to speak to the manager or owner. Perhaps they have a direct contact email address. They've been around too long to have this stuff happen. If they have an employee with a problem, whether a trainee or not, they need to be told about it.

Good luck,
Skip KI6GKS

On Thu, Dec 25, 2008 at 6:13 PM, <greathounder@...> wrote:

>
> I tried to order everything from someone else. But no one had the antenna.
> If I had a problem with their products, which I own, Antenna anyalizer,
> freq
> counter and the $700 tuner I just got from AES. For about the same money, I
> could have bought several other antennas, HF verticles are around $400. But
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> thought I'd give MFJ another try. And they failed, plain and simple.
> FAILED!!!!
> I'm not picking on them, I'm stating facts. And if you guys have had good
> luck, great, I haven't, and I'm stateing facts. Remember no matter how
> many
> "atta boy's you get, one Aw$#!+ wipes them all out....Bill N8VWI
>
>
> In a message dated 12/25/2008 8:56:13 PM Eastern Standard Time,
> rdj@... writes:
>
>
>
>
>
>
> I have never had a problem with the things I have bought but NEVER order
> direct from MFJ. It cost too much , I go through R&L Electronics or
> GigaParts, the sell at a discount. When I ordered my antenna analyzer form
> GigaParts it was out of stock in the store so they gave me an additional
> 10%
> discount on the entire package, case and accessory pack. I did not
> complain
> .
>
> Rich , KDØZZ
>

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> (
> http://www.aol.com/?optin=new-dp&icid=aolcom40vanity&ncid=emlcntaolcom00000025
>)
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>
> [Non-text portions of this message have been removed]
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> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
> to ALL 1446 members (as of 9/26/08, and attachments are NOT permitted.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
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7418. Re: [ham-antennas] Re: MFJ, what a pain in the ____!!!!

Yahoo group: ham-antennas (2008)
Date: 2008-12-26 03:15:18 UTC
From: greathounder@aol.com
Topic: 7380 Message: 7418

Yes Skip, That is what I intend to do. If necessary, I'm good at pestering people. I've been argueing with the VA for 16 months to get my money straightened out. I'm not trying to get something new, I'm just trying to get what they say they owe me. I guess I'm like that pitt bull with lipstick ;-) I hope everyone has had a fantastic Christmas. And will have a great New Yeaars...Bill...N8VWI

In a message dated 12/25/2008 9:56:41 PM Eastern Standard Time, ki6gks@... writes:

Bill,

I think I would ask to speak to the manager or owner. Perhaps they have a direct contact email address. They've been around too long to have this stuff happen. If they have an employee with a problem, whether a trainee or not, they need to be told about it.

Good luck,
Skip KI6GKS

On Thu, Dec 25, 2008 at 6:13 PM, <_greathounder@greatho_ (mailto:greathounder@...) > wrote:

>
> I tried to order everything from someone else. But no one had the antenna.
> If I had a problem with their products, which I own, Antenna anyalizer,
> freq
> counter and the $700 tuner I just got from AES. For about the same money, I
> could have bought several other antennas, HF verticles are around $400. But
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> many
> "atta boy's you get, one Aw$#!+ wipes them all out....Bill N8VWI
>
>
> In a message dated 12/25/2008 8:56:13 PM Eastern Standard Time,
> _rdj@..._ (mailto:rdj@wildblue.net) writes:
>
>
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>
>

> I have never had a problem with the things I have bought but NEVER order
> direct from MFJ. It cost too much , I go through R&L Electronics or
> GigaParts, the sell at a discount. When I ordered my antenna analyzer form
> GigaParts it was out of stock in the store so they gave me an additional
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> Rich , KDØZZ
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> ********** **********<WBR>**One site keeps you connected to all you
> Gmail, and Yahoo Mail. Try it now.
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http://www.aol.http://www.http:/&icid=icid=<WBR>aolc&<WBR>ncid=emlcnt<WBR>ncid
(http://www.aol.com/?optin=new-dp&icid=aolcom40vanity&ncid=emlcntaolcom00000025)
>)
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>
> [Non-text portions of this message have been removed]
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> ---------- ---- ---- -
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> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
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> Post message: _ham-antennas@ham-antennasham_
(mailto:ham-antennas@yahoogroups.com)
> Subscribe: _ham-antennas-ham-antennham-antennasham_
(mailto:ham-antennas-subscribe@yahoogroups.com)
> Unsubscribe: _ham-antennas-ham-antennasham-antennasham_
(mailto:ham-antennas-unsubscribe@yahoogroups.com)
> List owner: _ham-antennas-ham-antennas-<WBham-a_
(mailto:ham-antennas-owner@yahoogroups.com)
> Yahoo! Groups Links
>
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[Non-text portions of this message have been removed]

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[Non-text portions of this message have been removed]

7419. Fw: [ham-antennas] Re: MFJ, what a pain in the ____!!!!

Yahoo group: ham-antennas (2008)
Date: 2008-12-26 03:15:33 UTC
From: Chuck Schultz
Topic: 7419 Message: 7419

MFJ only sells direct to the public as a service to those of us with no immediate access to onr of their dealers for their products. It is not considered good business to compete with your distributers if you are a manufactor. Quite often when purchasing their products at hamfests I have been direct to a dtocking dealer for a better price by the personel manning the MFJ booth only to have the dealer walk over and get said item from the MFJ display to sell to me. To reduce costs items are built in runs of products. When ordering direct you may have to wait for the next run, while ordering at a discount from a dealer will recieve an item off the shelf from stock that was pre-ordered and purchased on spec. To become a stocking dealer requires a considerable investment to start with and a minimum inventory to maintain. I have been using their products for all of my 30 year Ham career and plan to continue the next 30 at least . Chuck Wq5B
----- Original Message -----
From: Ruben Echevarria
To: ham-antennas@yahoogroups.com
Sent: Thursday, December 25, 2008 6:52 PM
Subject: Re: [ham-antennas] Re: MFJ, what a pain in the ____!!!!

Been using MFJ products for many many years and never a problem.
The products work as advertised and am a very happy customer.
And believe me I have a bunch of their stuff.
Ruben Echevarria KA2HHB
SKCC #2132 EPC#3390
10-10 International Club #33308
30Meter Digital Group #1148

From: John Lewis <wa6spa@...>
To: ham-antennas@yahoogroups.com
Sent: Thursday, December 25, 2008 6:46:12 PM
Subject: Re: [ham-antennas] Re: MFJ, what a pain in the ____!!!!

Same here - been ordering from them for about 20 years - their 'early' days were somewhat rough, but they've come a long way in product development, standing behind their products, and their customer service.

Just recently ordered something that didn't work out for my QTH, sent it back and got a refund in about 4 days - no questions asked,and no hassles. Sorry I can't say that about some other ham equipment dealers...

John
WA6SPA

----- Original Message -----
From: Alan Luce <luceinspector@ yahoo.com>
To: ham-antennas@ yahoogroups. com
Date: Thu, 25 Dec 2008 15:24:18 -0800 (PST)

Subject: Re: [ham-antennas] Re: MFJ, what a pain in the ____!!!!

> I have never had any problems with MFJ or their products. Good folks in my book.
> Alan
>
> --- On Thu, 12/25/08, ke4vyn <ke4vyn@...> wrote:
>
> From: ke4vyn <ke4vyn@...>
> Subject: [ham-antennas] Re: MFJ, what a pain in the ____!!!!
> To: ham-antennas@ yahoogroups. com
> Date: Thursday, December 25, 2008, 5:13 PM
>
> Can NOT agree with that. I have ordered from LOTS of retail, direct
> and drop and NO ONE is immune from slip ups.
> That being said; MFJ customer service is WORLD CLASS!! They SPEAK
> and UNDERSTAND English and truly seem to care about you and your
> order.
>
> I have been a HAM for right at 20 years and will say that I have and
> will continue to be a fan of that company.
>
> What you probably do not understand is that the company uses and has
> an internship program to teach young kids the ways of business.
> Something that I truly believe is commendable.
>
> Just my opinion, but I like to give respect where respect is due.
> Have shook the OWNERS hand at many Hamfests, also.
>
> Lee
> KE4VYN
>
> >
> > avoid ordering direct from MFJ,
> > they just do not know how to run that
> > part of their business.
> >
> > Order from one of the larger distributors
> > that has it in stock for same day shipment.
> >
> > //www.wb0w.com/ //www.wb0w
> >
> > //www.aesham. //w
> >
> > 73 james ke4drn
>
> [Non-text portions of this message have been removed]
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7420. Re: Fw: [ham-antennas] Re: MFJ, what a pain in the ____!!!!

Yahoo group: ham-antennas (2008)
Date: 2008-12-26 03:24:39 UTC
From: greathounder@aol.com
Topic: 7419 Message: 7420

Chuck, If I had a problem with their products, I certainly would not have bought a MFJ-998 Auto tuner for $699.95. I just did a search for a MFJ 2990 antenna and MFJ was the only place that seemed to have them. You find me a dealer that has one, I'll order it from them and cancel the order from MFJ...Bill..N8VWI

In a message dated 12/25/2008 10:15:56 PM Eastern Standard Time, wq5b@... writes:

MFJ only sells direct to the public as a service to those of us with no immediate access to onr of their dealers for their products. It is not considered good business to compete with your distributers if you are a manufactor. Quite often when purchasing their products at hamfests I have been direct to a dtocking dealer for a better price by the personel manning the MFJ booth only to have the dealer walk over and get said item from the MFJ display to sell to me. To reduce costs items are built in runs of products. When ordering direct you may have to wait for the next run, while ordering at a discount from a dealer will recieve an item off the shelf from stock that was pre-ordered and purchased on spec. To become a stocking dealer requires a considerable investment to start with and a minimum inventory to maintain. I have been using their products for all of my 30 year Ham career and plan to continue the next 30 at least . Chuck Wq5B
----- Original Message -----
From: Ruben Echevarria
To: _ham-antennas@ham-antennasham_ (mailto:ham-antennas@yahoogroups.com)
Sent: Thursday, December 25, 2008 6:52 PM
Subject: Re: [ham-antennas] Re: MFJ, what a pain in the ____!!!!

Been using MFJ products for many many years and never a problem.
The products work as advertised and am a very happy customer.
And believe me I have a bunch of their stuff.
Ruben Echevarria KA2HHB
SKCC #2132 EPC#3390
10-10 International Club #33308
30Meter Digital Group #1148

From: John Lewis <_wa6spa@...6_ (mailto:wa6spa@...) >
To: _ham-antennas@ham-antennasham_ (mailto:ham-antennas@yahoogroups.com)
Sent: Thursday, December 25, 2008 6:46:12 PM
Subject: Re: [ham-antennas] Re: MFJ, what a pain in the ____!!!!

Same here - been ordering from them for about 20 years - their 'early' days were somewhat rough, but they've come a long way in product development, standing behind their products, and their customer service.

Just recently ordered something that didn't work out for my QTH, sent it
back and got a refund in about 4 days - no questions asked,and no hassles. Sorry
I can't say that about some other ham equipment dealers...

John
WA6SPA

----- Original Message -----
From: Alan Luce <luceinspector@ yahoo.com>
To: ham-antennas@ yahoogroups. com
Date: Thu, 25 Dec 2008 15:24:18 -0800 (PST)
Subject: Re: [ham-antennas] Re: MFJ, what a pain in the ____!!!!

> I have never had any problems with MFJ or their products. Good folks in my
book.
> Alan
>
> --- On Thu, 12/25/08, ke4vyn <_ke4vyn@..._ (mailto:ke4vyn@...) >
wrote:
>
> From: ke4vyn <_ke4vyn@..._ (mailto:ke4vyn@...) >
> Subject: [ham-antennas] Re: MFJ, what a pain in the ____!!!!
> To: ham-antennas@ yahoogroups. com
> Date: Thursday, December 25, 2008, 5:13 PM
>
> Can NOT agree with that. I have ordered from LOTS of retail, direct
> and drop and NO ONE is immune from slip ups.
> That being said; MFJ customer service is WORLD CLASS!! They SPEAK
> and UNDERSTAND English and truly seem to care about you and your
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> I have been a HAM for right at 20 years and will say that I have and
> will continue to be a fan of that company.
>
> What you probably do not understand is that the company uses and has
> an internship program to teach young kids the ways of business.
> Something that I truly believe is commendable.
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> Just my opinion, but I like to give respect where respect is due.
> Have shook the OWNERS hand at many Hamfests, also.
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> Lee
> KE4VYN
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> > 73 james ke4drn
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[Non-text portions of this message have been removed]

7421. RE: Fw: [ham-antennas] Re: MFJ, what a pain in the ____!!!!

Yahoo group: ham-antennas (2008)
Date: 2008-12-26 03:29:04 UTC
From: Greg DeChant
Topic: 7419 Message: 7421

Look at www.dxengineering.com for the original antenna that the MFJ was copied from. I ordered one on a Monday and had it by Tuesday. (Just my 6cents, opinion)

73,
Greg, W8GCD

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of greathounder@...
Sent: Thursday, December 25, 2008 10:25 PM
To: ham-antennas@yahoogroups.com
Subject: Re: Fw: [ham-antennas] Re: MFJ, what a pain in the ____!!!!

Chuck, If I had a problem with their products, I certainly would not have bought a MFJ-998 Auto tuner for $699.95. I just did a search for a MFJ 2990 antenna and MFJ was the only place that seemed to have them. You find me a dealer that has one, I'll order it from them and cancel the order from MFJ...Bill..N8VWI

In a message dated 12/25/2008 10:15:56 PM Eastern Standard Time, wq5b@... <mailto:wq5b%40valornet.com> writes:

MFJ only sells direct to the public as a service to those of us with no immediate access to onr of their dealers for their products. It is not considered
good business to compete with your distributers if you are a manufactor. Quite often when purchasing their products at hamfests I have been direct to a
dtocking dealer for a better price by the personel manning the MFJ booth only
to have the dealer walk over and get said item from the MFJ display to sell to me. To reduce costs items are built in runs of products. When ordering direct you may have to wait for the next run, while ordering at a discount from a
dealer will recieve an item off the shelf from stock that was pre-ordered and purchased on spec. To become a stocking dealer requires a considerable investment to start with and a minimum inventory to maintain. I have been using
their products for all of my 30 year Ham career and plan to continue the next
30 at least . Chuck Wq5B
----- Original Message -----
From: Ruben Echevarria
To: _ham-antennas@ham-antennasham_ (mailto:ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>)
Sent: Thursday, December 25, 2008 6:52 PM

Subject: Re: [ham-antennas] Re: MFJ, what a pain in the ____!!!!

Been using MFJ products for many many years and never a problem.
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Ruben Echevarria KA2HHB
SKCC #2132 EPC#3390
10-10 International Club #33308
30Meter Digital Group #1148

_____
From: John Lewis <_wa6spa@...6 <mailto:_wa6spa%40yahoo.wa6> _
(mailto:wa6spa@... <mailto:wa6spa%40yahoo.com>) >
To: _ham-antennas@ham-antennasham_ (mailto:ham-antennas@yahoogroups.com
<mailto:ham-antennas%40yahoogroups.com>)
Sent: Thursday, December 25, 2008 6:46:12 PM
Subject: Re: [ham-antennas] Re: MFJ, what a pain in the ____!!!!

Same here - been ordering from them for about 20 years - their 'early' days
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back and got a refund in about 4 days - no questions asked,and no hassles.
Sorry
I can't say that about some other ham equipment dealers...

John
WA6SPA

----- Original Message -----
From: Alan Luce <luceinspector@ yahoo.com>
To: ham-antennas@ yahoogroups. com
Date: Thu, 25 Dec 2008 15:24:18 -0800 (PST)
Subject: Re: [ham-antennas] Re: MFJ, what a pain in the ____!!!!

> I have never had any problems with MFJ or their products. Good folks in my

book.
> Alan
>
> --- On Thu, 12/25/08, ke4vyn <_ke4vyn@... <mailto:_ke4vyn%40msn.com> _
(mailto:ke4vyn@... <mailto:ke4vyn%40msn.com>) >
wrote:
>
> From: ke4vyn <_ke4vyn@... <mailto:_ke4vyn%40msn.com> _
(mailto:ke4vyn@... <mailto:ke4vyn%40msn.com>) >
> Subject: [ham-antennas] Re: MFJ, what a pain in the ____!!!!
> To: ham-antennas@ yahoogroups. com
> Date: Thursday, December 25, 2008, 5:13 PM
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> >
> > 73 james ke4drn
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(http://www.aol.com/?optin=new-dp
<http://www.aol.com/?optin=new-dp&icid=aolcom40vanity&ncid=emlcntaolcom00000
025> &icid=aolcom40vanity&ncid=emlcntaolcom00000025)

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[Non-text portions of this message have been removed]

7422. Re: Fw: [ham-antennas] Re: MFJ, what a pain in the ____!!!!

Yahoo group: ham-antennas (2008)
Date: 2008-12-26 03:36:25 UTC
From: greathounder@aol.com
Topic: 7419 Message: 7422

I know Greg, $450 for the one with the balun. Or $299 without. Just out of curiosity, how does it work??? I have a small lot and not a lot of room for antennas....Bill N8VWI

In a message dated 12/25/2008 10:29:18 PM Eastern Standard Time, gcdechant@... writes:

Look at www.dxengineering.Look at www.dxengineering.<WBR>com for the origin copied from. I ordered one on a Monday and had it by Tuesday. (Just my 6cents, opinion)

73,
Greg, W8GCD

From: _ham-antennas@ham-antennasham_ (mailto:ham-antennas@yahoogroups.com) [mailto:_ham-antennas@ham-antennasham_ (mailto:ham-antennas@yahoogroups.com)]
On
Behalf Of _greathounder@greatho_ (mailto:greathounder@...)
Sent: Thursday, December 25, 2008 10:25 PM
To: _ham-antennas@ham-antennasham_ (mailto:ham-antennas@yahoogroups.com)
Subject: Re: Fw: [ham-antennas] Re: MFJ, what a pain in the ____!!!!

Chuck, If I had a problem with their products, I certainly would not have bought a MFJ-998 Auto tuner for $699.95. I just did a search for a MFJ 2990 antenna and MFJ was the only place that seemed to have them. You find me a dealer that has one, I'll order it from them and cancel the order from MFJ...Bill..MFJ..

In a message dated 12/25/2008 10:15:56 PM Eastern Standard Time, _wq5b@...5_ (mailto:wq5b@...) <mailto:wq5b%mailto:wq5bmai>
writes:

MFJ only sells direct to the public as a service to those of us with no immediate access to onr of their dealers for their products. It is not considered
good business to compete with your distributers if you are a manufactor. Quite often when purchasing their products at hamfests I have been direct to a
dtocking dealer for a better price by the personel manning the MFJ booth only
to have the dealer walk over and get said item from the MFJ display to sell to me. To reduce costs items are built in runs of products. When ordering direct you may have to wait for the next run, while ordering at a discount from a
dealer will recieve an item off the shelf from stock that was pre-ordered and purchased on spec. To become a stocking dealer requires a considerable investment to start with and a minimum inventory to maintain. I have been

using
their products for all of my 30 year Ham career and plan to continue the
next
30 at least . Chuck Wq5B
----- Original Message -----
From: Ruben Echevarria
To: _ham-antennas@To: _ham-antennas@<WB_ham-antennas@ham-antennasham_
(mailto:ham-antennas@yahoogroups.com)
<mailto:ham-mailto:hamailto:ham-<WBmai>)
Sent: Thursday, December 25, 2008 6:52 PM
Subject: Re: [ham-antennas] Re: MFJ, what a pain in the ____!!!!

Been using MFJ products for many many years and never a problem.
The products work as advertised and am a very happy customer.
And believe me I have a bunch of their stuff.
Ruben Echevarria KA2HHB
SKCC #2132 EPC#3390
10-10 International Club #33308
30Meter Digital Group #1148

_____
From: John Lewis <__wa6spa@yahoo._wa_ (mailto:_wa6spa@...6)
<mailto:_wa6spa%mailto:_wa6> _
(mailto:_wa6spa@...6_ (mailto:wa6spa@...)
<mailto:wa6spa%mailto:wa6s>) >
To: _ham-antennas@To: _ham-antennas@<WB_ham-antennas@ham-antennasham_
(mailto:ham-antennas@yahoogroups.com)
<mailto:ham-mailto:hamailto:ham-<WBmai>)
Sent: Thursday, December 25, 2008 6:46:12 PM
Subject: Re: [ham-antennas] Re: MFJ, what a pain in the ____!!!!

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Just recently ordered something that didn't work out for my QTH, sent it
back and got a refund in about 4 days - no questions asked,and no hassles.
Sorry
I can't say that about some other ham equipment dealers...

John
WA6SPA

----- Original Message -----
From: Alan Luce <luceinspector@ yahoo.com>
To: ham-antennas@ yahoogroups. com
Date: Thu, 25 Dec 2008 15:24:18 -0800 (PST)
Subject: Re: [ham-antennas] Re: MFJ, what a pain in the ____!!!!

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book.
> Alan
>
> --- On Thu, 12/25/08, ke4vyn <__ke4vyn@msn._ke_ (mailto:_ke4vyn@...)
<mailto:_ke4vyn%mailto:_k> _
(mailto:_ke4vyn@..._ (mailto:ke4vyn@...) <mailto:ke4vyn%mailto:ke>
) >
wrote:
>
> From: ke4vyn <__ke4vyn@msn._ke_ (mailto:_ke4vyn@...)
<mailto:_ke4vyn%mailto:_k> _
(mailto:_ke4vyn@..._ (mailto:ke4vyn@...) <mailto:ke4vyn%mailto:ke>
) >
> Subject: [ham-antennas] Re: MFJ, what a pain in the ____!!!!
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> Have shook the OWNERS hand at many Hamfests, also.
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> Lee
> KE4VYN
>
> >
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> > they just do not know how to run that
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> >
> > Order from one of the larger distributors
> > that has it in stock for same day shipment.
> >
> > //www.wb0w.com/ //www.wb0w
> >
> > //www.aesham. //w
> >
> > 73 james ke4drn
>
> [Non-text portions of this message have been removed]

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[Non-text portions of this message have been removed]

**********<WBR>**One site keeps you connected to all your
Gmail, and Yahoo Mail. Try it now.
(_http://www.aol.http://www.http:/_ (http://www.aol.com/?optin=new-dp)
<_http://www.aol.http://www.http:/&icid=icid=<WBR>aolc&<WBR>ncid=emlcnt<WBR>n_

(http://www.aol.com/?optin=new-dp&icid=aolcom40vanity&ncid=emlcntaolcom00000)
025> &icid=aolcom40vaniti&ncid=emlcntaolncid=emlcnta

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Gmail, and Yahoo Mail. Try it now.
(http://www.aol.com/?optin=new-dp&icid=aolcom40vanity&ncid=emlcntaolcom00000025)

[Non-text portions of this message have been removed]

7423. RE: Fw: [ham-antennas] Re: MFJ, what a pain in the ____!!!!

Yahoo group: ham-antennas (2008)
Date: 2008-12-26 03:46:27 UTC
From: Greg DeChant
Topic: 7419 Message: 7423

Hi Bill!

I also have a small space for an antenna. If this is your first installation, you will need the Balun and the radial plate. The radial wires don't have to be any certain length, just make them as long as you can and the more wires you use the efficiency will improve.

A vertical antenna utilizes two elements, one is the radiator that is standing straight up, the other element is the radial wires.

In addition to the antenna, radial plate, balun and coax you will need a tuner, which I won't suggest as to whom you should purchase that from.

73,
Greg, W8GCD

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of greathounder@...
Sent: Thursday, December 25, 2008 10:36 PM
To: ham-antennas@yahoogroups.com
Subject: Re: Fw: [ham-antennas] Re: MFJ, what a pain in the ____!!!!

I know Greg, $450 for the one with the balun. Or $299 without. Just out of curiosity, how does it work??? I have a small lot and not a lot of room for antennas....Bill N8VWI

In a message dated 12/25/2008 10:29:18 PM Eastern Standard Time, gcdechant@... <mailto:gcdechant%40roadrunner.com> writes:

Look at www.dxengineering.Look at www.dxengineering.<WBR>com for the origin copied from. I ordered one on a Monday and had it by Tuesday. (Just my 6cents, opinion)

73,
Greg, W8GCD

From: _ham-antennas@ham-antennasham_ (mailto:ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>)
[mailto:_ham-antennas@ham-antennasham_ (mailto:ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>)]
On
Behalf Of _greathounder@greatho_ (mailto:greathounder@... <mailto:greathounder%40aol.com>)
Sent: Thursday, December 25, 2008 10:25 PM
To: _ham-antennas@ham-antennasham_ (mailto:ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>)
Subject: Re: Fw: [ham-antennas] Re: MFJ, what a pain in the ____!!!!

Chuck, If I had a problem with their products, I certainly would not have bought a MFJ-998 Auto tuner for $699.95. I just did a search for a MFJ 2990 antenna and MFJ was the only place that seemed to have them. You find me a dealer that has one, I'll order it from them and cancel the order from MFJ...Bill..MFJ..

In a message dated 12/25/2008 10:15:56 PM Eastern Standard Time, _wq5b@...5 <mailto:_wq5b%40valornet.wq5> _ (mailto:wq5b@... <mailto:wq5b%40valornet.com>) <mailto:wq5b%mailto:wq5bmai> writes:

MFJ only sells direct to the public as a service to those of us with no immediate access to onr of their dealers for their products. It is not considered
good business to compete with your distributers if you are a manufactor. Quite often when purchasing their products at hamfests I have been direct to a
dtocking dealer for a better price by the personel manning the MFJ booth only
to have the dealer walk over and get said item from the MFJ display to sell to me. To reduce costs items are built in runs of products. When ordering direct you may have to wait for the next run, while ordering at a discount from a
dealer will recieve an item off the shelf from stock that was pre-ordered and purchased on spec. To become a stocking dealer requires a considerable investment to start with and a minimum inventory to maintain. I have been using
their products for all of my 30 year Ham career and plan to continue the next
30 at least . Chuck Wq5B
----- Original Message -----
From: Ruben Echevarria
To: _ham-antennas@To: _ham-antennas@<WB_ham-antennas@ham-antennasham_
(mailto:ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
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SKCC #2132 EPC#3390
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_____
From: John Lewis <__wa6spa@yahoo._wa_ (mailto:_wa6spa@...6
<mailto:_wa6spa%40yahoo.wa6>)
<mailto:_wa6spa%mailto:_wa6> _
(mailto:_wa6spa@...6 <mailto:_wa6spa%40yahoo.wa6> _

(mailto:wa6spa@... <mailto:wa6spa%40yahoo.com>)
<mailto:wa6spa%mailto:wa6s>) >
To: _ham-antennas@To: _ham-antennas@<WB_ham-antennas@ham-antennasham_
(mailto:ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
)
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John
WA6SPA

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From: Alan Luce <luceinspector@ yahoo.com>
To: ham-antennas@ yahoogroups. com
Date: Thu, 25 Dec 2008 15:24:18 -0800 (PST)
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(mailto:_ke4vyn@... <mailto:_ke4vyn%40msn.com> _ (mailto:ke4vyn@...
<mailto:ke4vyn%40msn.com>) <mailto:ke4vyn%mailto:ke>
) >
wrote:
>
> From: ke4vyn <__ke4vyn@msn._ke_ (mailto:_ke4vyn@...
<mailto:_ke4vyn%40msn.com>)
<mailto:_ke4vyn%mailto:_k> _
(mailto:_ke4vyn@... <mailto:_ke4vyn%40msn.com> _ (mailto:ke4vyn@...
<mailto:ke4vyn%40msn.com>) <mailto:ke4vyn%mailto:ke>
) >
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> >
> > //www.aesham. //w
> >
> > 73 james ke4drn
>
> [Non-text portions of this message have been removed]
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**********<WBR>**One site keeps you connected to all your
Gmail, and Yahoo Mail. Try it now.
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(http://www.aol.com/?optin=new-dp)
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> &icid=aolcom40vanity&ncid=emlcntaolcom00000)

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[Non-text portions of this message have been removed]

7424. Re: Fw: [ham-antennas] Re: MFJ, what a pain in the ____!!!!

Yahoo group: ham-antennas (2008)
Date: 2008-12-26 04:04:19 UTC
From: Chuck Schultz
Topic: 7419 Message: 7424

I have a pretty sizeable investment from them myself. I use only Hy-Gain antennas , I own an Ameritron Al1200 amp , a Al600 amp , the 500 mobil amp, several of their tuners , a 259 ant analzer and the list goes on. I once bought their Atomic watch . The band was too small so I attempted to buy a few extra links . No go , they did offer to return my money . I wore it too tight for awhile and either my wrist shrunk or the band stretched . It kept great time until I attempted to replace the battery. I ended up driving all the pieces and the new battery back into the case with a two pound hammer before taping a quarter to it and throwing it in the trash. I now own another brand Atomic watch and it has a solar cell so I will not need the hammer for any more battery replacements. Chuck Wq5B
----- Original Message -----
From: greathounder@...
To: ham-antennas@yahoogroups.com
Sent: Thursday, December 25, 2008 9:24 PM
Subject: Re: Fw: [ham-antennas] Re: MFJ, what a pain in the ____!!!!

Chuck, If I had a problem with their products, I certainly would not have bought a MFJ-998 Auto tuner for $699.95. I just did a search for a MFJ 2990 antenna and MFJ was the only place that seemed to have them. You find me a dealer that has one, I'll order it from them and cancel the order from MFJ...Bill..N8VWI

In a message dated 12/25/2008 10:15:56 PM Eastern Standard Time, wq5b@... writes:

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From: Ruben Echevarria
To: _ham-antennas@ham-antennasham_ (mailto:ham-antennas@yahoogroups.com)
Sent: Thursday, December 25, 2008 6:52 PM
Subject: Re: [ham-antennas] Re: MFJ, what a pain in the ____!!!!

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Ruben Echevarria KA2HHB
SKCC #2132 EPC#3390
10-10 International Club #33308
30Meter Digital Group #1148

_____
From: John Lewis <_wa6spa@...6_ (mailto:wa6spa@...) >
To: _ham-antennas@ham-antennasham_ (mailto:ham-antennas@yahoogroups.com)
Sent: Thursday, December 25, 2008 6:46:12 PM
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WA6SPA

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To: ham-antennas@ yahoogroups. com
Date: Thu, 25 Dec 2008 15:24:18 -0800 (PST)
Subject: Re: [ham-antennas] Re: MFJ, what a pain in the ____!!!!

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> Subject: [ham-antennas] Re: MFJ, what a pain in the ____!!!!
> To: ham-antennas@ yahoogroups. com
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[Non-text portions of this message have been removed]

7425. Re: [ham-antennas] HMY2K8 - A multiband HF transceiver (Homebrew):

Yahoo group: ham-antennas (2008)
Date: 2008-12-26 04:23:27 UTC
From: Pat Turner
Topic: 7402 Message: 7425

nice homebrew my friend, i applaud you!!!!!!!!!
pat, K3PB

--- On Thu, 12/25/08, SATHEESH MENON <menonsatheeshvv@...> wrote:

From: SATHEESH MENON <menonsatheeshvv@...>
Subject: [ham-antennas] HMY2K8 - A multiband HF transceiver (Homebrew):
To: vu2wsm@...
Date: Thursday, December 25, 2008, 8:04 AM

**** MERRY CHIRSTMAS ***
?
?HMY2K8 - A multiband HF transceiver (Homebrew):
?
for more information visit :
http://vu2sgw.blogspot.com/2008/11/hmy2k8-multiband-hf-transceiver.html
?
?
TECHNICAL SPECIFICATIONS :
Frequency coverage: Ham Bands
3.500 - 3.600 M.Hz (80 M)
7.000 - 7.100M.Hz (40 M)
14.000 ? 14.350 M.Hz (20 M)
21.000 - 21.350 M.Hz (15 M)
28.000 ? 28.350 M.Hz (10 M)

Receiver :
Single conversion receiver with 10.000 M.Hz Cohn filter.
Low noise figure, 2.2 K.Hz SSB band width, 1.5 W audio O/P.

Transmitter :
RF O/P - SSB - 90 W (DC PWR I/P)
CW - 60 W (DC PWR I/P)
Built in CW side tone, CW delay, pwr meter, MOS FET Push Pull PA.

Dimensions :8.5 X 7 X 4.5 inches
?
?
Happy Homebrewing / Happy HAMing
?
73
VU2WSM
(Satheesh)

?

[Non-text portions of this message have been removed]

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to
ALL 1446 members (as of 9/26/08, and attachments are NOT permitted.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

[Non-text portions of this message have been removed]

7426. 160m with 5 80m elements

Yahoo group: ham-antennas (2008)
Date: 2008-12-26 06:56:59 UTC
From: Its from KE4VYN
Topic: 7426 Message: 7426

ARCALA EXTREMES AT OH8X Finishing the 160m 3el YAGI Monster
:)<http://www.ly4a.com/?p=2499>

Today is the shortest day of the year - only three hours of daylight and as
of yesterday

the Arcala Extremes antenna's last 160M element went up!

After working three weeks straight OH8SR and OH6RM went home for Xmas!

Please note the following technical details;

Tower height 100m

80M and 160M booms 60m

Five (5) 80M full-size elements

You note in the picture that OH8SR and OH6RM are working inside the boom.

Poor OH8SR - with 2nd 160M element he was working in a total fog without
seeing the

ground for 7 hours! He seemingly enjoy working inside of the boom!

The upper slip-ring has such diameter that you can drive thru with Juha's
large Lexus!.

[Non-text portions of this message have been removed]

7427. Re: [ham-antennas] 160m with 5 80m elements

Yahoo group: ham-antennas (2008)
Date: 2008-12-26 12:37:02 UTC
From: Jim Coon
Topic: 7426 Message: 7427

can you upload a picture?

Its from KE4VYN wrote:
>
> ARCALA EXTREMES AT OH8X Finishing the 160m 3el YAGI Monster
> :)<http://www.ly4a.com/?p=2499 <http://www.ly4a.com/?p=2499>>
>
> Today is the shortest day of the year - only three hours of daylight
> and as
> of yesterday
>
> the Arcala Extremes antenna's last 160M element went up!
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> After working three weeks straight OH8SR and OH6RM went home for Xmas!
>
> Please note the following technical details;
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> Tower height 100m
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> 80M and 160M booms 60m
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> Five (5) 80M full-size elements
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> The upper slip-ring has such diameter that you can drive thru with Juha's
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>
> [Non-text portions of this message have been removed]
>
>

7428. Fw: [ham-antennas] Re: MFJ, what a pain in the ____!!!!

Yahoo group: ham-antennas (2008)
Date: 2008-12-26 14:24:50 UTC
From: wd4elg_base
Topic: 7419 Message: 7428

The 43 foot MFJ vertical is a copy of the DX Engineering antenna, and THAT is a copy of the original Zero-Five verticals 43 footer.

I have the ZF 43 footer and remote tuner and I could not be happier. It absolutely needs radials. However, it works well on a small lot with those radials. I have my radials (24 of them, each 64 feet in lentgh) wrapped around my properly line. The antenna is wrapped in black electrical tape for stealth (my requirements, since I am in a subdivision).

This is not a cheap antenna (it is expensive compared to dipoles, but it is well made). It has a specific purpose - low-angle radiation for long-distance DX. I can tell you that it works extremely well for this use. And the taper design means it is a 43 foot with no guy wires.

I have a detailed review of the 43 foot vertical from Zero-Five on eham.net http://www.eham.net/reviews/review/74121

Array Solutions (reseller) has more details on the 43 foot design. http://www.arraysolutions.com/Products/zero_five.htm#top%20of%20page

It must have a balun and tuner at the shack, or a remote tuner (I picked the remote tuner because I am using 100 watts and I need every ounce of power going into the antenna and not being wasted in the coax).

Tom, NK9W, who owns Zero-Five, is a super individual and can (and does) answer any and all questions (zerofivechicago@...).
Believe me when I tell you I had serious reservations about plunking down my hard-earned spare change for this addition. I was reluctant, but I am quite satisfied.

Mark Lunday, WD4ELG
wd4elg@...
http://wd4elg.net

7429. Re: 160m with 5 80m elements

Yahoo group: ham-antennas (2008)
Date: 2008-12-26 14:25:10 UTC
From: ke4vyn
Topic: 7426 Message: 7429

Done.

They call this amateur radio!

--- In ham-antennas@yahoogroups.com, Jim Coon <liteways@...> wrote:
>
> can you upload a picture?
>
> Its from KE4VYN wrote:
> >
> > ARCALA EXTREMES AT OH8X Finishing the 160m 3el YAGI Monster
> > :)<http://www.ly4a.com/?p=2499 <http://www.ly4a.com/?p=2499>>
> >
> > Today is the shortest day of the year - only three hours of
daylight
> > and as
> > of yesterday
> >
> > the Arcala Extremes antenna's last 160M element went up!
> >
> > After working three weeks straight OH8SR and OH6RM went home for
Xmas!
> >
> > Please note the following technical details;
> >
> > Tower height 100m
> >
> > 80M and 160M booms 60m
> >
> > Five (5) 80M full-size elements
> >
> > You note in the picture that OH8SR and OH6RM are working inside
the boom.
> >
> > Poor OH8SR - with 2nd 160M element he was working in a total fog
without
> > seeing the
> >
> > ground for 7 hours! He seemingly enjoy working inside of the boom!
> >
> > The upper slip-ring has such diameter that you can drive thru
with Juha's
> > large Lexus!.
> >
> > [Non-text portions of this message have been removed]

> >
> >
>

7430. Those 43-foot verticals...

Yahoo group: ham-antennas (2008)
Date: 2008-12-26 14:28:51 UTC
From: Earl Needham
Topic: 7419 Message: 7430

wd4elg_base wrote:
> The 43 foot MFJ vertical is a copy of the DX Engineering antenna, and
> THAT is a copy of the original Zero-Five verticals 43 footer.
>
> I have the ZF 43 footer and remote tuner and I could not be happier.
> It absolutely needs radials. However, it works well on a small lot
> with those radials. I have my radials (24 of them, each 64 feet in
> lentgh) wrapped around my properly line. The antenna is wrapped in
> black electrical tape for stealth (my requirements, since I am in a
> subdivision).
>
> This is not a cheap antenna (it is expensive compared to dipoles, but
> it is well made). It has a specific purpose - low-angle radiation
> for long-distance DX. I can tell you that it works extremely well
> for this use. And the taper design means it is a 43 foot with no
> guy wires.
I have thought several times over the years about putting up a
vertical. I've always heard that verticals were best on the lower bands
-- 40,80, and 160. Are those the bands you use yours on? Or do you
also use it on 10-30? Where does it seem to work best?

Thanks,
Earl

--
KD5XB -- Earl Needham
Clovis, New Mexico DM84jk
http://groups.yahoo.com/group/cw_bugs
Quoting from the Coast Guard: ZUT

7431. Re: Fw: [ham-antennas] Re: MFJ, what a pain in the ____!!!!

Yahoo group: ham-antennas (2008)
Date: 2008-12-26 15:37:07 UTC
From: Brian Tucker
Topic: 7419 Message: 7431

Most dealers do not stock "everything" from a manufacturer. Being a part time employee of an MFJ reseller, I've sold many an item that my store didn't normally stock. We sell it, it generates a purchase order to MFJ, then it's either delivered to our store and re-shipped, or shipped directly from MFJ to the customer. Most of the time, we prefer it to come through the store so that it can be inspected before forwarding to the customer, so that we're sure that we're not shipping blindly and potentially damaged merchandise being delivered.
There are two sides to every story, and I've also met Martin, and can speak for his character. He's a great guy, and I say that not as a reseller of his products (keep business & pleasure separate), but as a fellow ham. I've spoken with him on several occasions, and he's very much in tune to what the ham community says about his products. I'm sure that if you escalate your issue, as you've stated, you'll see good results.

But back to the original point: If a reseller doesn't have it in stock, that doesn't mean they can't get it for you. Usually, when we order, it's shipped next day if they have it in stock, and if not, we're in constant communication with the manufacturers and can give a pretty good response to the customers on expectations.

Hope this helps!

Brian

On Thu, Dec 25, 2008 at 10:24 PM, <greathounder@...> wrote:

>
> Chuck, If I had a problem with their products, I certainly would not have
> bought a MFJ-998 Auto tuner for $699.95. I just did a search for a MFJ 2990
>
> antenna and MFJ was the only place that seemed to have them. You find me a
> dealer that has one, I'll order it from them and cancel the order from
> MFJ...Bill..N8VWI
>
> In a message dated 12/25/2008 10:15:56 PM Eastern Standard Time,
> wq5b@... <wq5b%40valornet.com> writes:
>
> MFJ only sells direct to the public as a service to those of us with no
> immediate access to onr of their dealers for their products. It is not
> considered
> good business to compete with your distributers if you are a manufactor.
> Quite often when purchasing their products at hamfests I have been direct
> to a
> dtocking dealer for a better price by the personel manning the MFJ booth
> only

> to have the dealer walk over and get said item from the MFJ display to sell
>
> to me. To reduce costs items are built in runs of products. When ordering
> direct you may have to wait for the next run, while ordering at a discount
> from a
> dealer will recieve an item off the shelf from stock that was pre-ordered
> and purchased on spec. To become a stocking dealer requires a considerable
> investment to start with and a minimum inventory to maintain. I have been
> using
> their products for all of my 30 year Ham career and plan to continue the
> next
> 30 at least . Chuck Wq5B
> ----- Original Message -----
> From: Ruben Echevarria
> To: _ham-antennas@ham-antennasham_
(mailto:ham-antennas@yahoogroups.com<ham-antennas%40yahoogroups.com>)
>
> Sent: Thursday, December 25, 2008 6:52 PM
> Subject: Re: [ham-antennas] Re: MFJ, what a pain in the ____!!!!
>
> Been using MFJ products for many many years and never a problem.
> The products work as advertised and am a very happy customer.
> And believe me I have a bunch of their stuff.
> Ruben Echevarria KA2HHB
> SKCC #2132 EPC#3390
> 10-10 International Club #33308
> 30Meter Digital Group #1148
>
> _____
> From: John Lewis <_wa6spa@...6 <_wa6spa%40yahoo.wa6>_ (mailto:
> wa6spa@... <wa6spa%40yahoo.com>) >
> To: _ham-antennas@ham-antennasham_
(mailto:ham-antennas@yahoogroups.com<ham-antennas%40yahoogroups.com>)
>
> Sent: Thursday, December 25, 2008 6:46:12 PM
> Subject: Re: [ham-antennas] Re: MFJ, what a pain in the ____!!!!
>
> Same here - been ordering from them for about 20 years - their 'early' days
>
> were somewhat rough, but they've come a long way in product development,
> standing behind their products, and their customer service.
>
> Just recently ordered something that didn't work out for my QTH, sent it
> back and got a refund in about 4 days - no questions asked,and no hassles.
> Sorry
> I can't say that about some other ham equipment dealers...
>
> John
> WA6SPA
>

> ----- Original Message -----
> From: Alan Luce <luceinspector@ yahoo.com>
> To: ham-antennas@ yahoogroups. com
> Date: Thu, 25 Dec 2008 15:24:18 -0800 (PST)
> Subject: Re: [ham-antennas] Re: MFJ, what a pain in the ____!!!!
>
> > I have never had any problems with MFJ or their products. Good folks in
> my
> book.
> > Alan
> >
> > --- On Thu, 12/25/08, ke4vyn <_ke4vyn@... <_ke4vyn%40msn.com>_
> (mailto:ke4vyn@... <ke4vyn%40msn.com>) >
> wrote:
> >
> > From: ke4vyn <_ke4vyn@... <_ke4vyn%40msn.com>_ (mailto:
> ke4vyn@... <ke4vyn%40msn.com>) >
>
> > Subject: [ham-antennas] Re: MFJ, what a pain in the ____!!!!
> > To: ham-antennas@ yahoogroups. com
> > Date: Thursday, December 25, 2008, 5:13 PM
> >
> > Can NOT agree with that. I have ordered from LOTS of retail, direct
> > and drop and NO ONE is immune from slip ups.
> > That being said; MFJ customer service is WORLD CLASS!! They SPEAK
> > and UNDERSTAND English and truly seem to care about you and your
> > order.
> >
> > I have been a HAM for right at 20 years and will say that I have and
> > will continue to be a fan of that company.
> >
> > What you probably do not understand is that the company uses and has
> > an internship program to teach young kids the ways of business.
> > Something that I truly believe is commendable.
> >
> > Just my opinion, but I like to give respect where respect is due.
> > Have shook the OWNERS hand at many Hamfests, also.
> >
> > Lee
> > KE4VYN
> >
> > >
> > > avoid ordering direct from MFJ,
> > > they just do not know how to run that
> > > part of their business.
> > >
> > > Order from one of the larger distributors
> > > that has it in stock for same day shipment.
> > >
> > > //www.wb0w.com/ //www.wb0w

> > >
> > > //www.aesham. //w
> > >
> > > 73 james ke4drn
> >
> > [Non-text portions of this message have been removed]
> >
> >
> >
>
> [Non-text portions of this message have been removed]
>
> [Non-text portions of this message have been removed]
>
> **********One site keeps you connected to all your email: AOL Mail,
> Gmail, and Yahoo Mail. Try it now.
> (
> http://www.aol.com/?optin=new-dp&icid=aolcom40vanity&ncid=emlcntaolcom00000025
>)
>
> [Non-text portions of this message have been removed]
>
>
>

--
Brian Tucker

[Non-text portions of this message have been removed]

7432. Re: Fw: [ham-antennas] Re: MFJ, what a pain in the ____!!!!

Yahoo group: ham-antennas (2008)
Date: 2008-12-26 15:54:13 UTC
From: Dan Schaaf
Topic: 7419 Message: 7432

I am a manufacturer of scientific products. I know that sometimes we do not have a product in stock, and therefore the customer must wait some time for delivery. Patience is required. In most cases, it is not a "Life or Death" situation. Sure, it is always nice to buy something and have it in our hands quickly, but it doesn't always happen that way. Life is too short to get upset over such trivial things. Now, if the product is a medication for an illness, then there is cause for concern. There are valid reasons for late delivery and MFJ has always been good to me. Only once did I find a quality control problem from MFJ and it was fixed quickly. You cannot judge a company by one mistake. Anyone who is without fault can throw the first stone.
And, yes, you can get better prices from dealers. HRO has free shipping over $100 purchase and no sales tax. The discount to dealers is not available from MFJ to individual buyers. MFJ pockets that discount for their profit margin when you buy direct. Basically, they pay themselves to do the sale on the phone direct to you. Normal business practice.

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com "In the Beginning, there was Spark Gap"
==========
NOBSKA
www.nobska.net
==========
Cape Cod Instruments
www.oceanbiz.net
==========
----- Original Message -----
From: Brian Tucker
To: ham-antennas@yahoogroups.com
Sent: Friday, December 26, 2008 10:37 AM
Subject: Re: Fw: [ham-antennas] Re: MFJ, what a pain in the ____!!!!

Most dealers do not stock "everything" from a manufacturer. Being a part time employee of an MFJ reseller, I've sold many an item that my store didn't normally stock. We sell it, it generates a purchase order to MFJ, then it's either delivered to our store and re-shipped, or shipped directly from MFJ to the customer. Most of the time, we prefer it to come through the store so that it can be inspected before forwarding to the customer, so that we're sure that we're not shipping blindly and potentially damaged merchandise being delivered.
There are two sides to every story, and I've also met Martin, and can speak for his character. He's a great guy, and I say that not as a reseller of his products (keep business & pleasure separate), but as a fellow ham. I've spoken with him on several occasions, and he's very much in tune to what the ham community says about his products. I'm sure that if you escalate your issue, as you've stated, you'll see good results.

But back to the original point: If a reseller doesn't have it in stock, that doesn't mean they can't get it for you. Usually, when we order, it's shipped next day if they have it in stock, and if not, we're in constant communication with the manufacturers and can give a pretty good response to the customers on expectations.

Hope this helps!

Brian

On Thu, Dec 25, 2008 at 10:24 PM, <greathounder@...> wrote:

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> Chuck, If I had a problem with their products, I certainly would not have
> bought a MFJ-998 Auto tuner for $699.95. I just did a search for a MFJ 2990
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> MFJ...Bill..N8VWI
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> 30 at least . Chuck Wq5B
> ----- Original Message -----
> From: Ruben Echevarria
> To: _ham-antennas@ham-antennasham_
(mailto:ham-antennas@yahoogroups.com<ham-antennas%40yahoogroups.com>)
>
> Sent: Thursday, December 25, 2008 6:52 PM
> Subject: Re: [ham-antennas] Re: MFJ, what a pain in the ____!!!!
>
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> The products work as advertised and am a very happy customer.
> And believe me I have a bunch of their stuff.
> Ruben Echevarria KA2HHB
> SKCC #2132 EPC#3390
> 10-10 International Club #33308
> 30Meter Digital Group #1148
>
> _____
> From: John Lewis <_wa6spa@...6 <_wa6spa%40yahoo.wa6>_ (mailto:
> wa6spa@... <wa6spa%40yahoo.com>) >
> To: _ham-antennas@ham-antennasham_
(mailto:ham-antennas@yahoogroups.com<ham-antennas%40yahoogroups.com>)
>
> Sent: Thursday, December 25, 2008 6:46:12 PM
> Subject: Re: [ham-antennas] Re: MFJ, what a pain in the ____!!!!
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>
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>
> Just recently ordered something that didn't work out for my QTH, sent it
> back and got a refund in about 4 days - no questions asked,and no hassles.
> Sorry
> I can't say that about some other ham equipment dealers...
>
> John
> WA6SPA
>
> ----- Original Message -----
> From: Alan Luce <luceinspector@ yahoo.com>
> To: ham-antennas@ yahoogroups. com
> Date: Thu, 25 Dec 2008 15:24:18 -0800 (PST)
> Subject: Re: [ham-antennas] Re: MFJ, what a pain in the ____!!!!
>
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> book.
> > Alan
> >
> > --- On Thu, 12/25/08, ke4vyn <_ke4vyn@... <_ke4vyn%40msn.com>_
> (mailto:ke4vyn@... <ke4vyn%40msn.com>) >
> wrote:
> >
> > From: ke4vyn <_ke4vyn@... <_ke4vyn%40msn.com>_ (mailto:
> ke4vyn@... <ke4vyn%40msn.com>) >
>
> > Subject: [ham-antennas] Re: MFJ, what a pain in the ____!!!!
> > To: ham-antennas@ yahoogroups. com
> > Date: Thursday, December 25, 2008, 5:13 PM

> >
> > Can NOT agree with that. I have ordered from LOTS of retail, direct
> > and drop and NO ONE is immune from slip ups.
> > That being said; MFJ customer service is WORLD CLASS!! They SPEAK
> > and UNDERSTAND English and truly seem to care about you and your
> > order.
> >
> > I have been a HAM for right at 20 years and will say that I have and
> > will continue to be a fan of that company.
> >
> > What you probably do not understand is that the company uses and has
> > an internship program to teach young kids the ways of business.
> > Something that I truly believe is commendable.
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> >
> > Lee
> > KE4VYN
> >
> > >
> > > avoid ordering direct from MFJ,
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> > >
> > > Order from one of the larger distributors
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> > >
> > > //www.wb0w.com/ //www.wb0w
> > >
> > > //www.aesham. //w
> > >
> > > 73 james ke4drn
> >
> > [Non-text portions of this message have been removed]
> >
> >
> >
>
> [Non-text portions of this message have been removed]
>
> [Non-text portions of this message have been removed]
>
> **********One site keeps you connected to all your email: AOL Mail,
> Gmail, and Yahoo Mail. Try it now.
> (
> http://www.aol.com/?optin=new-dp&icid=aolcom40vanity&ncid=emlcntaolcom00000025
>)
>
> [Non-text portions of this message have been removed]

>
>
>

--
Brian Tucker

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

7433. Re: [ham-antennas] Re: MFJ, what a pain in the ____!!!!

Yahoo group: ham-antennas (2008)
Date: 2008-12-26 17:14:40 UTC
From: Ken Burchfield
Topic: 7380 Message: 7433

Well said Lee, My dealings with only the customer Service Dept. was Great!! I bought a non working MFJ-259B and Rich in their customer service went beyond the call of duty, for me.... until I repaired it!! ....At least American company!!
"Different strokes for different Folks"
nuff said from here!
73 Ken

PacketRadio is Still Alive.....Mississippi.....145.010.....Simplex.....1200 Baud

---
From: ke4vyn <ke4vyn@...>
To: ham-antennas@yahoogroups.com
Sent: Thursday, December 25, 2008 5:13:03 PM
Subject: [ham-antennas] Re: MFJ, what a pain in the ____!!!!

Can NOT agree with that. I have ordered from LOTS of retail, direct and drop and NO ONE is immune from slip ups.
That being said; MFJ customer service is WORLD CLASS!! They SPEAK and UNDERSTAND English and truly seem to care about you and your order.

I have been a HAM for right at 20 years and will say that I have and will continue to be a fan of that company.

What you probably do not understand is that the company uses and has an internship program to teach young kids the ways of business. Something that I truly believe is commendable.

Just my opinion, but I like to give respect where respect is due. Have shook the OWNERS hand at many Hamfests, also.

Lee
KE4VYN

>
> avoid ordering direct from MFJ,
> they just do not know how to run that
> part of their business.
>
> Order from one of the larger distributors
> that has it in stock for same day shipment.
>
> //www.wb0w.com/ //www.wb0w
>
> //www.aesham. //w
>
> 73 james ke4drn

__._

[Non-text portions of this message have been removed]

7434. Re: [ham-antennas] 160m with 5 80m elements

Yahoo group: ham-antennas (2008)
Date: 2008-12-26 17:24:36 UTC
From: Joe
Topic: 7426 Message: 7434

Is it me or does that web page never load?

Its from KE4VYN wrote:

>ARCALA EXTREMES AT OH8X Finishing the 160m 3el YAGI Monster
:)<http://www.ly4a.com/?p=2499>
>
>Today is the shortest day of the year - only three hours of daylight and as
>of yesterday
>
>the Arcala Extremes antenna's last 160M element went up!
>
>After working three weeks straight OH8SR and OH6RM went home for Xmas!
>
>Please note the following technical details;
>
>Tower height 100m
>
>80M and 160M booms 60m
>
>Five (5) 80M full-size elements
>
>
>
>
>
>You note in the picture that OH8SR and OH6RM are working inside the boom.
>
>Poor OH8SR - with 2nd 160M element he was working in a total fog without
>seeing the
>
>ground for 7 hours! He seemingly enjoy working inside of the boom!
>
>The upper slip-ring has such diameter that you can drive thru with Juha's
>large Lexus!.
>
>
>[Non-text portions of this message have been removed]
>
>
>----------
>
>HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 1446
members (as of 9/26/08, and attachments are NOT permitted.
>Post message: ham-antennas@yahoogroups.com

>Subscribe: ham-antennas-subscribe@yahoogroups.com
>Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
>List owner: ham-antennas-owner@yahoogroups.com
>Yahoo! Groups Links
>
>
>
>
>
>
>

7435. Re: MFJ, what a pain in the ____!!!!

Yahoo group: ham-antennas (2008)
Date: 2008-12-26 17:28:36 UTC
From: Rick
Topic: 7380 Message: 7435

So its OK for them to cheat themselves in your favor but not OK to make a mistake ? Wow, so much for the theory that all hams ar honest !

Think about it...
Rick
KC8AON

--- In ham-antennas@yahoogroups.com, "greathounder" <greathounder@...> wrote:

> Oh, and later I went to their site, entered the order number that she
> had given me, it came up " no order found." Now if they sent me the
> order, and didn't charge me, that would be fantastic...Bill N8VWI
>

7436. Re: Those 43-foot verticals...

Yahoo group: ham-antennas (2008)
Date: 2008-12-26 17:38:29 UTC
From: Rick
Topic: 7419 Message: 7436

The theory of a vertical being the best depends really on what you want it to do. If you want long haul DX work, then a vertical will work well but they do need radials to work most efficiently unless they are of the half wave variety. If you want mainly close in contacts such as state wide coverage for nets, emcomm work, and traffic handling, then a low horizontal dipole would be better in most cases.

Here's a simple vertical that works well and doesn't cost an arm & a leg - www.w8afx.com and look for the Eagle One Vertical. Its 31' tall and requires a tuner (best if used with an autotuner at the feedpoint such as the Icom AH-4 or SGC-237) and it will work 10 thru 80 meters. SOme folks are using them with coax and a manual tuner in the shack, but I still think the autotuner at the feedpoint is best - that way feedline losses are much less because the coax is operating in a matched condition.

Nothing magical or special about any of the 30', 43' or 65' verticals though - they've been around for years in the homebrew version. The commercial guys just finally caught on !

73
Rick
KC8AON

--- In ham-antennas@yahoogroups.com, Earl Needham <needhame1@...> wrote:

> I have thought several times over the years about putting up a
> vertical. I've always heard that verticals were best on the lower
bands
> -- 40,80, and 160. Are those the bands you use yours on? Or do you
> also use it on 10-30? Where does it seem to work best?
>
> Thanks,
> Earl
>
> --
> KD5XB -- Earl Needham
> Clovis, New Mexico DM84jk
> http://groups.yahoo.com/group/cw_bugs
> Quoting from the Coast Guard: ZUT
>

7437. Re: Those 43-foot verticals...

Yahoo group: ham-antennas (2008)
Date: 2008-12-26 17:44:09 UTC
From: billncolo36
Topic: 7419 Message: 7437

Earl, This is an article worth reading before you decide.

http://www.hamhelpdesk.com/antennas/answer-to-everything-43-feet-antenna.html

Bill N0CU

--- In ham-antennas@yahoogroups.com, "Rick" <QRP_1@...> wrote:
>
> The theory of a vertical being the best depends really on what you want
> it to do. If you want long haul DX work, then a vertical will work
> well but they do need radials to work most efficiently unless they are
> of the half wave variety. If you want mainly close in contacts such as
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> feedline losses are much less because the coax is operating in a
> matched condition.
>
> Nothing magical or special about any of the 30', 43' or 65' verticals
> though - they've been around for years in the homebrew version. The
> commercial guys just finally caught on !
>
> 73
> Rick
> KC8AON
>
> --- In ham-antennas@yahoogroups.com, Earl Needham <needhame1@> wrote:

>
> > I have thought several times over the years about putting up
a
> > vertical. I've always heard that verticals were best on the
lower
> bands
> > -- 40,80, and 160. Are those the bands you use yours on? Or do
you
> > also use it on 10-30? Where does it seem to work best?
> >
> > Thanks,
> > Earl
> >
> > --
> > KD5XB -- Earl Needham
> > Clovis, New Mexico DM84jk
> > http://groups.yahoo.com/group/cw_bugs
> > Quoting from the Coast Guard: ZUT
> >
>

7438. RE: [ham-antennas] 160m with 5 80m elements

Yahoo group: ham-antennas (2008)
Date: 2008-12-26 17:47:58 UTC
From: Richard Schmuke
Topic: 7426 Message: 7438

It did for me but very slow.

Rich

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Joe
Sent: Friday, December 26, 2008 11:25 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] 160m with 5 80m elements

Is it me or does that web page never load?

Its from KE4VYN wrote:

>ARCALA EXTREMES AT OH8X Finishing the 160m 3el YAGI Monster
:)<http://www.ly4a.com/?p=2499>
>
>Today is the shortest day of the year - only three hours of daylight and as
>of yesterday
>
>the Arcala Extremes antenna's last 160M element went up!
>
>After working three weeks straight OH8SR and OH6RM went home for Xmas!
>
>Please note the following technical details;
>
>Tower height 100m
>
>80M and 160M booms 60m
>
>Five (5) 80M full-size elements
>
>
>
>
>
>You note in the picture that OH8SR and OH6RM are working inside the boom.
>
>Poor OH8SR - with 2nd 160M element he was working in a total fog without
>seeing the
>
>ground for 7 hours! He seemingly enjoy working inside of the boom!
>
>The upper slip-ring has such diameter that you can drive thru with Juha's
>large Lexus!.
>

>
>[Non-text portions of this message have been removed]
>
>
>----------
>
>HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
to ALL 1446 members (as of 9/26/08, and attachments are NOT permitted.
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<mailto:ham-antennas%40yahoogroups.com>
>Subscribe: ham-antennas-subscribe@yahoogroups.com
<mailto:ham-antennas-subscribe%40yahoogroups.com>
>Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
<mailto:ham-antennas-unsubscribe%40yahoogroups.com>
>List owner: ham-antennas-owner@yahoogroups.com
<mailto:ham-antennas-owner%40yahoogroups.com>
>Yahoo! Groups Links
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>

[Non-text portions of this message have been removed]

7439. Re: Those 43-foot verticals...

Yahoo group: ham-antennas (2008)
Date: 2008-12-26 18:09:20 UTC
From: Gary
Topic: 7419 Message: 7439

Rich

Good morning.

I have a 43 foot vertical up homemade and I have One of W8AFX eagle
One up I have work VK and JA wirh 50 watts. they are good for dx.

I have phase these two together and work great. I have work HP V32,
on 75 meter at 3995 and with 50 watts go 47 to 53. I am hopeing to
put up a third one up in a few week when I get back hopeing to get
better dx in JA,VK.

My rig is FT-897d 50 watts ATU is a AT-897 it tunes 10 to 75 to 1.3
to 1 on 3.995. 17 meter work good too. 40 meter is great work 1:1 swr

Gary WW8O
>
> The theory of a vertical being the best depends really on what you
want
> it to do. If you want long haul DX work, then a vertical will work
> well but they do need radials to work most efficiently unless they
are
> of the half wave variety. If you want mainly close in contacts
such as
> state wide coverage for nets, emcomm work, and traffic handling,
then a
> low horizontal dipole would be better in most cases.
>

> >
>

7440. MFJ QC and Cust Service

Yahoo group: ham-antennas (2008)
Date: 2008-12-26 18:12:17 UTC
From: RBB
Topic: 7440 Message: 7440

I will agree with the comments on MFJ being pretty decent about fixing their screw-ups. They may not make top-of-the-line gear, but it works, and on the phone--at least--offered me some pretty savvy technical tips on how to repair one of the tuners. And this from Mexico...they paid for the call. 73 XE1GXG www.barnardbaca.com ? ¡Todo sobre Amor y Sexo! La guía completa para tu vida en Mujer de Hoy. http://mx.mujer.yahoo.com/ [Non-text portions of this message have been removed]

7441. Re: [ham-antennas] Re: 160m with 5 80m elements

Yahoo group: ham-antennas (2008)
Date: 2008-12-26 18:43:41 UTC
From: Siegfried Jackstien
Topic: 7426 Message: 7441

this is really a BIG GUN
dg9bfc
----- Original Message -----
From: ke4vyn
To: ham-antennas@yahoogroups.com
Sent: Friday, December 26, 2008 3:25 PM
Subject: [ham-antennas] Re: 160m with 5 80m elements

Done.

They call this amateur radio!

--- In ham-antennas@yahoogroups.com, Jim Coon <liteways@...> wrote:
>
> can you upload a picture?
>
> Its from KE4VYN wrote:
> >
> > ARCALA EXTREMES AT OH8X Finishing the 160m 3el YAGI Monster
> > :)<http://www.ly4a.com/?p=2499 <http://www.ly4a.com/?p=2499>>
> >
> > Today is the shortest day of the year - only three hours of
daylight
> > and as
> > of yesterday
> >
> > the Arcala Extremes antenna's last 160M element went up!
> >
> > After working three weeks straight OH8SR and OH6RM went home for
Xmas!
> >
> > Please note the following technical details;
> >
> > Tower height 100m
> >
> > 80M and 160M booms 60m
> >
> > Five (5) 80M full-size elements
> >
> > You note in the picture that OH8SR and OH6RM are working inside
the boom.
> >
> > Poor OH8SR - with 2nd 160M element he was working in a total fog
without
> > seeing the
> >

> > ground for 7 hours! He seemingly enjoy working inside of the boom!
> >
> > The upper slip-ring has such diameter that you can drive thru
with Juha's
> > large Lexus!.
> >
> > [Non-text portions of this message have been removed]
> >
> >
>

[Non-text portions of this message have been removed]

7442. Re: [ham-antennas] 160m with 5 80m elements

Yahoo group: ham-antennas (2008)
Date: 2008-12-26 18:53:22 UTC
From: Joe
Topic: 7426 Message: 7442

I'm on DSL and after 15 minutes still nothing,

Hmmm,

joe

Richard Schmuke wrote:

>It did for me but very slow.
>
>Rich
>
>
>
>From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On
>Behalf Of Joe
>Sent: Friday, December 26, 2008 11:25 AM
>To: ham-antennas@yahoogroups.com
>Subject: Re: [ham-antennas] 160m with 5 80m elements
>
>
>
>Is it me or does that web page never load?
>
>Its from KE4VYN wrote:
>
>
>
>>ARCALA EXTREMES AT OH8X Finishing the 160m 3el YAGI Monster
>>
>>
>:)<http://www.ly4a.com/?p=2499>
>
>
>>Today is the shortest day of the year - only three hours of daylight and as
>>of yesterday
>>
>>the Arcala Extremes antenna's last 160M element went up!
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>>After working three weeks straight OH8SR and OH6RM went home for Xmas!
>>
>>Please note the following technical details;
>>
>>Tower height 100m
>>
>>80M and 160M booms 60m

>>
>>Five (5) 80M full-size elements
>>
>>
>>
>>
>>
>>You note in the picture that OH8SR and OH6RM are working inside the boom.
>>
>>Poor OH8SR - with 2nd 160M element he was working in a total fog without
>>seeing the
>>
>>ground for 7 hours! He seemingly enjoy working inside of the boom!
>>
>>The upper slip-ring has such diameter that you can drive thru with Juha's
>>large Lexus!.
>>
>>
>>[Non-text portions of this message have been removed]
>>
>>
>>-----
>>
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>>
>>
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>
>
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>>
>>
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>
>
>>Subscribe: ham-antennas-subscribe@yahoogroups.com
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>>
><mailto:ham-antennas-subscribe%40yahoogroups.com>
>
>
>>Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
>>
>>
><mailto:ham-antennas-unsubscribe%40yahoogroups.com>
>
>
>>List owner: ham-antennas-owner@yahoogroups.com
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><mailto:ham-antennas-owner%40yahoogroups.com>
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>>Yahoo! Groups Links
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[Non-text portions of this message have been removed]

7443. Re: [ham-antennas] 160m with 5 80m elements

Yahoo group: ham-antennas (2008)
Date: 2008-12-26 19:16:00 UTC
From: Prasad Agrahar
Topic: 7426 Message: 7443

Remember that is a massive 80m 5 el and 160 m 3 el beam, bothe with 60 m long boom - naturally has to take a long time to load such a massive stuff.
Seriously, it took some 15 or more minutes to load. Photos are not hi-res, no great details but we can make out the beams are massive.

73
-Prasad AB3EH

From: Joe <nss@...>
To: ham-antennas@yahoogroups.com
Sent: Friday, December 26, 2008 12:24:36 PM
Subject: Re: [ham-antennas] 160m with 5 80m elements

Is it me or does that web page never load?

Its from KE4VYN wrote:

>ARCALA EXTREMES AT OH8X Finishing the 160m 3el YAGI Monster
:)<http://www.ly4a.com/?p=2499>
>
>Today is the shortest day of the year - only three hours of daylight and as
>of yesterday
>
>the Arcala Extremes antenna's last 160M element went up!
>
>After working three weeks straight OH8SR and OH6RM went home for Xmas!
>
>Please note the following technical details;
>
>Tower height 100m
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>80M and 160M booms 60m
>
>Five (5) 80M full-size elements
>
>
>
>
>
>You note in the picture that OH8SR and OH6RM are working inside the boom.
>
>Poor OH8SR - with 2nd 160M element he was working in a total fog without
>seeing the
>
>ground for 7 hours! He seemingly enjoy working inside of the boom!

>
>The upper slip-ring has such diameter that you can drive thru with Juha's
>large Lexus!.
>
>
>[Non-text portions of this message have been removed]
>
>
>----------
>
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>List owner: ham-antennas-owner@yahoogroups.com
>Yahoo! Groups Links
>
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>

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Yahoo! Groups Links

[Non-text portions of this message have been removed]

7444. Re: [ham-antennas] 160m with 5 80m elements

Yahoo group: ham-antennas (2008)
Date: 2008-12-26 20:19:28 UTC
From: Its from KE4VYN
Topic: 7426 Message: 7444

People,
You forget that this is just some blokes web page. NOT some high dollar
web site set up to handle 1000's of hits per day.

Even it it was, something as well published and NEW as this will
bring TONS of lookie-loows.

Give the page a rest, it aint going anywhere! Imagine if 1000 people
called your cell phone EVERYDAY just to see if you answer.

It does not matter if you have a TRUE T-3, his site may not be up to the task and
he may be unwilling to spend hundreds of dollars just so you can get a peek at
his hard work.

Do unto other...

Lee
KE4VYN

----- Original Message -----
From: Prasad Agrahar<mailto:ad_prasad@...>
To: ham-antennas@yahoogroups.com<mailto:ham-antennas@yahoogroups.com>
Sent: Friday, December 26, 2008 1:16 PM
Subject: Re: [ham-antennas] 160m with 5 80m elements

Remember that is a massive 80m 5 el and 160 m 3 el beam, bothe with 60 m long boom -
naturally has to take a long time to load such a massive stuff.
Seriously, it took some 15 or more minutes to load. Photos are not hi-res, no great details
but we can make out the beams are massive.

73
-Prasad AB3EH

From: Joe <nss@...<mailto:nss%40mwt.net>>
To: ham-antennas@yahoogroups.com<mailto:ham-antennas%40yahoogroups.com>
Sent: Friday, December 26, 2008 12:24:36 PM
Subject: Re: [ham-antennas] 160m with 5 80m elements

Is it me or does that web page never load?

Its from KE4VYN wrote:

>ARCALA EXTREMES AT OH8X Finishing the 160m 3el YAGI Monster
:)<http://www.ly4a.com/?p=2499<http://www.ly4a.com/?p=2499>>
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>Today is the shortest day of the year - only three hours of daylight and as
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>
>the Arcala Extremes antenna's last 160M element went up!
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>After working three weeks straight OH8SR and OH6RM went home for Xmas!
>
>Please note the following technical details;
>
>Tower height 100m
>
>80M and 160M booms 60m
>
>Five (5) 80M full-size elements
>
>
>
>
>
>You note in the picture that OH8SR and OH6RM are working inside the boom.
>
>Poor OH8SR - with 2nd 160M element he was working in a total fog without
>seeing the
>
>ground for 7 hours! He seemingly enjoy working inside of the boom!
>
>The upper slip-ring has such diameter that you can drive thru with Juha's
>large Lexus!.
>
>
>[Non-text portions of this message have been removed]
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ham-antennas-owner@yahoogroups.com<mailto:ham-antennas-owner%40yahoogroups.com>
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Yahoo! Groups Links

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

7445. Doodle mod to remote tuner

Yahoo group: ham-antennas (2008)
Date: 2008-12-27 06:01:06 UTC
From: Tom Gleeman
Topic: 7445 Message: 7445

Hi Group,

I added some remote sensing to my
vertical antenna tuner. See:

http://groups.yahoo.com/group/ham-antennas/photos/album/402385040/pic/2087035607/view?picmode=large&mode=tn&order=ordinal&start=1&dir=asc

Cheers!

Tom
KE6YNH, 73
San Diego, CA

[Non-text portions of this message have been removed]

7446. Re: MFJ, what a pain in the ____!!!!

Yahoo group: ham-antennas (2008)
Date: 2008-12-27 06:41:18 UTC
From: james27613
Topic: 7380 Message: 7446

hi,

I also own several MFJ items, all worked fine
out of the box and I got what I paid for,
the ordering dept. needs some attention.

Mr. Jun is a real nice guy, he could offshore
all his products and make a lot more money,
however, he has not done this and that is
a good thing.

take a look at the mfj reviews on eham.net
and see for yourself. also parts are sometimes
hard to get from MFJ directly.

even AES has has a customer service problem
this past month, take a look at eham.net
review on aes, they made big error in service
and did stand up to that error on eham.net.

73 james ke4drn

7447. Re: [ham-antennas] Doodle mod to remote tuner

Yahoo group: ham-antennas (2008)
Date: 2008-12-27 06:54:19 UTC
From: Its from KE4VYN
Topic: 7445 Message: 7447

Do you have photos of actual antenna?

----- Original Message -----
From: Tom Gleeman<mailto:tgleeman@...>
To: ham-antennas@yahoogroups.com<mailto:ham-antennas@yahoogroups.com>
Sent: Saturday, December 27, 2008 12:01 AM
Subject: [ham-antennas] Doodle mod to remote tuner

Hi Group,

I added some remote sensing to my
vertical antenna tuner. See:

http://groups.yahoo.com/group/ham-antennas/photos/album/402385040/pic/2087035607/view?picmode=large&mode=tn&order=ordinal&start=1&dir=asc<http://groups.yahoo.com/group/ham-antennas/photos/album/402385040/pic/2087035607/view?picmode=large&mode=tn&order=ordinal&start=1&dir=asc>

Cheers!

Tom
KE6YNH, 73
San Diego, CA

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

7448. Re: [ham-antennas] Doodle mod to remote tuner

Yahoo group: ham-antennas (2008)
Date: 2008-12-27 07:38:29 UTC
From: Tom Gleeman
Topic: 7445 Message: 7448

Hi Lee, KE4VYN and the Group,

You wrote:

Do you have photos of actual antenna?

The actual antenna/tuner at:

http://groups.yahoo.com/group/Shortwave-SWL-Antenna/photos/album/39551603/pic/714940551/view?picmode=large&mode=tn&order=ordinal&start=1&dir=asc

does not exist. I was doodling. Like what people do
when they think on a peace of paper or scribble, while
talking on the phone.

You might call it a digital doodle.

You are welcome to copy and build the
antenna/tuner.

May you become prosperous in the
coming new year!

Tom
KE6YNH, 73
San Diego, CA

[Non-text portions of this message have been removed]

7449. Re: [ham-antennas] Doodle mod to remote tuner

Yahoo group: ham-antennas (2008)
Date: 2008-12-27 10:59:15 UTC
From: patrick.obrien47
Topic: 7445 Message: 7449

HI , May point out that correct spelling of of your (PEACE of paper)
is (PIECE of paper) your peace is like peace of mind or pipe of peace
or peace prize, hope you don't mind the observation.
Patrick GW1SXN

From: "Tom Gleeman" <tgleeman@...>
Sent: Saturday, December 27, 2008 7:38 AM
To: <ham-antennas@yahoogroups.com>
Subject: Re: [ham-antennas] Doodle mod to remote tuner

> Hi Lee, KE4VYN and the Group,
>
> You wrote:
>
> Do you have photos of actual antenna?
>
> The actual antenna/tuner at:
>
> http://groups.yahoo.com/group/Shortwave-SWL-Antenna/photos/album/39551603/pic/714940551/
view?picmode=large&mode=tn&order=ordinal&start=1&dir=asc
>
> does not exist. I was doodling. Like what people do
> when they think on a peace of paper or scribble, while
> talking on the phone.
>
> You might call it a digital doodle.
>
> You are welcome to copy and build the
> antenna/tuner.
>
> May you become prosperous in the
> coming new year!
>
> Tom
> KE6YNH, 73
> San Diego, CA
>
>
>
>
>
>
>
>

>
> [Non-text portions of this message have been removed]
>
>
> ----------
>
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> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>

>
> No virus found in this incoming message.
> Checked by AVG - http://www.avg.com
> Version: 8.0.176 / Virus Database: 270.10.0/1865 - Release Date:
> 26/12/2008 13:01
>

No virus found in this outgoing message.
Checked by AVG - http://www.avg.com
Version: 8.0.176 / Virus Database: 270.10.0/1865 - Release Date: 26/12/2008 13:01

[Non-text portions of this message have been removed]

7450. Re: [ham-antennas] Doodle mod to remote tuner

Yahoo group: ham-antennas (2008)
Date: 2008-12-27 13:22:20 UTC
From: Jim Coon
Topic: 7445 Message: 7450

No, he is correct. Since the doodling calms the mind, the piece of
paper becomes a peace of paper

patrick.obrien47 wrote:
>
> HI , May point out that correct spelling of of your (PEACE of paper)
> is (PIECE of paper) your peace is like peace of mind or pipe of peace
> or peace prize, hope you don't mind the observation.
> Patrick GW1SXN
>
> ---
> From: "Tom Gleeman" <tgleeman@... <mailto:tgleeman%40isp.com>>
> Sent: Saturday, December 27, 2008 7:38 AM
> To: <ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>>
> Subject: Re: [ham-antennas] Doodle mod to remote tuner
>
> > Hi Lee, KE4VYN and the Group,
> >
> > You wrote:
> >
> > Do you have photos of actual antenna?
> >
> > The actual antenna/tuner at:
> >
> >
> http://groups.yahoo.com/group/Shortwave-SWL-Antenna/photos/album/39551603/pic/714940551/
view?picmode=large&mode=tn&order=ordinal&start=1&dir=asc
> <http://groups.yahoo.com/group/Shortwave-SWL-Antenna/photos/album/39551603/pic/714940551
/view?picmode=large&mode=tn&order=ordinal&start=1&dir=asc>
> >
> > does not exist. I was doodling. Like what people do
> > when they think on a peace of paper or scribble, while
> > talking on the phone.
> >
> > You might call it a digital doodle.
> >
> > You are welcome to copy and build the
> > antenna/tuner.
> >
> > May you become prosperous in the
> > coming new year!
> >
> > Tom
> > KE6YNH, 73
> > San Diego, CA

> >
> >
> >
> >
> >
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> >
> >
> > [Non-text portions of this message have been removed]
> >
> >
> > ----------
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> > Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> <mailto:ham-antennas-unsubscribe%40yahoogroups.com>
> > List owner: ham-antennas-owner@yahoogroups.com
> <mailto:ham-antennas-owner%40yahoogroups.com>
> > Yahoo! Groups Links
> >
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> >
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> >
> > No virus found in this incoming message.
> > Checked by AVG - http://www.avg.com <http://www.avg.com>
> > Version: 8.0.176 / Virus Database: 270.10.0/1865 - Release Date:
> > 26/12/2008 13:01
> >
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> Version: 8.0.176 / Virus Database: 270.10.0/1865 - Release Date:
> 26/12/2008 13:01
>
> [Non-text portions of this message have been removed]
>
>

7451. shortned dipoles?

Yahoo group: ham-antennas (2008)
Date: 2008-12-27 13:45:31 UTC
From: wa7dxz@aol.com
Topic: 7451 Message: 7451

Looking ofr opinions on some commercial shortened dipoles.... anyone use them? Comments? Looking for a shortened 80-10 dipole... how much does the performance suffer? The only thing I need 80 for is Navy MARS...mostly i work 40, and some 30, and 10.
I was even thinking of going to a 40 meter dipole, and checking into MARS on that, with tuner...

Bob WA7DXZ
AZ
**********One site keeps you connected to all your email: AOL Mail, Gmail, and Yahoo Mail. Try it now.
(http://www.aol.com/?optin=new-dp&icid=aolcom40vanity&ncid=emlcntaolcom00000025)

[Non-text portions of this message have been removed]

7452. Re: [ham-antennas] shortned dipoles?

Yahoo group: ham-antennas (2008)
Date: 2008-12-27 13:51:14 UTC
From: Leonard K. Pennock
Topic: 7451 Message: 7452

I've had good luck with the Alpha Delta DX-CC. Works better on all
bands than my G5RV that was coil shortened. Only give about 100KHz 2:1
BW on 80/75M and SWR is a little high on 15M since it using 3 harmonic
of 40 for that. I use mine with a LDG tuner and it works on all bands
but SWR on the antenna side is way high on 60M.

wa7dxz@... wrote:
> Looking ofr opinions on some commercial shortened dipoles.... anyone use
> them? Comments? Looking for a shortened 80-10 dipole... how much does the
> performance suffer? The only thing I need 80 for is Navy MARS...mostly i work 40,
> and some 30, and 10.
> I was even thinking of going to a 40 meter dipole, and checking into MARS on
> that, with tuner...
>
> Bob WA7DXZ
> AZ
> **********One site keeps you connected to all your email: AOL Mail,
> Gmail, and Yahoo Mail. Try it now.
> (http://www.aol.com/?optin=new-dp&icid=aolcom40vanity&ncid=emlcntaolcom00000025)
>
>
> [Non-text portions of this message have been removed]
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>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 1446
members (as of 9/26/08, and attachments are NOT permitted.
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> Subscribe: ham-antennas-subscribe@yahoogroups.com
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> Yahoo! Groups Links
>
>
>

--
Leonard K. Pennock
AD7AS

Those who walk bravely through life, unafraid of loss or failure,
find that they very rarely lose or fail.

7453. help with static

Yahoo group: ham-antennas (2008)
Date: 2008-12-27 14:00:00 UTC
From: Ken Snipes
Topic: 7453 Message: 7453

I have several radios in my room, all are hooked to several 10ft ground rods I got from the electrical outlet, and im still having problems with static almost 24/7 can you guys give me hints on what to try and what /where to look for this stuff, im tired of bacon frying every day
Thanks

KD4IEN
10-10# 74734

You can also find me on the WEB at...
KD4IEN on the AOL imer
KD4IEN on MSN Messenger
KD4IEN on Yahoo Messenger
ICQ # 495286420

7454. Re: [ham-antennas] shortned dipoles?

Yahoo group: ham-antennas (2008)
Date: 2008-12-27 14:04:58 UTC
From: Dan Schaaf
Topic: 7451 Message: 7454

I just replaced my G5RV Inverted V with the Alpha Delta DX-LB as an inverted V. So far it seems to work OK, but the bands 160 and 80 have not been too active, so I am still evaluating it. It works well on 60 meters. I use a tuner in the shack.

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com "In the Beginning, there was Spark Gap"

----- Original Message -----
From: wa7dxz@...
To: ham-antennas@yahoogroups.com
Sent: Saturday, December 27, 2008 8:45 AM
Subject: [ham-antennas] shortned dipoles?

Looking ofr opinions on some commercial shortened dipoles.... anyone use them? Comments? Looking for a shortened 80-10 dipole... how much does the performance suffer? The only thing I need 80 for is Navy MARS...mostly i work 40, and some 30, and 10.
I was even thinking of going to a 40 meter dipole, and checking into MARS on that, with tuner...

Bob WA7DXZ
AZ
**********One site keeps you connected to all your email: AOL Mail, Gmail, and Yahoo Mail. Try it now.
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7455. Re: Those 43-foot verticals...

Yahoo group: ham-antennas (2008)
Date: 2008-12-27 14:36:20 UTC
From: David Rose
Topic: 7419 Message: 7455

Hi all from new mwmber,

Just recently saw an ad from Hy-gain for their 6160 43' vertical which according to them needs at least one radial to work. I live on a lot with not alot of room for a full sized dipole to cover (160)80-10m. I like the looks of this vertical and may get one this spring. Then I see an ad from MFJ which nshows what looks to be the same antenna! What gives? Anyone answer this? Thanks.

73

Dave KW1VHigganum, Ct.
kw1v@...

[Non-text portions of this message have been removed]

7456. Re: [ham-antennas] Re: Those 43-foot verticals...

Yahoo group: ham-antennas (2008)
Date: 2008-12-27 14:51:59 UTC
From: Dan Schaaf
Topic: 7419 Message: 7456

MFJ owns teh Hy-Gain company and yes, they are the same antenna. Dual Marketing.

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com "In the Beginning, there was Spark Gap"

----- Original Message -----
From: David Rose
To: ham-antennas@yahoogroups.com
Sent: Saturday, December 27, 2008 9:36 AM
Subject: [ham-antennas] Re: Those 43-foot verticals...

Hi all from new mwmber,

Just recently saw an ad from Hy-gain for their 6160 43' vertical which according to them needs at least one radial to work. I live on a lot with not alot of room for a full sized dipole to cover (160)80-10m. I like the looks of this vertical and may get one this spring. Then I see an ad from MFJ which nshows what looks to be the same antenna! What gives? Anyone answer this? Thanks.

73

Dave KW1VHigganum, Ct.
kw1v@...

[Non-text portions of this message have been removed]

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7457. Re: [ham-antennas] help with static

Yahoo group: ham-antennas (2008)
Date: 2008-12-27 15:00:38 UTC
From: John Lewis
Topic: 7453 Message: 7457

It's difficult to say what the problem is without your doing a few basic tests to see where the interference is coming from.

I'd start with disconnecting the antenna from the radio. Does the interference disappear? If so, it's probably an outside source coming in through your antenna. With the antenna off if you still get the noise, it's in all probability locally generated inside your home.

If it's inside your home, try flipping each individual circuit breaker and see if the noise stops. If it does, it's something associated with that breaker, unplug the items one by one and see which is causing the noise.

Use a portable AM radio set to an empty freq on the lower end of the dial and walk around holding the radio close to sources you think may be causing the noise until the noise increases as you test an individual source.

The above should get you started and the results give the members of the group more to work with...

Thanks.

John
WA6SPA

----- Original Message -----
From: Ken Snipes <kd4ien@...>
To: ham-antennas@yahoogroups.com
Date: Sat, 27 Dec 2008 09:00:00 -0500
Subject: [ham-antennas] help with static

>
> I have several radios in my room, all are hooked to several 10ft
> ground rods I got from the electrical outlet, and im still having
> problems with static almost 24/7 can you guys give me hints on
> what to try and what /where to look for this stuff, im tired of bacon
> frying every day
> Thanks
>
> KD4IEN
> 10-10# 74734
>
> You can also find me on the WEB at...
> KD4IEN on the AOL imer
> KD4IEN on MSN Messenger
> KD4IEN on Yahoo Messenger
> ICQ # 495286420
>
>

>

7458. Re: [ham-antennas] help with static

Yahoo group: ham-antennas (2008)
Date: 2008-12-27 15:42:54 UTC
From: Steve Friis
Topic: 7453 Message: 7458

To start, what band(s) is affected by your static?
What type of antenna are you using?
Have you tried running the receiver on a battery and shutting off power
to the house?
Have you checked the continuity of the shields of any coaxial jumpers?

Have a Happy New Year.

Steve/WM5Z
No one can change the past, but we all influence the future.
Remember, you too can have a computer like a wigwam, No windows, no gates.
Linux User Number 481782

Ken Snipes wrote:
> I have several radios in my room, all are hooked to several 10ft
> ground rods I got from the electrical outlet, and im still having
> problems with static almost 24/7 can you guys give me hints on
> what to try and what /where to look for this stuff, im tired of bacon
> frying every day
> Thanks
>
>
> KD4IEN
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7459. Re: [ham-antennas] Doodle mod to remote tuner

Yahoo group: ham-antennas (2008)
Date: 2008-12-27 16:26:02 UTC
From: Tom Gleeman
Topic: 7445 Message: 7459

Hi Patrick,

Sorry, I was thinking of the Prince of Peace at the time.

Happy new year!

Tom
KE6YNH, 73
San Diego, CA

----- Original Message -----
From: patrick.obrien47
To: ham-antennas@yahoogroups.com
Sent: Saturday, December 27, 2008 2:59 AM
Subject: Re: [ham-antennas] Doodle mod to remote tuner

HI , May point out that correct spelling of of your (PEACE of paper)
is (PIECE of paper) your peace is like peace of mind or pipe of peace
or peace prize, hope you don't mind the observation.
Patrick GW1SXN

From: "Tom Gleeman" <tgleeman@...>
Sent: Saturday, December 27, 2008 7:38 AM
To: <ham-antennas@yahoogroups.com>
Subject: Re: [ham-antennas] Doodle mod to remote tuner

> Hi Lee, KE4VYN and the Group,
>
> You wrote:
>
> Do you have photos of actual antenna?
>
> The actual antenna/tuner at:
>
> http://groups.yahoo.com/group/Shortwave-SWL-Antenna/photos/album/39551603/pic/714940551/
view?picmode=large&mode=tn&order=ordinal&start=1&dir=asc
>
> does not exist. I was doodling. Like what people do
> when they think on a peace of paper or scribble, while
> talking on the phone.
>
> You might call it a digital doodle.
>
> You are welcome to copy and build the
> antenna/tuner.
>

> May you become prosperous in the
> coming new year!
>
> Tom
> KE6YNH, 73
> San Diego, CA
>
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>
> [Non-text portions of this message have been removed]
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> ----------
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> No virus found in this incoming message.
> Checked by AVG - http://www.avg.com
> Version: 8.0.176 / Virus Database: 270.10.0/1865 - Release Date:
> 26/12/2008 13:01
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[Non-text portions of this message have been removed]

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7460. Re: Vertical Yagi for HF ?

Yahoo group: ham-antennas (2008)
Date: 2008-12-27 16:55:11 UTC
From: Paul
Topic: 6385 Message: 7460

All other things (e.g. height of the center of radiation of the antenna) being equal, polarization makes no difference in the Take Off Angle.

When measuring (or calculating) the TOA on a vertical antenna it is usually assumed that the antenna is a monopole sitting on the ground.

If the vertical antenna is a dipole, a few wavelengths above ground the TOA would be the same as for a horizontal dipole at the same height above ground.

Paul - K9ERG

--- In ham-antennas@yahoogroups.com, Joe <nss@...> wrote:
>
> It was amazing at times to see the difference. Like i said rarely was
> the signal the best at perfect horizontal. but don't get me wrong here
> either, it wasnt primarily any other polarity either. It was just
> usually stronger at some rotation other than horizontal,
>
> BUT I also have to admit, not only does the polarity have a play in
> this, but he take off angle of the antenna also.
>
> For my rotating the polarity are you also not adjusting the main lobe
> elevation take off angle also?
>
> Horizontal being at a hugher take off angle than vertical?
>
> Paul wrote:
>
> >Having this knowlege enabled me to make the SEVENTH 10 Meter QSO with
> >Abania on the first day of operation...
> >
> >Knowing that most of the other stations were horizontal and my
> >antenna was vertical, I just waited until the Albanian station was
> >almost pinning my S meter, and threw my call sign into the pile-up.
> >He came back on the first call and told me that mine was the
> >strongest signal he had heard so far that day.
> >

> >I can just imagine the expression on his face when I told him I
was
> >running 15 Watts and I was MOBILE!!! The antenna was a 102" SS
whip.
> >
> >Paul - K9ERG
> >
> >--- In ham-antennas@yahoogroups.com, nss@ wrote:
> >
> >
> >>Finally someone else agrees with me. qsb is polarity related.
> >>
> >>I had a similar arrangement, i has a Mosley TA-33 up 50 feet.
> >>
> >>But i had it also on a U-110 rotor along it's boom. so i could go
> >>
> >>
> >vert,
> >
> >
> >>horiz or anywhere inbetween,
> >>
> >>And rarely ws max sig at when the elements were hoizontal.
> >>
> >>even during a qso it would change
> >>
> >>it was quite amazing to see that 20 db polarity null!
> >>
> >>Joe WB9SBD
> >>
> >>
> >>
> >>
> >>>This can be demonstrated fairly easily...
> >>>
> >>>About 20 years ago I put up a modified "Moonraker 4"; it was
> >>>
> >>>
> >modified
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> >
> >>>to work on 10 Meters.
> >>>
> >>>The antenna was put up so that the two yagis were at 45° to the
> >>>horizon. This significantly reduced the interference from the
> >>>supporting structure.
> >>>
> >>>The feedlines were identical (electrical) lengths of RG-141. This
> >>>ensures the phase shift in the two cables is ans will remain
> >>>identical.

> >>>
> >>>The feedlines wer connected to a switchable phasing network which
> >>>allowed the following polarizations:
> >>>
> >>>Horizontal
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> >>>
> >>>Diagonal (45°)
> >>>
> >>>Diagonal (135°)
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> >>>Right-hand or clockwise circular
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> >>>Left-hand or anti-clockwise circular
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> >>>During periods of heavy QSB (E and F layer propagation) it was
> >>>possible to watch the polarization of the signal rotate as much
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> >>>720 degees as it passed through the ionosphere.
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> >>>The QSB could be eliminated by using either of the two circular
> >>>polarizations.
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> >>>Paul - K9ERG
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> >>>--- In ham-antennas@yahoogroups.com, "Scott Laughlin" <n7net@>
> >>>wrote:
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> >>>>Paul,
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> >>>>I think you're wrong. That's why hf flat top dipoles and
> >>>>
> >>>>
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> >>>>
> >>>>72 de Scott/n7net/qrp

> >>>>
> >>>>--- In ham-antennas@yahoogroups.com, "Paul" <paul_c_g@> wrote:
> >>>>
> >>>>
> >>>>>Antenna polarization is just as important on HF as on VHF/UHF.
> >>>>>
> >>>>>Most of the QSB experienced on HF is caused by the "Faraday
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> [Non-text portions of this message have been removed]
>

7461. Re: [ham-antennas] Re: Vertical Yagi for HF ?

Yahoo group: ham-antennas (2008)
Date: 2008-12-27 16:59:47 UTC
From: Joe
Topic: 6385 Message: 7461

That is far different that many for over 30 years of charts I have seen. especially at lower altitudes, not too many people can put 20 meter beams many wavelengths above the ground, most are lucky if they get 1 wave above.

Paul wrote:

>All other things (e.g. height of the center of radiation of the
>antenna) being equal, polarization makes no difference in the Take
>Off Angle.
>
>When measuring (or calculating) the TOA on a vertical antenna it is
>usually assumed that the antenna is a monopole sitting on the ground.
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>>>>>Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
>>>>>List owner: ham-antennas-owner@yahoogroups.com
>>>>>Yahoo! Groups Links
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>>>HAM ANTENNAS Anything and everything, tell us or ask questions.
>>>
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>Replies go to ALL 1446 members (as of 9/26/08, and attachments are
>NOT permitted.
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>>[Non-text portions of this message have been removed]
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[Non-text portions of this message have been removed]

7462. Another 43 ft antenna Q

Yahoo group: ham-antennas (2008)
Date: 2008-12-27 17:06:30 UTC
From: Rick
Topic: 7462 Message: 7462

With many 43ft type antennas out there,DX Eng through MFJ. What separates them from each other, from the cost view. One is up to 400USD and the other is below 300USD. Why would someone,like myself, pay more for one rather than getting the inexpensive one. The Hygain and the MFJ look identical including the advertisement pictures. Just wondering since we are on this subject,

Rick/WA6ES

7463. RE: [ham-antennas] Another 43 ft antenna Q

Yahoo group: ham-antennas (2008)
Date: 2008-12-27 18:17:52 UTC
From: Jerry Stern
Topic: 7462 Message: 7463

I have the DX Engineering. Look for thickness and grade of the aluminum used. Consider the overall diameter and whether there is a fast taper (keeps it light and rigid) and the quality control reputation of the manufacturer. I painted my camo colors, used the DX engineering radial plate and tilt base and it does well in moderate wind but I can easilty bring it down in literally 1 minute for expected lightning or storms (buy the knurled knobs for the tilt base) . These all suffer from being non-resonant and as I just found out they like a lot of coax feedline at least 100- but better 150 feet so don;t be cheap on low-loss coax... I have about 40 feet coiled up like a poor man's choke right after the tuner. Figure you will have significant losses on 80 and 160m so get an amp

73 Jerry K1JOS

-----Original Message-----
From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Rick
Sent: Saturday, December 27, 2008 12:07 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Another 43 ft antenna Q

With many 43ft type antennas out there,DX Eng through MFJ. What separates them from each other, from the cost view. One is up to 400USD and the other is below 300USD. Why would someone,like myself, pay more for one rather than getting the inexpensive one. The Hygain and the MFJ look identical including the advertisement pictures. Just wondering since we are on this subject,

Rick/WA6ES

[Non-text portions of this message have been removed]

7464. Re: [ham-antennas] Another 43 ft antenna Q

Yahoo group: ham-antennas (2008)
Date: 2008-12-27 19:15:46 UTC
From: Tom Gleeman
Topic: 7462 Message: 7464

Hi Jerry, K1JOS and the Group,

You wrote:

These all suffer from being
non-resonant and as I just found out they like a lot of coax feedline at
least 100- but better 150 feet so don;t be cheap on low-loss coax... I have
about 40 feet coiled up like a poor man's choke right after the tuner.
Figure you will have significant losses on 80 and 160m so get an amp

Those non-resonant, 43 foot verticals, could use an remote antenna tuner
at the *feed point* like my doodle at:

http://groups.yahoo.com/group/ham-antennas/photos/album/402385040/pic/2087035607/view?picmode=large&mode=tn&order=ordinal&start=1&dir=asc

I wonder, outside a *water proofed* MFJ-998, if anyone makes a remote
tuner that handles 1500 watts and mounts at the feed point of the antenna?
Did I say under $2000?

Best regards.

Tom
KE6YNH, 73
San Diego, CA

[Non-text portions of this message have been removed]

7465. Re: [ham-antennas] help with static

Yahoo group: ham-antennas (2008)
Date: 2008-12-27 19:47:17 UTC
From: Ken Snipes
Topic: 7453 Message: 7465

At 10:42 AM 12/27/2008, you wrote:

>To start, what band(s) is affected by your static?

i can hear it on all bands

>What type of antenna are you using?

i have the cobra 10 -160 meter dipole , the top is about 50 ft up and
the ends are at least 20 ft off the grd each leg
I have a G5rv and a 10 meter tuned Antron , and I have a 5BTV, it
seems to come in on all of them.

>Have you tried running the receiver on a battery and shutting off power
>to the house?

2 of my radios i run on recharged deep cells, i unplug the charger
when i turn on the radios, still get the static

>Have you checked the continuity of the shields of any coaxial jumpers?

all coax jumpers are in good shape

>Have a Happy New Year.
>
>Steve/WM5Z

Thanks ALL For your help here... any advice I'll try as soon as
weather & work permits

Could it be coming into the house from the power lines???

KD4IEN
10-10# 74734

You can also find me on the WEB at...
KD4IEN on the AOL imer
KD4IEN on MSN Messenger
KD4IEN on Yahoo Messenger
ICQ # 495286420

7466. Re: [ham-antennas] Another 43 ft antenna Q

Yahoo group: ham-antennas (2008)
Date: 2008-12-27 19:51:17 UTC
From: nharvey113@aol.com
Topic: 7462 Message: 7466

I use a MFJ-927 and it works great, but it's only 200 watts.

I have it mounted inside a plastic container I got a Wallmart.
Power comes in on the center conductor of the coax.

Neil Harvey?? AC6YO

-----Original Message-----
From: Tom Gleeman <tgleeman@...>
To: ham-antennas@yahoogroups.com
Sent: Sat, 27 Dec 2008 11:15 am
Subject: Re: [ham-antennas] Another 43 ft antenna Q

Hi Jerry, K1JOS and the Group,

You wrote:

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non-resonant and as I just found out they like a lot of coax feedline at
least 100- but better 150 feet so don;t be cheap on low-loss coax... I have
about 40 feet coiled up like a poor man's choke right after the tuner.
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I wonder, outside a *water proofed* MFJ-998, if anyone makes a remote
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Did I say under $2000?

Best regards.

Tom
KE6YNH, 73
San Diego, CA

[Non-text portions of this message have been removed]

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7467. Re: help with static

Yahoo group: ham-antennas (2008)
Date: 2008-12-27 19:55:06 UTC
From: Frank MacKenzie-Lamb
Topic: 7453 Message: 7467

Power lines up here in N.E. are notorious for their noise. I vote for the power line noise unless you can gey a UPS the cuts out noise. Failing that, tune your car raio to the lowest AM setting (i.e. 530 AM) and turn up the volume...drive a couple of miles up and down your block/area. If there's an insulator that cracked or out, you will hear that static pick up in volume as you approach it and decreased when you leave the area. A broken insultor could concieveably be quiet a distance from your home but if on the same circuit as yours, I'd call the power company as they have to fix it at no expense to you.
Other possible is interface from a nearby ham.
Good luck

Frank
NG1I

--- In ham-antennas@yahoogroups.com, Ken Snipes <kd4ien@...> wrote:
> Could it be coming into the house from the power lines???

7468. Re: [ham-antennas] Another 43 ft antenna Q

Yahoo group: ham-antennas (2008)
Date: 2008-12-27 21:11:33 UTC
From: Siegfried Jackstien
Topic: 7462 Message: 7468

look for an "aag100" used military tuner ... normaly for a 100w station BUT can handle "a gallon"
very easy
have a nice happy new year
dg9bfc
----- Original Message -----
From: Tom Gleeman
To: ham-antennas@yahoogroups.com
Sent: Saturday, December 27, 2008 8:15 PM
Subject: Re: [ham-antennas] Another 43 ft antenna Q

Hi Jerry, K1JOS and the Group,

You wrote:

These all suffer from being
non-resonant and as I just found out they like a lot of coax feedline at
least 100- but better 150 feet so don;t be cheap on low-loss coax... I have
about 40 feet coiled up like a poor man's choke right after the tuner.
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http://groups.yahoo.com/group/ham-antennas/photos/album/402385040/pic/2087035607/view?picmode=large&mode=tn&order=ordinal&start=1&dir=asc

I wonder, outside a *water proofed* MFJ-998, if anyone makes a remote
tuner that handles 1500 watts and mounts at the feed point of the antenna?
Did I say under $2000?

Best regards.

Tom
KE6YNH, 73
San Diego, CA

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

7469. Re: [ham-antennas] Re: Those 43-foot verticals...

Yahoo group: ham-antennas (2008)
Date: 2008-12-27 22:24:58 UTC
From: harry
Topic: 7419 Message: 7469

It could be the fact that MFJ owns Hy-gain just as MFJ now owns Ameritron.

From: David Rose <kw1v@...>
To: ham-antennas@yahoogroups.com
Sent: Saturday, December 27, 2008 9:36:20 AM
Subject: [ham-antennas] Re: Those 43-foot verticals...

Hi all from new mwmber,

  Just recently saw an ad from Hy-gain for their 6160 43' vertical which according to them needs at least one radial to work. I live on a lot with not alot of room for a full sized dipole to cover (160)80-10m. I like the looks of this vertical and may get one this spring. Then I see an ad from MFJ which nshows what looks to be the same antenna! What gives? Anyone answer this? Thanks.

73

Dave KW1VHigganum, Ct.
kw1v@snet.net

[Non-text portions of this message have been removed]

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 1446 members (as of 9/26/08, and attachments are NOT permitted.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

[Non-text portions of this message have been removed]

7470. Re: [ham-antennas] help with static

Yahoo group: ham-antennas (2008)
Date: 2008-12-27 22:26:26 UTC
From: Phil Bader
Topic: 7453 Message: 7470

Hi, Ken- I like John's idea of flipping individual breakers and note which one quiets the static- Of course, if the breaker you flip goes to your gear, then the quiet doesn't mean you located it! (HI!)
Seriously, I've found this from arcing power pole insulators. A call to the power company would be wise,and they appreciate a heads up before it totally goes bad. These bad pole arcs will be worse in the early morning,late evening due to moisture,dew settling. Quieter in the day.
Phil B
Philip Bader
Polk County School Board
Intercom & Fire Alarm Electronics Systems
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakelandarc.org/
pbader@...

----- Original Message -----
From: Ken Snipes
To: ham-antennas@yahoogroups.com
Sent: Saturday, December 27, 2008 9:00 AM
Subject: [ham-antennas] help with static

I have several radios in my room, all are hooked to several 10ft
ground rods I got from the electrical outlet, and im still having
problems with static almost 24/7 can you guys give me hints on
what to try and what /where to look for this stuff, im tired of bacon
frying every day
Thanks

KD4IEN
10-10# 74734

You can also find me on the WEB at...
KD4IEN on the AOL imer
KD4IEN on MSN Messenger
KD4IEN on Yahoo Messenger
ICQ # 495286420

No virus found in this incoming message.
Checked by AVG - http://www.avg.com
Version: 8.0.176 / Virus Database: 270.10.0/1865 - Release Date: 12/26/2008 1:01 PM

[Non-text portions of this message have been removed]

7471. Re: Those 43-foot verticals...

Yahoo group: ham-antennas (2008)
Date: 2008-12-27 23:39:14 UTC
From: wd4elg_base
Topic: 7419 Message: 7471

> I have thought several times over the years about putting up a
> vertical. I've always heard that verticals were best on the lower
bands
> -- 40,80, and 160. Are those the bands you use yours on? Or do
you
> also use it on 10-30? Where does it seem to work best?
>
> Thanks,
> Earl
>
> --
> KD5XB -- Earl Needham
> Clovis, New Mexico DM84jk
> http://groups.yahoo.com/group/cw_bugs
> Quoting from the Coast Guard: ZUT
>

Semper paratus, Earl (for those non-Coast Guard people, it is the Latin motto for Coast Guard and it means ALWAYS READY)

Earl, the long-winded answer is "it depends." I like having options, and here is the logic I use. I am mostly 100 watts on CW. My goals are to increase my DXCC count to 300 (currently at 250). I also want 9BDXCC.

For all HF bands I have a Buckmaster off-center-fed dipole. This allows me some non-directive medium and high angle capabilities on the lower bands (Caribbean and SA DX) for 40 and 80, but has also given me some good long distance DX when the arrival angle was above 15 degrees (uncommon, but not unheard of, see ARRL Antenna Handbook on signal angle of arrival). The Buckmaster is a good all-around wire antenna, built like a tank, gives me all bands (some with a tuner).

Also for all HF bands, I have an OUTback er Outreach. Not cheap, but very portable and works well, esp on 30 (ZL8R, others).

For 10, I have a Ringo Ranger vertical, but it is disassembled since 10 is only open for sporadic E prop in the summer.

For 17, I have a Par EndFedz half-wave wire. Not much I can hear on 17 with it these days due to poor prop and reduced actvity (relatively), but I have worked about 75 countries since summer of 2007.

For 20, I have a very costly but very productive hex beam. It is on a 32 foot mast, and it rocks. 20 is where the big boys hang out, and

the best all-around DX band. So I decided to splurge and get a durective antenna. WHOA. What a difference! It is wirth every penny. And it is way less visible and smaller than a yagi.

For 30, I have another Par EndFedz which has helped me get to 100 entities worked.

For 40 and 80 I have a Cushcraft MA8040V which works well on 40 (YB1A on 40 meter longpath 3 years ago, lots of EU with 5 watts) and fair on 80 (although I did nap VK9DWX last winter). It is a compromise on 80, but it did get me to 100 worked.

I also have a Par EndFedz for 40, in the shape of an L. It works surprisingly well for a wire (including 3B7C and 5A7A).

Then there is the 43 foot multibander. I bought it to give me low-angle radiation on all bands. I wanted better performance on 80 over the Cushcraft, and 160. I was hoping for some better performance (just a tad) on 40, and then when the sunspots return next year in force I will be ready. Unfortunately, I cannot get on to 160 except with the Buckmaster. It is not designed for 160, but my Kenwood TS570 does tune it and I have worked 15 countries with it. But on 80 it sure does better than anything else. I worked my first JA and ZL on 80 last month (I never even heard these countries on 80 before!). And I worked some tough spots on 80 through pileups: EL, A2. My count is now up to 120 on 80. On 40 it certainly has busted some serious pileups, including VQ9. Nothing else new yet, but I already had 190 worked on 40. On 20, I have easily worked all over, but as mentioned above my main antenna is the hex beam which cannot be beat with a vertical. On 17, 15 I have worked some DX but nothing new (conditions). Nothing worked on 12 or 10 but I have not spent any time on those bands.

I also like switching back and forth between wires and verticals to find the best way to reach a station. This may make a difference with my 100 watts, esp if the station is less than 5000 km distant.

Hope this helps

Mark Lunday
WD4ELG
http://wd4elg.net

7472. ALPHA DELTA DX-LB

Yahoo group: ham-antennas (2008)
Date: 2008-12-28 00:04:29 UTC
From: Mike Check
Topic: 7472 Message: 7472

*Has anyone on the list had any experience with the ALPHA DELTA 160/80/40 SHORTENED DIPOLE ?

I currently have the DX-CC up and can barely fit the DX-LB where it is. The DX-CC performs well on 40 and 80. I want my 160M!

Mike
K5UCQ
*

[Non-text portions of this message have been removed]

7473. Re: [ham-antennas] help with static

Yahoo group: ham-antennas (2008)
Date: 2008-12-28 00:09:23 UTC
From: James Shyrigh
Topic: 7453 Message: 7473

Hi Ken,
If you could please be a little more specific on the noise you are hearing or if possible record it. I would be glad to listen to it and tell you what I think. I don't consider myself an expert but I am a lineman and love to figure these problems out. If it is coming from the power lines, there can be a multitude of things wrong. There are certain characteristics of the noise that can help determine the source of the problem..Sometimes..There are a few things that I would concentrate on to begin with.Dead end Bell Insulators. Those are the insulators that are usually installed horizontally on the side of a cross arm where a power line dead ends or changes direction. If you have these near the house and are made of porcelain and metal I would ask your power company to take a look and listen with their gear if they have it.If that would be the source of the problem, ask for them to replace them with a polymer insulator sometimes called epoxilators.The old
style dead end bells can be quite noisy.Steel sandwiched between porcelain.Electricity will actually discharge along the surface of the bells due to an oxidation layer. Rain actually tends to quiet them down in my findings. Cleaning them and installing clips on the connection point to the pole is only a temporary fix.Loose hardware also can make noise.Such as through bolts, ground wire staples.The time of the noise can have allot to do with weather as well. Loose tie wires holding primary wire to Pin insulators is fairly common as well. That is an easy fix for them.Two other sources of the most common power line noises are Fuses and Lightning arrrestors. The fuses and arrestors are near transformers and other distribution gear that at some point may need to be isolated from a ciruit. Most problems are allot easier to fix than to find though. Faulty gear a long way down the line can radiate in some strange un explainable places.

Again, if possible record the noise and send it my way. I will be glad to do what I can for you and hopefully point you in the direction.
Jim
KC8JPZ

From: Phil Bader <PBADER@...>
To: ham-antennas@yahoogroups.com
Sent: Saturday, December 27, 2008 10:26:26 PM
Subject: Re: [ham-antennas] help with static

Hi, Ken- I like John's idea of flipping individual breakers and note which one quiets the static- Of course, if the breaker you flip goes to your gear, then the quiet doesn't mean you located it! (HI!)
Seriously, I've found this from arcing power pole insulators. A call to the power company would be wise,and they appreciate a heads up before it totally goes bad. These bad pole arcs will be worse in the early morning,late evening due to moisture,dew settling. Quieter in the day.
Phil B
Philip Bader
Polk County School Board

Intercom & Fire Alarm Electronics Systems
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakeland arc.org/
pbader@tampabay. rr.com

----- Original Message -----
From: Ken Snipes
To: ham-antennas@ yahoogroups. com
Sent: Saturday, December 27, 2008 9:00 AM
Subject: [ham-antennas] help with static

I have several radios in my room, all are hooked to several 10ft
ground rods I got from the electrical outlet, and im still having
problems with static almost 24/7 can you guys give me hints on
what to try and what /where to look for this stuff, im tired of bacon
frying every day
Thanks

KD4IEN
10-10# 74734

You can also find me on the WEB at...
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KD4IEN on MSN Messenger
KD4IEN on Yahoo Messenger
ICQ # 495286420

No virus found in this incoming message.
Checked by AVG - http://www.avg. com
Version: 8.0.176 / Virus Database: 270.10.0/1865 - Release Date: 12/26/2008 1:01 PM

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

7474. Re: [ham-antennas] ALPHA DELTA DX-LB

Yahoo group: ham-antennas (2008)
Date: 2008-12-28 00:16:09 UTC
From: DVC3565@aol.com
Topic: 7472 Message: 7474

I have a DX-LB up. I have used it for 4 months. It is at 35 foot on the lower side of my back yard, 22 foot on the upper side of the backyard. It is supported on the side of my tower at 40 foot, which makes it a some what of a small Inverted V.
I feed this with an Icom IC-735 with the AT-150 Auto tuner. The antenna is set from the factory to be resonate at 1.850. My tuner allows me to work 1.775 to 1.880 under 2 to 1 SWR. I am sure IF I could put it up higher the bandwidth would improve some.
Since I put it up, I have worked 23 states & 11 country's on 160...Barefoot!
And this is the first time I have worked 160 since I became a ham in 1966.
But note, you will have a lot more static AND lightning "crashes" on 160.
Good Luck es happy Hamming.

Dave-KJ4PF

In a message dated 12/27/2008 7:04:36 P.M. Eastern Standard Time, k5ucq@... writes:

*Has anyone on the list had any experience with the ALPHA DELTA 160/80/40 SHORTENED DIPOLE ?

I currently have the DX-CC up and can barely fit the DX-LB where it is. The DX-CC performs well on 40 and 80. I want my 160M!

Mike
K5UCQ
*

[Non-text portions of this message have been removed]

**********One site keeps you connected to all your email: AOL Mail, Gmail, and Yahoo Mail. Try it now.
(http://www.aol.com/?optin=new-dp&icid=aolcom40vanity&ncid=emlcntaolcom00000025)

[Non-text portions of this message have been removed]

7475. Re: [ham-antennas] Re: Those 43-foot verticals...

Yahoo group: ham-antennas (2008)
Date: 2008-12-28 00:22:01 UTC
From: Dan Schaaf
Topic: 7419 Message: 7475

I use a vertical on 12, 17, 30 and 40 meters. Works great on these bands. I have a triband yagi for 10,15 , 20

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com "In the Beginning, there was Spark Gap"
==========
NOBSKA
www.nobska.net
==========
Cape Cod Instruments
www.oceanbiz.net
==========
----- Original Message -----
From: wd4elg_base
To: ham-antennas@yahoogroups.com
Sent: Saturday, December 27, 2008 6:39 PM
Subject: [ham-antennas] Re: Those 43-foot verticals...

> I have thought several times over the years about putting up a
> vertical. I've always heard that verticals were best on the lower
bands
> -- 40,80, and 160. Are those the bands you use yours on? Or do
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>
> Thanks,
> Earl
>
> --
> KD5XB -- Earl Needham
> Clovis, New Mexico DM84jk
> http://groups.yahoo.com/group/cw_bugs
> Quoting from the Coast Guard: ZUT
>

Semper paratus, Earl (for those non-Coast Guard people, it is the Latin motto for Coast Guard and it means ALWAYS READY)

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I also have a Par EndFedz for 40, in the shape of an L. It works surprisingly well for a wire (including 3B7C and 5A7A).

Then there is the 43 foot multibander. I bought it to give me low-angle radiation on all bands. I wanted better performance on 80 over the Cushcraft, and 160. I was hoping for some better performance (just a tad) on 40, and then when the sunspots return next year in force I will be ready. Unfortunately, I cannot get on to 160 except with the Buckmaster. It is not designed for 160, but my Kenwood TS570 does tune it and I have worked 15 countries with it. But on 80 it sure does better than anything else. I worked my first JA and ZL on 80 last month (I never even heard these countries on 80 before!). And I worked some tough spots on 80 through pileups: EL, A2. My count is now up to 120 on 80. On 40 it certainly has busted some serious pileups, including VQ9. Nothing else new yet, but I already had 190 worked on 40. On 20, I have easily worked all over, but as mentioned above my main antenna is the hex beam which cannot be beat with a vertical. On 17, 15 I have worked some DX but nothing new (conditions). Nothing worked on 12 or 10 but I have not spent any time on those bands.

I also like switching back and forth between wires and verticals to find the best way to reach a station. This may make a difference with my 100 watts, esp if the station is less than 5000 km distant.

Hope this helps

Mark Lunday
WD4ELG
http://wd4elg.net

[Non-text portions of this message have been removed]

7476. 10 meter wire antenna??

Yahoo group: ham-antennas (2008)
Date: 2008-12-28 01:53:47 UTC
From: wa7dxz@aol.com
Topic: 7476 Message: 7476

I want to work only Ten meters...and I want to use a wire antenna,,, some type of maybe inverted vee. I was thinking... tell me if I am wrong here...I have been told that it is hard to make a half wave dipole resonant on a full wave freq... inother words, a 40 meter antenna wont tune well on 20, but tunes well (close anyway) on 15... SO...
what if I took the measurements of a half wave dipole for Ten,,, then found the longest 1.5 wave multiple I could fit into my yard....would that give me any theoretical "gain" over just he half wave dipole? Longer wire, better signal? And then fine tune it to resonate on the freq I want on Ten?
So at 28.1 mhz,,, a half wave is 16.5 ft,,, X 3 = 50 ft... X 5 =83 feet... roughly 42 feet on a side... I could get that into my yard...
Would the 83 footer (which is now resonant on 28.1) work better than a standard quarter wave, it should, shouldn't it?
OR... put up a 100 foot dipole, and use a tuner... which is better, the resonant 83 footer or the 100 footer that I have to put through a tuner...
WA7DXZ
Bob
**********One site keeps you connected to all your email: AOL Mail, Gmail, and Yahoo Mail. Try it now.
(http://www.aol.com/?optin=new-dp&icid=aolcom40vanity&ncid=emlcntaolcom00000025)

[Non-text portions of this message have been removed]

7477. Re: 10 meter wire antenna??

Yahoo group: ham-antennas (2008)
Date: 2008-12-28 02:14:32 UTC
From: wd4elg_base
Topic: 7476 Message: 7477

Bob

Good logic, but it does not quite work like that.

You could build a 64 foot doublet and feed with 450 ohm ladder line and this would work on several bands. But the gain comes from directing the energy, which happens in a yagi design.

My first question is, why 10 meters? We are at the bottom of the sunspot cycle and there is virtually no activity (except for summer sporadic E and some contests). Why not 20 or 40 meters?

Mark Lunday
WD4ELG
http://wd4elg.net

7478. Re: [ham-antennas] help with static

Yahoo group: ham-antennas (2008)
Date: 2008-12-28 02:24:17 UTC
From: Steve Friis
Topic: 7453 Message: 7478

With what you are telling me the source of your noise is external to your house, but ONLY if you totally removed power to your house at the meter entry switch and ran the radio from the battery.

The next step would be to go mobile and see if you can find it's location outside the house.

If it is power line noise, and you can locate the source, the service company can fix it. If it is something like a store's neon sign, you might have to negotiate with them to get the problem fixed.

The ARRL has several informative pages on this problem both in their books and on their web site. For assistance, I also recommend that you get assistance from your local ham radio club. Many of the members might already have gone through what you are.

Have a Happy New Year.

Steve/WM5Z
No one can change the past, but we all influence the future.
Remember, you too can have a computer like a wigwam, No windows, no gates.
Linux User Number 481782

Ken Snipes wrote:
> At 10:42 AM 12/27/2008, you wrote:
>
>
>> To start, what band(s) is affected by your static?
>>
>
> i can hear it on all bands
>
>
>> What type of antenna are you using?
>>
>
> i have the cobra 10 -160 meter dipole , the top is about 50 ft up and
> the ends are at least 20 ft off the grd each leg
> I have a G5rv and a 10 meter tuned Antron , and I have a 5BTV, it
> seems to come in on all of them.
>
>
>> Have you tried running the receiver on a battery and shutting off power
>> to the house?
>>
>

> 2 of my radios i run on recharged deep cells, i unplug the charger
> when i turn on the radios, still get the static
>
>
>> Have you checked the continuity of the shields of any coaxial jumpers?
>>
>
> all coax jumpers are in good shape
>
>
>> Have a Happy New Year.
>>
>> Steve/WM5Z
>>
>
> Thanks ALL For your help here... any advice I'll try as soon as
> weather & work permits
>
> Could it be coming into the house from the power lines???
>
>
>
>
>
>
> KD4IEN
> 10-10# 74734
>
> You can also find me on the WEB at...
> KD4IEN on the AOL imer
> KD4IEN on MSN Messenger
> KD4IEN on Yahoo Messenger
> ICQ # 495286420
>
>
>
> ---
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 1446 members (as of 9/26/08, and attachments are NOT permitted.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
>
>

7479. RE: [ham-antennas] 10 meter wire antenna??

Yahoo group: ham-antennas (2008)
Date: 2008-12-28 03:14:24 UTC
From: Richard Schmuke
Topic: 7476 Message: 7479

Bob , it will work but if you are going to use coax you will need to make it a little longer. The wire has an end effect so the last 1/4 wave is figured at 234/FMH but the other two are closer to 247/FMH.

You could go out to ☐5/8 wave each side as a EDZ for more gain with a ladder stub feed then coax to the shack.

Rich , KDØZZ

Disclaimer: Any errors in spelling or facts are transmission errors.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of wa7dxz@...
Sent: Saturday, December 27, 2008 7:54 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] 10 meter wire antenna??

I want to work only Ten meters...and I want to use a wire antenna,,, some type of maybe inverted vee. I was thinking... tell me if I am wrong here...I

have been told that it is hard to make a half wave dipole resonant on a full

wave freq... inother words, a 40 meter antenna wont tune well on 20, but tunes
well (close anyway) on 15... SO...
what if I took the measurements of a half wave dipole for Ten,,, then found the longest 1.5 wave multiple I could fit into my yard....would that give me

any theoretical "gain" over just he half wave dipole? Longer wire, better signal? And then fine tune it to resonate on the freq I want on Ten?
So at 28.1 mhz,,, a half wave is 16.5 ft,,, X 3 = 50 ft... X 5 =83 feet... roughly 42 feet on a side... I could get that into my yard...
Would the 83 footer (which is now resonant on 28.1) work better than a standard quarter wave, it should, shouldn't it?
OR... put up a 100 foot dipole, and use a tuner... which is better, the resonant 83 footer or the 100 footer that I have to put through a tuner...
WA7DXZ
Bob
**********One site keeps you connected to all your email: AOL Mail, Gmail, and Yahoo Mail. Try it now.
(http://www.aol.com/?optin=new-dp
<http://www.aol.com/?optin=new-dp&icid=aolcom40vanity&ncid=emlcntaolcom00000025> &icid=aolcom40vanity&ncid=emlcntaolcom00000025)

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

7480. Re: [ham-antennas] 10 meter wire antenna??

Yahoo group: ham-antennas (2008)
Date: 2008-12-28 12:39:27 UTC
From: Siegfried Jackstien
Topic: 7476 Message: 7480

it depends ..... you only want to use it on 10 so the resonant one will be a bit better
no tuner needed so no tuner losses

if you want to go multiband you should use ladderline
if you have high swr on the feedingline you will have much loss in the coax so ladderline
is better

the resonant one (83 footer) will have some gain but narrower beamwith
so maybe less stations to work with..

what about a cb antenna ??? shorten it a bit and you are ready for 10m
there are cheap yagis for cb on the market and can easy be cutted to work on 10

best 73´s de dg9bfc
sigi
----- Original Message -----
From: wa7dxz@...
To: ham-antennas@yahoogroups.com
Sent: Sunday, December 28, 2008 2:53 AM
Subject: [ham-antennas] 10 meter wire antenna??

I want to work only Ten meters...and I want to use a wire antenna,,, some
type of maybe inverted vee. I was thinking... tell me if I am wrong here...I
have been told that it is hard to make a half wave dipole resonant on a full
wave freq... inother words, a 40 meter antenna wont tune well on 20, but tunes
well (close anyway) on 15... SO...
what if I took the measurements of a half wave dipole for Ten,,, then found
the longest 1.5 wave multiple I could fit into my yard....would that give me
any theoretical "gain" over just he half wave dipole? Longer wire, better
signal? And then fine tune it to resonate on the freq I want on Ten?
So at 28.1 mhz,,, a half wave is 16.5 ft,,, X 3 = 50 ft... X 5 =83 feet...
roughly 42 feet on a side... I could get that into my yard...
Would the 83 footer (which is now resonant on 28.1) work better than a
standard quarter wave, it should, shouldn't it?
OR... put up a 100 foot dipole, and use a tuner... which is better, the
resonant 83 footer or the 100 footer that I have to put through a tuner...
WA7DXZ
Bob
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Gmail, and Yahoo Mail. Try it now.
(http://www.aol.com/?optin=new-dp&icid=aolcom40vanity&ncid=emlcntaolcom00000025)

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[Non-text portions of this message have been removed]

7481. End fed matching network problems

Yahoo group: ham-antennas (2008)
Date: 2008-12-28 13:29:36 UTC
From: Kim
Topic: 7481 Message: 7481

I'm trying to build a matching network for a one half wave end fed antenna and if fact have built three over the past two months but neither has resonated. I figure it's about time to ask for help. The antenna wire runs down to the stator (hot side of the capacitor). The capacitor is in parallel to an iron core form that has about 15 turns on the primary, with 2 turns on the secondary, one end connected to the inner conductor and the other to the shield of the coax leading to the radio. Each way I do this I get infinite impedance at all test frequencies no matter how I tune the capacitor.

Question: Does the coil have to be wound with magnet wire? I've seen pictures of coils wound with 22 gauge hookup wire. The other possibility is I am misinformed about the connection points on the capacitor. Any assistance would be appreciated.

AB7JK

7482. RE: [ham-antennas] End fed matching network problems

Yahoo group: ham-antennas (2008)
Date: 2008-12-28 15:45:49 UTC
From: Richard Schmuke
Topic: 7481 Message: 7482

I am not sure about your ☐Iron Core Form☐. I assume you mean iron-powder , you did not say if it is a rod or toroidal form. You also must have the right material type for the frequency you are working with. Many types of iron core forms are for power supplies and won☐t work with radio frequency RF. A rough guide is the red or type #2 ones for most HF bands , you can use the yellow for the higher HF bands.

Magnet wire is not needed. It is handy to hold it shape while making on the smaller 100 to 300w sizes , I used Teflon coated stranded wire on the Kw sizes. For a T-106 or T-200 size I use magnet wire .

Rich , KDØZZ

Disclaimer: Any errors in spelling or facts are transmission errors.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Kim
Sent: Sunday, December 28, 2008 7:30 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] End fed matching network problems

I'm trying to build a matching network for a one half wave end fed antenna and if fact have built three over the past two months but neither has resonated. I figure it's about time to ask for help. The antenna wire runs down to the stator (hot side of the capacitor). The capacitor is in parallel to an iron core form that has about 15 turns on the primary, with 2 turns on the secondary, one end connected to the inner conductor and the other to the shield of the coax leading to the radio. Each way I do this I get infinite impedance at all test frequencies no matter how I tune the capacitor.

Question: Does the coil have to be wound with magnet wire? I've seen pictures of coils wound with 22 gauge hookup wire. The other possibility is I am misinformed about the connection points on the capacitor. Any assistance would be appreciated.

AB7JK

[Non-text portions of this message have been removed]

7483. Looking for a good (inexpensive) Greyline program. Suggestions?

Yahoo group: ham-antennas (2008)
Date: 2008-12-28 15:50:03 UTC
From: billncolo36
Topic: 7483 Message: 7483

Thanks,
Bill N0CU

7484. ladderline and metal towers

Yahoo group: ham-antennas (2008)
Date: 2008-12-28 16:54:59 UTC
From: wa7dxz@aol.com
Topic: 7484 Message: 7484

A ladderline question... I have a Rohn type tower,,, I'd like to put a dipole on top of it, and use ladderline...I am worried about the tower affecting the ladderline.
How far do I have to off set the ladderline from the tower, I'd like to bring it down the side of the tower...I assume that encasing it in PVC pipe would do no good either. ?
If I have a 35 ft tower, and bring it down at an angle away from the tower...how far away is the minimum I could get by with? Two feet? Less?
Bob in AZ
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(http://www.aol.com/?optin=new-dp&icid=aolcom40vanity&ncid=emlcntaolcom00000025)

[Non-text portions of this message have been removed]

7485. Telescoping Multiband Omnidirectional Vertical Antenna Idea - Is it workable?

Yahoo group: ham-antennas (2008)
Date: 2008-12-28 16:56:03 UTC
From: kugellagers
Topic: 7485 Message: 7485

Hello,

First post here. All things RF related have been one of my many hobbies since I received an old 5-tube 1950's Zenith AM radio from my grandmother when I was a kid. I like old tube communication equipment and old amture radios as well as the new equipment. I readily read papers on antennas and have constructed various SW, 10m, CB, WiFi, MURS antennas over the last few years. I am currently studing for the Techicians ham license.

Anyway,

My wife does not want a huge forest of antennas on our roof and I really do not either. I have been mulling over the idea of constructing a 1/4 wave omnidirectional vertical multiband telescoping antenna that I can raise through the roof when I want to Rx/Tx in 6m-20m once I get my ham license or just do a little light monitoring in the SW and other bands with my SP-600. The idea is to construct the antenna out of copper and brass tubing run up through a 2-floor open space we have in between the walls and raise and lower it to various 1/4 wave heights by a pully system. The intended radiating lengths will be adjustable between roughly about 6ft and 24ft.

The coax connection will be on the roof and will make contact with the radiating portion of the antenna above the connection by means of a spring loaded contact I have devised. There will be a ground/radial system with various 1/4 wave radials for the different bands arrayed just below the coax contact point on the roof (I have used this with good success for simple 1/4 wave 11m (and MURS)roof-antennas - based on theory by Jerry Sevick). I intend for the remainder of the non-radiating antenna (below the connection point)to pass down into a PVC pipe which itself is inside a larger diameter steel electrical conduit that it well grounded. I intend to adjust the frequency band and SWR for each band by raising and lower the antenna as mentioned previously. The impedance of the 1/4 wave antenna should be around 50 ohms with adequate number of 1/4 wave radials.

Will the pipe within pipe design properly shield the unused portion of the antenna from radiating? Will the antenna only radiate above the feed point that is not encased inside the other pipe? Is my thinking on using the PVC within steel conduit to shield the unused portion of the antenna correct for what I would like to do?

I do not want to buy an antenna and enjoy the tinkering of coming up with some new design - heck that's half the fun the RF hobbies.

Please let me know if any clarification on what I am describing is needed.

Thanks,
John
];')

7486. Re: 10 meter wire antenna??

Yahoo group: ham-antennas (2008)
Date: 2008-12-28 17:02:39 UTC
From: al_kozakiewicz
Topic: 7476 Message: 7486

Not to be too picky, but effective gain can come even from a simple dipole by hanging it high. This lowers the takeoff angle and radiation off the ends of the wire making it less omnidirectional.

Al
AB2ZY

> this would work on several bands. But the gain comes from directing
> the energy, which happens in a yagi design.

7487. RE: [ham-antennas] ladderline and metal towers

Yahoo group: ham-antennas (2008)
Date: 2008-12-28 17:49:55 UTC
From: James M.(Jim) Geidl
Topic: 7484 Message: 7487

Bob,

I have no empirical information but from my reading I think they say it needs to be 3 times the width of the ladder line away from metal objects. I would guess that 6" would be adequate.

Jim, K6JMG
www.spinochio.com

//

> [mailto:ham-antennas@yahoogroups.com] On Behalf Of wa7dxz@...
> Sent: Sunday, December 28, 2008 8:55 AM
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] ladderline and metal towers
>
> A ladderline question... I have a Rohn type tower,,, I'd like
> to put a dipole on top of it, and use ladderline...I am
> worried about the tower affecting the ladderline.
> How far do I have to off set the ladderline from the tower,
> I'd like to bring it down the side of the tower...I assume
> that encasing it in PVC pipe would do no good either. ?
> If I have a 35 ft tower, and bring it down at an angle away
> from the tower...how far away is the minimum I could get by
> with? Two feet? Less?
> Bob in AZ

7488. Re: [ham-antennas] Looking for a good (inexpensive) Greyline program. Suggestions?

Yahoo group: ham-antennas (2008)
Date: 2008-12-28 17:51:01 UTC
From: Kevin Morgan
Topic: 7483 Message: 7488

billncolo36 wrote:
> Thanks,
> Bill N0CU
>
>
N1MM's logger program is free and has a gray line program bundled with it.

73, Kevin AB2ZI

--
Kevin J. Morgan AB2ZI <kmorgan6@...>

My Webshots Photos http://community.webshots.com/user/kmorgan631

7489. RE: [ham-antennas] Looking for a good (inexpensive) Greyline program. Suggestions?

Yahoo group: ham-antennas (2008)
Date: 2008-12-28 17:55:37 UTC
From: James M.(Jim) Geidl
Topic: 7483 Message: 7489

Bill,

You might like the one at the end of this link.

http://dx.qsl.net/propagation/greyline.html

Jim, K6JMG
www.spinochio.com

//

> [mailto:ham-antennas@yahoogroups.com] On Behalf Of billncolo36
> Sent: Sunday, December 28, 2008 7:50 AM
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] Looking for a good (inexpensive)
> Greyline program. Suggestions?
>
> Thanks,
> Bill N0CU

7490. Re: [ham-antennas] Looking for a good (inexpensive) Greyline program. Suggestions?

Yahoo group: ham-antennas (2008)
Date: 2008-12-28 17:56:29 UTC
From: Dan Schaaf
Topic: 7483 Message: 7490

Go to www.dxatlas.com download DXAtlas.

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com "In the Beginning, there was Spark Gap"

----- Original Message -----
From: Kevin Morgan
To: ham-antennas@yahoogroups.com
Sent: Sunday, December 28, 2008 12:51 PM
Subject: Re: [ham-antennas] Looking for a good (inexpensive) Greyline program. Suggestions?

billncolo36 wrote:
> Thanks,
> Bill N0CU
>
>
N1MM's logger program is free and has a gray line program bundled with it.

73, Kevin AB2ZI

--
Kevin J. Morgan AB2ZI <kmorgan6@...>

My Webshots Photos http://community.webshots.com/user/kmorgan631

[Non-text portions of this message have been removed]

7491. Re: [ham-antennas] Re: 10 meter wire antenna??

Yahoo group: ham-antennas (2008)
Date: 2008-12-28 17:59:41 UTC
From: wa7dxz@aol.com
Topic: 7476 Message: 7491

Someone said that gain comes from directing the signal...(yagi idea) very true, but it simply makes sense that you hear more with more wire... I can't imagine anyone saying that you hear as well with a one foot wire antenna as a 83 foot wire antenna... in other words, I still think, common sense tells me, that a 5 WL WL dipole might hear more than a .5 WL dipole.
But again, I could be wrong.
But again, like someone said, why not just go with my 83 feet, feed it with ladderline, and a tuner, and have all band capability. That is probably the best answer.
Bob
**********One site keeps you connected to all your email: AOL Mail, Gmail, and Yahoo Mail. Try it now.
(http://www.aol.com/?optin=new-dp&icid=aolcom40vanity&ncid=emlcntaolcom00000025)

[Non-text portions of this message have been removed]

7492. Re: [ham-antennas] Telescoping Multiband Omnidirectional Vertical Antenna Ide...

Yahoo group: ham-antennas (2008)
Date: 2008-12-28 18:03:16 UTC
From: wa7dxz@aol.com
Topic: 7492 Message: 7492

Wow, I dont know if it will work, but very interesting idea. I would wonder about the viability of the spring contact... will it contact well enough?
But neat idea, whether it works or not.
Bob
**********One site keeps you connected to all your email: AOL Mail, Gmail, and Yahoo Mail. Try it now.
(http://www.aol.com/?optin=new-dp&icid=aolcom40vanity&ncid=emlcntaolcom00000025)

[Non-text portions of this message have been removed]

7493. Re: [ham-antennas] Re: 10 meter wire antenna??

Yahoo group: ham-antennas (2008)
Date: 2008-12-28 18:14:11 UTC
From: Chuck Schultz
Topic: 7476 Message: 7493

Try it for yourself . Cut a wire for one wave lenth and then add to that any random length that is switchable in/out. Now just listen ! More may not be better or this may add new meaning to quality not quanity for you. Have fun !!! Chuck Wq5B
----- Original Message -----
From: wa7dxz@...
To: ham-antennas@yahoogroups.com
Sent: Sunday, December 28, 2008 11:59 AM
Subject: Re: [ham-antennas] Re: 10 meter wire antenna??

Someone said that gain comes from directing the signal...(yagi idea) very
true, but it simply makes sense that you hear more with more wire... I can't
imagine anyone saying that you hear as well with a one foot wire antenna as a
83 foot wire antenna... in other words, I still think, common sense tells
me, that a 5 WL WL dipole might hear more than a .5 WL dipole.
But again, I could be wrong.
But again, like someone said, why not just go with my 83 feet, feed it with
ladderline, and a tuner, and have all band capability. That is probably the
best answer.
Bob
**********One site keeps you connected to all your email: AOL Mail,
Gmail, and Yahoo Mail. Try it now.
(http://www.aol.com/?optin=new-dp&icid=aolcom40vanity&ncid=emlcntaolcom00000025)

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

7494. Re: [ham-antennas] Re: 10 meter wire antenna??

Yahoo group: ham-antennas (2008)
Date: 2008-12-28 18:22:58 UTC
From: Joe
Topic: 7476 Message: 7494

wa7dxz@... wrote:

>Someone said that gain comes from directing the signal...(yagi idea) very
>true,
>
True

> but it simply makes sense that you hear more with more wire... I can't
>imagine anyone saying that you hear as well with a one foot wire antenna as a
>83 foot wire antenna... in other words, I still think, common sense tells
>me, that a 5 WL WL dipole might hear more than a .5 WL dipole.
>But again, I could be wrong.
>
>
All depends on where you want to listen, Yes a longer antenna will have
Gain, but in only certain directions. At a sacrifise to other directions.
The best example I got more than 30 years ago was this.

Concider your signal on transmit. the recieve pattern is exactly the
same by the way , it can not be different.

You have "X" amount of power. Period,

The isotropic antenna, (does not exist) radiated equally in all
directions, but a diploe has apattern looks like a figure 8 broadside
to the antenna. or in a 3 D model it looks like a doughnut.

A 1.5 wave dipole has gain yes, and is resonant too, but the pattern
now looks like a 4 leaf clover. So instead of max gain being broadside
to the antenna, it now has to lobes that are like 45 degrees to each
side of the dioploe. and max sig is no longer broadside to the dipole.

Extending the wire even longer starts to split these lobes into further
lobes and further towards the end of the diploe.

All this keeps concentrating the signal into a smaller and smaller
area, hence the gain.

r think of it this way,, think of you signal as water from a hose.

say your power is equal to 1 gallon per minute,

With a sprinkler head attached to the end of the hose, you have a wide
pattern of the "Power" being spread out evenly over a wide area. (the
dipole) but change the pattern to concentrate the water into a more
tight stream, (fire hose adapter?) the apparant power is much stronger
now. (In only one direction) still same popwer output 1 gallon per
minute. but it seems stronger and it is stronger in the desired

direction. at a sacrifise to other directions. Just like the yagi.

Anytime you have "Gain" you Must loose signal in other directions.
period. you can not create more energy.

>But again, like someone said, why not just go with my 83 feet, feed it with
>ladderline, and a tuner, and have all band capability. That is probably the
>best answer.
>Bob
>**********One site keeps you connected to all your email: AOL Mail,
>Gmail, and Yahoo Mail. Try it now.
>(http://www.aol.com/?optin=new-dp&icid=aolcom40vanity&ncid=emlcntaolcom00000025)
>
>
>[Non-text portions of this message have been removed]
>
>
>----------
>
>HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 1446
members (as of 9/26/08, and attachments are NOT permitted.
>Post message: ham-antennas@yahoogroups.com
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7495. Re: [ham-antennas] Telescoping Multiband Omnidirectional Vertical Antenna Idea - Is it workable?

Yahoo group: ham-antennas (2008)
Date: 2008-12-28 17:34:46 UTC
From: jeff
Topic: 7485 Message: 7495

On Sun, 2008-12-28 at 16:56 +0000, kugellagers wrote:

> Anyway,
>
> My wife does not want a huge forest of antennas on our roof

I suspect this is the larger issue :)

If she's a particularly nice wife, you could probably get some nice tube gear in trade - maybe even an R390!

7496. RE: [ham-antennas] Telescoping Multiband Omnidirectional Vertical Antenna Idea - Is it workable?

Yahoo group: ham-antennas (2008)
Date: 2008-12-28 18:26:07 UTC
From: Richard Schmuke
Topic: 7485 Message: 7496

Hello John,

Glad to hear from someone who would rather build than buy
,for me that is the fun part.

I am not real clear on your feeding point for your antenna but if you are thinking about a sliding feed point, say a roller or a BeCu spring, you can make it work at a set frequency at the point of highest extension but if you lower the antenna from the set point that is resonate the unused part becomes a variable capacitor to the grounded pipe EMT it will be in . I don□t think that will work for transmitting but I am not sure, any ideas guys???.

Rich , KDØZZ

Disclaimer: Any errors in spelling or facts are transmission errors.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of kugellagers
Sent: Sunday, December 28, 2008 10:56 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Telescoping Multiband Omnidirectional Vertical Antenna Idea - Is it workable?

Hello,

First post here. All things RF related have been one of my many hobbies since I received an old 5-tube 1950's Zenith AM radio from my grandmother when I was a kid. I like old tube communication equipment and old amture radios as well as the new equipment. I readily read papers on antennas and have constructed various SW, 10m, CB, WiFi, MURS antennas over the last few years. I am currently studing for the Techicians ham license.

Anyway,

My wife does not want a huge forest of antennas on our roof and I really do not either. I have been mulling over the idea of constructing a 1/4 wave omnidirectional vertical multiband telescoping antenna that I can raise through the roof when I want to Rx/Tx in 6m-20m once I get my ham license or just do a little light monitoring in the SW and other bands with my SP-600. The idea is to construct the antenna out of copper and brass tubing run up through a 2-floor open space we have in between the walls and raise and lower it to various 1/4 wave heights by a pully system. The intended radiating lengths will be adjustable between roughly about 6ft and

24ft.

The coax connection will be on the roof and will make contact with the radiating portion of the antenna above the connection by means of a spring loaded contact I have devised. There will be a ground/radial system with various 1/4 wave radials for the different bands arrayed just below the coax contact point on the roof (I have used this with good success for simple 1/4 wave 11m (and MURS)roof-antennas - based on theory by Jerry Sevick). I intend for the remainder of the non-radiating antenna (below the connection point)to pass down into a PVC pipe which itself is inside a larger diameter steel electrical conduit that it well grounded. I intend to adjust the frequency band and SWR for each band by raising and lower the antenna as mentioned previously. The impedance of the 1/4 wave antenna should be around 50 ohms with adequate number of 1/4 wave radials.

Will the pipe within pipe design properly shield the unused portion of the antenna from radiating? Will the antenna only radiate above the feed point that is not encased inside the other pipe? Is my thinking on using the PVC within steel conduit to shield the unused portion of the antenna correct for what I would like to do?

I do not want to buy an antenna and enjoy the tinkering of coming up with some new design - heck that's half the fun the RF hobbies.

Please let me know if any clarification on what I am describing is needed.

Thanks,
John
];')

[Non-text portions of this message have been removed]

7497. Re: [ham-antennas] ladderline and metal towers

Yahoo group: ham-antennas (2008)
Date: 2008-12-28 19:02:09 UTC
From: Siegfried Jackstien
Topic: 7484 Message: 7497

i think 5 times the ladderline width is enought
dg9bfc
----- Original Message -----
From: wa7dxz@...
To: ham-antennas@yahoogroups.com
Sent: Sunday, December 28, 2008 5:54 PM
Subject: [ham-antennas] ladderline and metal towers

A ladderline question... I have a Rohn type tower,,, I'd like to put a dipole on top of it, and use ladderline...I am worried about the tower affecting the ladderline.
How far do I have to off set the ladderline from the tower, I'd like to bring it down the side of the tower...I assume that encasing it in PVC pipe would do no good either. ?
If I have a 35 ft tower, and bring it down at an angle away from the tower...how far away is the minimum I could get by with? Two feet? Less?
Bob in AZ
**********One site keeps you connected to all your email: AOL Mail, Gmail, and Yahoo Mail. Try it now.
(http://www.aol.com/?optin=new-dp&icid=aolcom40vanity&ncid=emlcntaolcom00000025)

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

7498. Re: [ham-antennas] Re: 10 meter wire antenna??

Yahoo group: ham-antennas (2008)
Date: 2008-12-28 20:17:32 UTC
From: Steve Friis
Topic: 7476 Message: 7498

What you are looking for is called "capture area." Yes, gain comes from
more than just directionality.

Have a Happy New Year.

Steve/WM5Z
No one can change the past, but we all influence the future.
Remember, you too can have a computer like a wigwam, No windows, no gates.
Linux User Number 481782

wa7dxz@... wrote:
> Someone said that gain comes from directing the signal...(yagi idea) very
> true, but it simply makes sense that you hear more with more wire... I can't
> imagine anyone saying that you hear as well with a one foot wire antenna as a
> 83 foot wire antenna... in other words, I still think, common sense tells
> me, that a 5 WL WL dipole might hear more than a .5 WL dipole.
> But again, I could be wrong.
> But again, like someone said, why not just go with my 83 feet, feed it with
> ladderline, and a tuner, and have all band capability. That is probably the
> best answer.
> Bob
> **********One site keeps you connected to all your email: AOL Mail,
> Gmail, and Yahoo Mail. Try it now.
> (http://www.aol.com/?optin=new-dp&icid=aolcom40vanity&ncid=emlcntaolcom00000025)
>
>
> [Non-text portions of this message have been removed]
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 1446
members (as of 9/26/08, and attachments are NOT permitted.
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7499. Re: [ham-antennas] Re: 10 meter wire antenna??

Yahoo group: ham-antennas (2008)
Date: 2008-12-28 21:58:53 UTC
From: Jim Coon
Topic: 7476 Message: 7499

a good ilustration Joe

Joe wrote:
>
>
>
> wa7dxz@... <mailto:wa7dxz%40aol.com> wrote:
>
> >Someone said that gain comes from directing the signal...(yagi idea)
> very
> >true,
> >
> True
>
> > but it simply makes sense that you hear more with more wire... I can't
> >imagine anyone saying that you hear as well with a one foot wire
> antenna as a
> >83 foot wire antenna... in other words, I still think, common sense
> tells
> >me, that a 5 WL WL dipole might hear more than a .5 WL dipole.
> >But again, I could be wrong.
> >
> >
> All depends on where you want to listen, Yes a longer antenna will have
> Gain, but in only certain directions. At a sacrifise to other directions.
> The best example I got more than 30 years ago was this.
>
> Concider your signal on transmit. the recieve pattern is exactly the
> same by the way , it can not be different.
>
> You have "X" amount of power. Period,
>
> The isotropic antenna, (does not exist) radiated equally in all
> directions, but a diploe has apattern looks like a figure 8 broadside
> to the antenna. or in a 3 D model it looks like a doughnut.
>
> A 1.5 wave dipole has gain yes, and is resonant too, but the pattern
> now looks like a 4 leaf clover. So instead of max gain being broadside
> to the antenna, it now has to lobes that are like 45 degrees to each
> side of the dioploe. and max sig is no longer broadside to the dipole.
>
> Extending the wire even longer starts to split these lobes into further
> lobes and further towards the end of the diploe.
>
> All this keeps concentrating the signal into a smaller and smaller

> area, hence the gain.
>
> r think of it this way,, think of you signal as water from a hose.
>
> say your power is equal to 1 gallon per minute,
>
> With a sprinkler head attached to the end of the hose, you have a wide
> pattern of the "Power" being spread out evenly over a wide area. (the
> dipole) but change the pattern to concentrate the water into a more
> tight stream, (fire hose adapter?) the apparant power is much stronger
> now. (In only one direction) still same popwer output 1 gallon per
> minute. but it seems stronger and it is stronger in the desired
> direction. at a sacrifise to other directions. Just like the yagi.
>
> Anytime you have "Gain" you Must loose signal in other directions.
> period. you can not create more energy.
>
> >But again, like someone said, why not just go with my 83 feet, feed
> it with
> >ladderline, and a tuner, and have all band capability. That is
> probably the
> >best answer.
> >Bob
> >**********One site keeps you connected to all your email: AOL Mail,
> >Gmail, and Yahoo Mail. Try it now.
> >(http://www.aol.com/?optin=new-dp&icid=aolcom40vanity&ncid=emlcntaolcom00000025
> <http://www.aol.com/?optin=new-dp&icid=aolcom40vanity&ncid=emlcntaolcom00000025>)
> >
> >
> >[Non-text portions of this message have been removed]
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> >-----
> >
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7500. new 160m dipole project

Yahoo group: ham-antennas (2008)
Date: 2008-12-29 03:47:43 UTC
From: ke4vyn
Topic: 7500 Message: 7500

The plan is for a 160m dipole 260 feet long up in the air at the 80 foot mark.

I'm going to feed it with 600 ohm true ladder line the height of the 80 feet. Then use a air choke made of 9913 coax wrapped around 6" PVC pipe to be able to run the coax into a Ameritron ATR-15.
Going to use the wire mostly on 160/75 and one of the questions is should I use a balun for this project?

I the balun I am thinking is a 600/50 4KW military air cooled that I would put at the bottom of the 600 ohm ladder line feed which is 80 feet below the feed point.

I live on a rocky hill side and will point this NE/NW from central Alabama.

Thoughts would be appreciated. I have 1000 feet of #12 copper stranded and one thought would be doubling or even tripling the wire for more band width.

Ideas?

Lee
KE4VYN

7501. Re: [ham-antennas] Re: 10 meter wire antenna??

Yahoo group: ham-antennas (2008)
Date: 2008-12-29 04:58:47 UTC
From: Phil Bader
Topic: 7476 Message: 7501

I like to consider antenns gain as the analogy of the 100 watt light bulb on a pole. Now, place a reflector at the back side. A lot more of your yard is illuminated in that direction,therefore a gain. But, this is the same 100 watt bulb,same power output,simply directed more one way, and reflected from another.
PB
Philip Bader
Polk County School Board
Intercom & Fire Alarm Electronics Systems
Owned/Operated: Jan Phyl TV Svc. Inc, 1976-2006
Amateur call: KI4NUC, Winter Haven, Fl.
Member: Lakeland Amateur Radio Club
http://www.lakelandarc.org/
pbader@...

----- Original Message -----
From: Steve Friis
To: ham-antennas@yahoogroups.com
Sent: Sunday, December 28, 2008 3:17 PM
Subject: Re: [ham-antennas] Re: 10 meter wire antenna??

What you are looking for is called "capture area." Yes, gain comes from
more than just directionality.

Have a Happy New Year.

Steve/WM5Z
No one can change the past, but we all influence the future.
Remember, you too can have a computer like a wigwam, No windows, no gates.
Linux User Number 481782

wa7dxz@... wrote:
> Someone said that gain comes from directing the signal...(yagi idea) very
> true, but it simply makes sense that you hear more with more wire... I can't
> imagine anyone saying that you hear as well with a one foot wire antenna as a
> 83 foot wire antenna... in other words, I still think, common sense tells
> me, that a 5 WL WL dipole might hear more than a .5 WL dipole.
> But again, I could be wrong.
> But again, like someone said, why not just go with my 83 feet, feed it with
> ladderline, and a tuner, and have all band capability. That is probably the
> best answer.
> Bob
> **********One site keeps you connected to all your email: AOL Mail,
> Gmail, and Yahoo Mail. Try it now.
> (http://www.aol.com/?optin=new-dp&icid=aolcom40vanity&ncid=emlcntaolcom00000025)
>
>

> [Non-text portions of this message have been removed]
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No virus found in this incoming message.
Checked by AVG - http://www.avg.com
Version: 8.0.176 / Virus Database: 270.10.1/1867 - Release Date: 12/28/2008 2:23 PM

[Non-text portions of this message have been removed]

7502. G5IJ Polar Plot Please!

Yahoo group: ham-antennas (2008)
Date: 2008-12-29 17:54:51 UTC
From: Chris Moore
Topic: 7502 Message: 7502

Has anybody got a Polar Plot for a G5IJ at 20feet agl.
The antenna is 20 meters of wire 300 ohm ribbon feeder.
Bands needed are 80m 40m 20m.

Any help be great....

2E0XLG
Yorkshire UK

7503. Connecting the MFJ-998 tuner to the antenna feed point

Yahoo group: ham-antennas (2008)
Date: 2008-12-29 19:51:33 UTC
From: Tom Gleeman
Topic: 7503 Message: 7503

Hello Group,

Has anyone tried putting the MFJ-998, 1500 watt,
auto tuner in a water proof box and connecting the
antenna terminals to the antenna feed point?

See doodle at:
http://groups.yahoo.com/group/ham-antennas/photos/album/402385040/pic/1934505810/view?picmode=large&mode=tn&order=ordinal&start=1&dir=asc

Cheers.

Tom
KE6YNH, 73
San Diego, CA

[Non-text portions of this message have been removed]

7504. Re: [ham-antennas] Connecting the MFJ-998 tuner to the antenna feed point

Yahoo group: ham-antennas (2008)
Date: 2008-12-29 20:03:05 UTC
From: Dan Schaaf
Topic: 7503 Message: 7504

No. How do you press the tune button?

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com "In the Beginning, there was Spark Gap"

----- Original Message -----
From: Tom Gleeman
To: ham-antennas@yahoogroups.com
Sent: Monday, December 29, 2008 2:51 PM
Subject: [ham-antennas] Connecting the MFJ-998 tuner to the antenna feed point

Hello Group,

Has anyone tried putting the MFJ-998, 1500 watt,
auto tuner in a water proof box and connecting the
antenna terminals to the antenna feed point?

See doodle at:
http://groups.yahoo.com/group/ham-antennas/photos/album/402385040/pic/1934505810/view?picmode=large&mode=tn&order=ordinal&start=1&dir=asc

Cheers.

Tom
KE6YNH, 73
San Diego, CA

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

7505. RE: [ham-antennas] Connecting the MFJ-998 tuner to the antenna feed point

Yahoo group: ham-antennas (2008)
Date: 2008-12-29 20:48:46 UTC
From: Jerry Stern
Topic: 7503 Message: 7505

I would be surprised if it worked well on true 'auto'. You would also need to have some ability to remote control it for manual adjustments. I have the Palstar AT-AUTO and though it works great, when there are significant changes to my ground radial system (for my 43' Vertical) such as heavy rainh, melting snow and the the opposite a very dry spell, the "average" settings in memory are not sufficient to allow the auto-tuner to hunt down the best SWR... it will 'time out'. At least on the Palstar I have to find the right ballpark manually every now and then and then let the Auto mode fine-tune and re-memorize it. I would be curious if the MFJ autotuner was more autonomous under these kinds of circumstances... With the AT-AUTO I can remote control everything via RS-232 but RS-232 specifications I recall are limited to runs of shielded wire for 50' or less .

Please let me know how you make out

73 Jerry
k1JOS
-----Original Message-----
From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Tom Gleeman
Sent: Monday, December 29, 2008 2:52 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Connecting the MFJ-998 tuner to the antenna feed point

Hello Group,

Has anyone tried putting the MFJ-998, 1500 watt,
auto tuner in a water proof box and connecting the
antenna terminals to the antenna feed point?

See doodle at:
http://groups.
<http://groups.yahoo.com/group/ham-antennas/photos/album/402385040/pic/1934505810/view?picmode=large&mode=tn&order=ordinal&start=1&dir=asc>
yahoo.com/group/ham-antennas/photos/album/402385040/pic/1934505810/view?picmode=large&mode=tn&order=ordinal&start=1&dir=asc

Cheers.

Tom
KE6YNH, 73
San Diego, CA

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

7506. RE: [ham-antennas] new 160m dipole project

Yahoo group: ham-antennas (2008)
Date: 2008-12-29 20:54:23 UTC
From: Callum m0mcx
Topic: 7500 Message: 7506

Lee,

If you're feeding it with ladder line via a tuner then the only reason to doubling or tripling the wire will be to strengthen it. Forget it - save the rest for another day and keep it on the reel. Regarding bandwidth, since you have a tuner - it won't matter.

Your comment doesn't mention how long the ladder line is so I can't comment about the balun too much, however I would recommend one. You will have some fiddling with impedances, but I'm sure you are already aware of this!

Cheers,

Callum McCormick

http://www.m0mcx.co.uk/

If I build it, you might hear me.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of ke4vyn
Sent: 29 December 2008 03:48
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] new 160m dipole project

The plan is for a 160m dipole 260 feet long up in the air at the 80 foot mark.

I'm going to feed it with 600 ohm true ladder line the height of the 80 feet. Then use a air choke made of 9913 coax wrapped around 6" PVC pipe to be able to run the coax into a Ameritron ATR-15.
Going to use the wire mostly on 160/75 and one of the questions is should I use a balun for this project?

I the balun I am thinking is a 600/50 4KW military air cooled that I would put at the bottom of the 600 ohm ladder line feed which is 80 feet below the feed point.

I live on a rocky hill side and will point this NE/NW from central Alabama.

Thoughts would be appreciated. I have 1000 feet of #12 copper stranded and one thought would be doubling or even tripling the wire for more band width.

Ideas?

Lee
KE4VYN

[Non-text portions of this message have been removed]

7507. Re: [ham-antennas] Connecting the MFJ-998 tuner to the antenna feed point

Yahoo group: ham-antennas (2008)
Date: 2008-12-29 21:07:25 UTC
From: Steve Friis
Topic: 7503 Message: 7507

Wal-Mart sells plastic tubs that are perfect for this. The one I used is
the one that says it fits under a bed.

I put 4 holes in mine. RF in, RF out, DC in and ground. Sealed the holes
with hot glue works fine.

Have a Happy New Year.

Steve/WM5Z
No one can change the past, but we all influence the future.
Remember, you too can have a computer like a wigwam, No windows, no gates.
Linux User Number 481782 <http://counter.li.org/>

Tom Gleeman wrote:
> Hello Group,
>
> Has anyone tried putting the MFJ-998, 1500 watt,
> auto tuner in a water proof box and connecting the
> antenna terminals to the antenna feed point?
>
> See doodle at:
> http://groups.yahoo.com/group/ham-antennas/photos/album/402385040/pic/1934505810/view?picmode=large&mode=tn&order=ordinal&start=1&dir=asc
>
> Cheers.
>
> Tom
> KE6YNH, 73
> San Diego, CA
>
> [Non-text portions of this message have been removed]
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> ---
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7508. Re: [ham-antennas] Connecting the MFJ-998 tuner to the antenna feed point

Yahoo group: ham-antennas (2008)
Date: 2008-12-29 21:08:45 UTC
From: Steve Friis
Topic: 7503 Message: 7508

It is an auto tuner.

Have a Happy New Year.

Steve/WM5Z
No one can change the past, but we all influence the future.
Remember, you too can have a computer like a wigwam, No windows, no gates.
Linux User Number 481782 <http://counter.li.org/>

Dan Schaaf wrote:
> No. How do you press the tune button?
>
> Best Regards
> Dan Schaaf
> K3ZXL www.k3zxl.com "In the Beginning, there was Spark Gap"
>
> ----- Original Message -----
> From: Tom Gleeman
> To: ham-antennas@yahoogroups.com
> Sent: Monday, December 29, 2008 2:51 PM
> Subject: [ham-antennas] Connecting the MFJ-998 tuner to the antenna feed point
>
>
> Hello Group,
>
> Has anyone tried putting the MFJ-998, 1500 watt,
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> antenna terminals to the antenna feed point?
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> See doodle at:
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> Cheers.
>
> Tom
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> San Diego, CA
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7509. Re: [ham-antennas] Connecting the MFJ-998 tuner to the antenna feed point

Yahoo group: ham-antennas (2008)
Date: 2008-12-29 21:12:49 UTC
From: Dan Schaaf
Topic: 7503 Message: 7509

Educate me. I have one of these tuners but have not used it yet. But I see a Tune button on the front panel. How does it tune without pressing this button.?

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com "In the Beginning, there was Spark Gap"

----- Original Message -----
From: Steve Friis
To: ham-antennas@yahoogroups.com
Sent: Monday, December 29, 2008 4:08 PM
Subject: Re: [ham-antennas] Connecting the MFJ-998 tuner to the antenna feed point

It is an auto tuner.

Have a Happy New Year.

Steve/WM5Z
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Remember, you too can have a computer like a wigwam, No windows, no gates.
Linux User Number 481782 <http://counter.li.org/>

Dan Schaaf wrote:
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>
> ----- Original Message -----
> From: Tom Gleeman
> To: ham-antennas@yahoogroups.com
> Sent: Monday, December 29, 2008 2:51 PM
> Subject: [ham-antennas] Connecting the MFJ-998 tuner to the antenna feed point
>
>
> Hello Group,
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> Has anyone tried putting the MFJ-998, 1500 watt,
> auto tuner in a water proof box and connecting the
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> See doodle at:
> http://groups.yahoo.com/group/ham-antennas/photos/album/402385040/pic/1934505810/view?picmode=large&mode=tn&order=ordinal&start=1&dir=asc

>
> Cheers.
>
> Tom
> KE6YNH, 73
> San Diego, CA
>
> [Non-text portions of this message have been removed]
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>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 1446 members (as of 9/26/08, and attachments are NOT permitted.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
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7510. Re: [ham-antennas] Connecting the MFJ-998 tuner to the antenna feed point

Yahoo group: ham-antennas (2008)
Date: 2008-12-29 21:33:23 UTC
From: Steve Friis
Topic: 7503 Message: 7510

For me, I set it up on my favorite portions of the bands. Once it was trained, I never have to touch it. Personally, I think this is a marvelous tuner. I also own the baby predecessor. It has to be told to retune often. Not what I would want for a remote tuner.

Have a Happy New Year.

Steve/WM5Z
No one can change the past, but we all influence the future.
Remember, you too can have a computer like a wigwam, No windows, no gates.
Linux User Number 481782 <http://counter.li.org/>

Dan Schaaf wrote:
> Educate me. I have one of these tuners but have not used it yet. But I see a Tune button on the front panel. How does it tune without pressing this button.?
>
> Best Regards
> Dan Schaaf
> K3ZXL www.k3zxl.com "In the Beginning, there was Spark Gap"
>
> ----- Original Message -----
> From: Steve Friis
> To: ham-antennas@yahoogroups.com
> Sent: Monday, December 29, 2008 4:08 PM
> Subject: Re: [ham-antennas] Connecting the MFJ-998 tuner to the antenna feed point
>
>
> It is an auto tuner.
>
> Have a Happy New Year.
>
> Steve/WM5Z
> No one can change the past, but we all influence the future.
> Remember, you too can have a computer like a wigwam, No windows, no gates.
> Linux User Number 481782 <http://counter.li.org/>
>
> Dan Schaaf wrote:
> > No. How do you press the tune button?
> >
> > Best Regards
> > Dan Schaaf
> > K3ZXL www.k3zxl.com "In the Beginning, there was Spark Gap"
> >
> > ----- Original Message -----

> > From: Tom Gleeman
> > To: ham-antennas@yahoogroups.com
> > Sent: Monday, December 29, 2008 2:51 PM
> > Subject: [ham-antennas] Connecting the MFJ-998 tuner to the antenna feed point
> >
> >
> > Hello Group,
> >
> > Has anyone tried putting the MFJ-998, 1500 watt,
> > auto tuner in a water proof box and connecting the
> > antenna terminals to the antenna feed point?
> >
> > See doodle at:
> > http://groups.yahoo.com/group/ham-antennas/photos/album/402385040/pic/1934505810/view?picmode=large&mode=tn&order=ordinal&start=1&dir=asc
> >
> > Cheers.
> >
> > Tom
> > KE6YNH, 73
> > San Diego, CA
> >
> > [Non-text portions of this message have been removed]
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> > [Non-text portions of this message have been removed]
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7511. Hello New to the group, new Ham

Yahoo group: ham-antennas (2008)
Date: 2008-12-29 22:37:02 UTC
From: Gene Dunford
Topic: 7511 Message: 7511

Hi KE7WNX (Gene) here, I received a LDG auto antenna tuner as a present.. I have not mounted any antennae, never used an antenna tuner. I am sure when I learn what questions to ask, I will have a bunch. I hope to set up the grounding rods mount the antennae and turn on the ICOM 706MKIIG; with great hopes for Mid February. I see that with my purchase of the antenna tuner I get a free antenna...

"Purchase any LDG autotuner priced over $149 (suggested list price) between September 15, 2008 and January 31, 2009 and receive a free Dipole Kit buildable for 20, 17, 15, 12, 10, or 6 meters. Download the Dipole Kit Rebate Form and mail it with a copy of your sales receipt to LDG.Be sure to check out the manual for the Free Dipole Kit in the Support/Manuals section of our website (click Here for the manuals page) ."

So I will have two HF antennae to run thur the tuner. I have a home brew multi frequency antenna I bought from a club member LVRAC. Looking forward to passing the general test by the time I have the radio set up.

Stay tuned, I will be asking something stupid when I learn enough to ask stupid questions.

73s
KE7WNX
Gene

[Non-text portions of this message have been removed]

7512. Re: [ham-antennas] new 160m dipole project

Yahoo group: ham-antennas (2008)
Date: 2008-12-29 22:41:06 UTC
From: Its from KE4VYN
Topic: 7500 Message: 7512

Hey Callum,
Long time my friend. Hope all is good in sister B'ham.

This is the balun http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=110314062973&ssPageName=ADME:X:RTQ:US:1123<http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=110314062973&ssPageName=ADME:X:RTQ:US:1123>
I have one like it. Thing cost like 3000.00 from maker.

Anyway, the ladder will be about 70 - 80 feet long. Up a tree to the main pulley. The balun will be mounted on the side of the house and a coax running inside thru a air choke.

What ya think?

Lee
KE4VYN

----- Original Message -----
From: Callum m0mcx<mailto:callum@...>
To: ham-antennas@yahoogroups.com<mailto:ham-antennas@yahoogroups.com>
Sent: Monday, December 29, 2008 2:54 PM
Subject: RE: [ham-antennas] new 160m dipole project

Lee,

If you're feeding it with ladder line via a tuner then the only reason to doubling or tripling the wire will be to strengthen it. Forget it - save the rest for another day and keep it on the reel. Regarding bandwidth, since you have a tuner - it won't matter.

Your comment doesn't mention how long the ladder line is so I can't comment about the balun too much, however I would recommend one. You will have some fiddling with impedances, but I'm sure you are already aware of this!

Cheers,

Callum McCormick

http://www.m0mcx.co.uk/<http://www.m0mcx.co.uk/>

If I build it, you might hear me.

From: ham-antennas@yahoogroups.com<mailto:ham-antennas%40yahoogroups.com>
[mailto:ham-antennas@yahoogroups.com<mailto:ham-antennas%40yahoogroups.com>] On Behalf Of ke4vyn
Sent: 29 December 2008 03:48
To: ham-antennas@yahoogroups.com<mailto:ham-antennas%40yahoogroups.com>
Subject: [ham-antennas] new 160m dipole project

The plan is for a 160m dipole 260 feet long up in the air at the 80 foot mark.

I'm going to feed it with 600 ohm true ladder line the height of the 80 feet. Then use a air choke made of 9913 coax wrapped around 6" PVC pipe to be able to run the coax into a Ameritron ATR-15.
Going to use the wire mostly on 160/75 and one of the questions is should I use a balun for this project?

I the balun I am thinking is a 600/50 4KW military air cooled that I would put at the bottom of the 600 ohm ladder line feed which is 80 feet below the feed point.

I live on a rocky hill side and will point this NE/NW from central Alabama.

Thoughts would be appreciated. I have 1000 feet of #12 copper stranded and one thought would be doubling or even tripling the wire for more band width.

Ideas?

Lee
KE4VYN

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[Non-text portions of this message have been removed]

7513. Re: [ham-antennas] Connecting the MFJ-998 tuner to the antenna feed point...Tuning remotely

Yahoo group: ham-antennas (2008)
Date: 2008-12-29 23:17:23 UTC
From: Tom Gleeman
Topic: 7513 Message: 7513

Hi Dan, K3ZXL and the Group,

The MFJ-998 has an automatic mode the tunes
when you key the transmitter and a semi-automatic mode that
tunes when you push the "Tune" button on your transceiver.

I like to use the "Tune" button on my transceiver.
It's closer to my hand.

Cheers.

Tom
KE6YNH, 73
San Diego, CA

[Non-text portions of this message have been removed]

7514. RE: [ham-antennas] Hello New to the group, new Ham

Yahoo group: ham-antennas (2008)
Date: 2008-12-30 00:11:49 UTC
From: Richard Schmuke
Topic: 7511 Message: 7514

Welcome aboard Gene , any and all antenna questions can be answered by this group. We have new , old and in-between here so jump in.

Rich , KDØZZ

Disclaimer: Any errors in spelling or facts are transmission errors.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Gene Dunford
Sent: Monday, December 29, 2008 4:37 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Hello New to the group, new Ham

Hi KE7WNX (Gene) here, I received a LDG auto antenna tuner as a present.. I have not mounted any antennae, never used an antenna tuner. I am sure when I learn what questions to ask, I will have a bunch. I hope to set up the grounding rods mount the antennae and turn on the ICOM 706MKIIG; with great hopes for Mid February. I see that with my purchase of the antenna tuner I get a free antenna...

"Purchase any LDG autotuner priced over $149 (suggested list price) between September 15, 2008 and January 31, 2009 and receive a free Dipole Kit buildable for 20, 17, 15, 12, 10, or 6 meters. Download the Dipole Kit Rebate Form and mail it with a copy of your sales receipt to LDG.Be sure to check out the manual for the Free Dipole Kit in the Support/Manuals section of our website (click Here for the manuals page) ."

So I will have two HF antennae to run thur the tuner. I have a home brew multi frequency antenna I bought from a club member LVRAC. Looking forward to passing the general test by the time I have the radio set up.

Stay tuned, I will be asking something stupid when I learn enough to ask stupid questions.

73s
KE7WNX
Gene

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[Non-text portions of this message have been removed]

7515. RE: [ham-antennas] new 160m dipole project

Yahoo group: ham-antennas (2008)
Date: 2008-12-30 01:00:55 UTC
From: Callum m0mcx
Topic: 7500 Message: 7515

Bl**dy hell. That's a big balun! Use it, absolutely - why not!

Callum McCormick

http://www.m0mcx.co.uk/

If I build it, you might hear me.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Its from KE4VYN
Sent: 29 December 2008 22:41
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] new 160m dipole project

Hey Callum,
Long time my friend. Hope all is good in sister B'ham.

This is the balun http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem <http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=110314062973&ssPageName=ADME:X:RTQ:US:1123> &item=110314062973&ssPageName=ADME:X:RTQ:US:1123<http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem <http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=110314062973&ssPageName=ADME:X:RTQ:US:1123> &item=110314062973&ssPageName=ADME:X:RTQ:US:1123>
I have one like it. Thing cost like 3000.00 from maker.

[Non-text portions of this message have been removed]

7516. Re: [ham-antennas] Hello New to the group, new Ham

Yahoo group: ham-antennas (2008)
Date: 2008-12-30 01:07:23 UTC
From: Charles Hendrick
Topic: 7511 Message: 7516

hello and welcome to the group. FYI the only stupid /dumb questions,are the ones NOT asked.
Chuck n3xib

--- On Mon, 12/29/08, Gene Dunford <ke7wnx@...> wrote:

From: Gene Dunford <ke7wnx@...>
Subject: [ham-antennas] Hello New to the group, new Ham
To: ham-antennas@yahoogroups.com
Date: Monday, December 29, 2008, 5:37 PM

Hi KE7WNX (Gene) here, I received a LDG auto antenna tuner as a present.. I have not mounted any antennae, never used an antenna tuner. I am sure when I learn what questions to ask, I will have a bunch. I hope to set up the grounding rods mount the antennae and turn on the ICOM 706MKIIG; with great hopes for Mid February. I see that with my purchase of the antenna tuner I get a free antenna...

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So I will have two HF antennae to run thur the tuner. I have a home brew multi frequency antenna I bought from a club member LVRAC. Looking forward to passing the general test by the time I have the radio set up.

Stay tuned, I will be asking something stupid when I learn enough to ask stupid questions.

73s
KE7WNX
Gene

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

7517. Re: [ham-antennas] new 160m dipole project

Yahoo group: ham-antennas (2008)
Date: 2008-12-30 01:31:33 UTC
From: greathounder@aol.com
Topic: 7500 Message: 7517

With the wire tripled, wouldn't that be simular to a Cobra antenna???BillN8VWI
In a message dated 12/29/2008 3:54:39 PM Eastern Standard Time, callum@... writes:

Lee,

If you're feeding it with ladder line via a tuner then the only reason to doubling or tripling the wire will be to strengthen it. Forget it - save the rest for another day and keep it on the reel. Regarding bandwidth, since you have a tuner - it won't matter.

Your comment doesn't mention how long the ladder line is so I can't comment about the balun too much, however I would recommend one. You will have some fiddling with impedances, but I'm sure you are already aware of this!

Cheers,

Callum McCormick

http://www.m0mcx.http:/ (http://www.m0mcx.co.uk/)

If I build it, you might hear me.

From: _ham-antennas@ham-antennasham_ (mailto:ham-antennas@yahoogroups.com) [mailto:_ham-antennas@ham-antennasham_ (mailto:ham-antennas@yahoogroups.com)] On
Behalf Of ke4vyn
Sent: 29 December 2008 03:48
To: _ham-antennas@ham-antennasham_ (mailto:ham-antennas@yahoogroups.com)
Subject: [ham-antennas] new 160m dipole project

The plan is for a 160m dipole 260 feet long up in the air at the 80 foot mark.

I'm going to feed it with 600 ohm true ladder line the height of the 80 feet. Then use a air choke made of 9913 coax wrapped around 6" PVC pipe to be able to run the coax into a Ameritron ATR-15.
Going to use the wire mostly on 160/75 and one of the questions is should I use a balun for this project?

I the balun I am thinking is a 600/50 4KW military air cooled that I would put at the bottom of the 600 ohm ladder line feed which is 80 feet below the feed point.

I live on a rocky hill side and will point this NE/NW from central Alabama.

Thoughts would be appreciated. I have 1000 feet of #12 copper stranded and one thought would be doubling or even tripling the wire for more band width.

Ideas?

Lee
KE4VYN

[Non-text portions of this message have been removed]

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Z3Jwc3BJZAMxNzA1MDYzMTA4BHNlYwNuY21vZARzbGsDdG9vbG
JhcgRzdGltZQMxMjMwNTg0MDcw;_ylg=1/SIG=11c6dvmk9/**http://toolbar.yahoo.com/?.c
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(http://groups.yahoo.com/start;_ylc=X3oDMTJwNnI4Z29vBF9TAzk3MzU5NzE0BF9wAzMEZ3JwSWQDMTIzMD
Q3MTIEZ3Jwc3BJZAMxNzA1MDYzMTA4BHNlYwNuY21vZARzbGs
DZ3JvdXBzMgRzdGltZQMxMjMwNTg0MDcw)
in 3 easy steps.
Connect with others.

.

**********One site keeps you connected to all your email: AOL Mail,
Gmail, and Yahoo Mail. Try it now.
(http://www.aol.com/?optin=new-dp&icid=aolcom40vanity&ncid=emlcntaolcom00000025)

[Non-text portions of this message have been removed]

7518. Re: new 160m dipole project

Yahoo group: ham-antennas (2008)
Date: 2008-12-30 01:40:36 UTC
From: ke4vyn
Topic: 7500 Message: 7518

Cobra antenna, Bill? Is that a brand name or a 'fan' version of a dipole?
I have a 75m dipole that is made from #6. I use it to hold up the trees when the wind blows! haha

Lee
KE4VYN
www.qrz.com/callsign/ke4vyn

--- In ham-antennas@yahoogroups.com, greathounder@... wrote:
>
>
> With the wire tripled, wouldn't that be simular to a Cobra
> antenna???BillN8VWI
> In a message dated 12/29/2008 3:54:39 PM Eastern Standard Time,
> callum@... writes:
>
>
>
>
> Lee,
>
> If you're feeding it with ladder line via a tuner then the only reason to
> doubling or tripling the wire will be to strengthen it. Forget it - save the
> rest for another day and keep it on the reel. Regarding bandwidth, since you
> have a tuner - it won't matter.
>
> Your comment doesn't mention how long the ladder line is so I can't comment
> about the balun too much, however I would recommend one. You will have some
> fiddling with impedances, but I'm sure you are already aware of this!
>
> Cheers,
>
> Callum McCormick
>
> _http://www.m0mcx.http:/_ (http://www.m0mcx.co.uk/)
>
> If I build it, you might hear me.
>

> From: _ham-antennas@ham-antennasham_ (mailto:ham-
antennas@yahoogroups.com)
> [mailto:_ham-antennas@ham-antennasham_ (mailto:ham-
antennas@yahoogroups.com)]
> On
> Behalf Of ke4vyn
> Sent: 29 December 2008 03:48
> To: _ham-antennas@ham-antennasham_ (mailto:ham-
antennas@yahoogroups.com)
> Subject: [ham-antennas] new 160m dipole project
>
> The plan is for a 160m dipole 260 feet long up in the air at the
80
> foot mark.
>
> I'm going to feed it with 600 ohm true ladder line the height of
the
> 80 feet. Then use a air choke made of 9913 coax wrapped around 6"
PVC
> pipe to be able to run the coax into a Ameritron ATR-15.
> Going to use the wire mostly on 160/75 and one of the questions is
> should I use a balun for this project?
>
> I the balun I am thinking is a 600/50 4KW military air cooled that
> would put at the bottom of the 600 ohm ladder line feed which is
> feet below the feed point.
> I live on a rocky hill side and will point this NE/NW from central
> Alabama.
> Thoughts would be appreciated. I have 1000 feet of #12 copper
> stranded and one thought would be doubling or even tripling the
wire
> for more band width.
> Ideas?
> Lee
> KE4VYN
>
> [Non-text portions of this message have been removed]
>
>

7519. Re: [ham-antennas] Re: new 160m dipole project

Yahoo group: ham-antennas (2008)
Date: 2008-12-30 01:47:50 UTC
From: Brian Tucker
Topic: 7500 Message: 7519

Yep, sure would...I have one of these and I like it. The three wires next to each other does bring some expanded bandwidth, but the professionally made one is resonant at about 2Mhz, with little bandwidth, meaning I can't get it to tune below 1.9Mhz.

http://www.k1jek.com/

No affiliation, other than owning one,

Brian
WD4DX

On Mon, Dec 29, 2008 at 8:40 PM, ke4vyn <ke4vyn@...> wrote:

>
>
> Cobra antenna, Bill? Is that a brand name or a 'fan' version of a
> dipole?
> I have a 75m dipole that is made from #6. I use it to hold up the
> trees when the wind blows! haha
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> Lee
> KE4VYN
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>
> --- In ham-antennas@yahoogroups.com <ham-antennas%40yahoogroups.com>,
> greathounder@... wrote:
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> > Lee,
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> > If you're feeding it with ladder line via a tuner then the only
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> save the
> > rest for another day and keep it on the reel. Regarding bandwidth,
> since you

> > have a tuner - it won't matter.
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> > Callum McCormick
> >
> > _http://www.m0mcx.http:/_ (http://www.m0mcx.co.uk/)
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> > If I build it, you might hear me.
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> > From: _ham-antennas@ham-antennasham_ (mailto:ham-
> antennas@yahoogroups.com <antennas%40yahoogroups.com>)
> > [mailto:_ham-antennas@ham-antennasham_ (mailto:ham-
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> wire
> > for more band width.
> > Ideas?

> > Lee
> > KE4VYN
> >
> > [Non-text portions of this message have been removed]
> >
> >
>
>
>

--
Brian Tucker

[Non-text portions of this message have been removed]

7520. Re: [ham-antennas] Connecting the MFJ-998 tuner to the antenna feed point

Yahoo group: ham-antennas (2008)
Date: 2008-12-30 01:51:34 UTC
From: greathounder@aol.com
Topic: 7503 Message: 7520

I haven't used mine either yet, but from what I read, you have to have the interface cable between the tuner and radio. Then you just use the tune button on the radio. I might be wrong, probably am...Bill N8VWI

In a message dated 12/29/2008 4:13:15 PM Eastern Standard Time, dan-schaaf@... writes:

Educate me. I have one of these tuners but have not used it yet. But I see a Tune button on the front panel. How does it tune without pressing this button.?

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com "In the Beginning, there was Spark Gap"

----- Original Message -----
From: Steve Friis
To: _ham-antennas@ham-antennasham_ (mailto:ham-antennas@yahoogroups.com)
Sent: Monday, December 29, 2008 4:08 PM
Subject: Re: [ham-antennas] Connecting the MFJ-998 tuner to the antenna feed point

It is an auto tuner.

Have a Happy New Year.

Steve/WM5Z
No one can change the past, but we all influence the future.
Remember, you too can have a computer like a wigwam, No windows, no gates.
Linux User Number 481782 <_http://counter.http://_ (http://counter.li.org/) >

Dan Schaaf wrote:
> No. How do you press the tune button?
>
> Best Regards
> Dan Schaaf
> K3ZXL www.k3zxl.com "In the Beginning, there was Spark Gap"
>
> ----- Original Message -----
> From: Tom Gleeman
> To: _ham-antennas@ham-antennasham_ (mailto:ham-antennas@yahoogroups.com)
> Sent: Monday, December 29, 2008 2:51 PM
> Subject: [ham-antennas] Connecting the MFJ-998 tuner to the antenna feed point
>

>
> Hello Group,
>
> Has anyone tried putting the MFJ-998, 1500 watt,
> auto tuner in a water proof box and connecting the
> antenna terminals to the antenna feed point?
>
> See doodle at:
>
_http://groups.http://grohttp://grohttp://grhttp://groupshttp://grohttp://groups.http://gr
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(http://groups.yahoo.com/group/ham-antennas/photos/album/402385040/pic/1934505810/view?pic
mod
e=large&mode=tn&order=ordinal&start=1&dir=asc)
>
> Cheers.
>
> Tom
> KE6YNH, 73
> San Diego, CA
>
> [Non-text portions of this message have been removed]
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>
> [Non-text portions of this message have been removed]
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> ------------ ---- ---- -
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
to ALL 1446 members (as of 9/26/08, and attachments are NOT permitted.
> Post message: _ham-antennas@ham-antennasham_ (mailto:ham-ante
nnas@yahoogroups.com)
> Subscribe: _ham-antennas-ham-antennham-antennasham_
(mailto:ham-antennas-subscribe@yahoogroups.com)
> Unsubscribe: _ham-antennas-ham-antennasham-antennasham_
(mailto:ham-antennas-unsubscribe@yahoogroups.com)
> List owner: _ham-antennas-ham-antennas-<WBham-a_
(mailto:ham-antennas-owner@yahoogroups.com)
> Yahoo! Groups Links
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[Non-text portions of this message have been removed]

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Gmail, and Yahoo Mail. Try it now.
(http://www.aol.com/?optin=new-dp&icid=aolcom40vanity&ncid=emlcntaolcom00000025)

[Non-text portions of this message have been removed]

7521. Re: [ham-antennas] new 160m dipole project

Yahoo group: ham-antennas (2008)
Date: 2008-12-30 01:55:21 UTC
From: Its from KE4VYN
Topic: 7500 Message: 7521

RR!! I think that it was surplus but cant wait to get it started up.
The company still makes them but outrageously expensive.

Do you think at 80 feet it would be worth going full wave out to
500 feet? Or would that be too low to make a difference?

Lee
KE4VYN

----- Original Message -----
From: Callum m0mcx<mailto:callum@...>
To: ham-antennas@yahoogroups.com<mailto:ham-antennas@yahoogroups.com>
Sent: Monday, December 29, 2008 7:00 PM
Subject: RE: [ham-antennas] new 160m dipole project

Bl**dy hell. That's a big balun! Use it, absolutely - why not!

Callum McCormick

http://www.m0mcx.co.uk/<http://www.m0mcx.co.uk/>

If I build it, you might hear me.

From: ham-antennas@yahoogroups.com<mailto:ham-antennas@yahoogroups.com>
[mailto:ham-antennas@yahoogroups.com<mailto:ham-antennas@yahoogroups.com>] On
Behalf Of Its from KE4VYN
Sent: 29 December 2008 22:41
To: ham-antennas@yahoogroups.com<mailto:ham-antennas@yahoogroups.com>
Subject: Re: [ham-antennas] new 160m dipole project

Hey Callum,
Long time my friend. Hope all is good in sister B'ham.

This is the balun http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem<http://cgi.ebay.com/ws/eBa
yISAPI.dll?ViewItem>
<http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=110314062973&ssPageName=<http://cgi.eb
ay.com/ws/eBayISAPI.dll?ViewItem&item=110314062973&ssPageName=>
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&item=110314062973&ssPageName=ADME:X:RTQ:US:1123<http://cgi.ebay.com/ws/eBay<http://cgi.eb
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ay.com/ws/eBayISAPI.dll?ViewItem&item=110314062973&ssPageName=>
ADME:X:RTQ:US:1123> &item=110314062973&ssPageName=ADME:X:RTQ:US:1123>
I have one like it. Thing cost like 3000.00 from maker.

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

7522. Re: [ham-antennas] Connecting the MFJ-998 tuner to the antenna feed point

Yahoo group: ham-antennas (2008)
Date: 2008-12-30 01:59:49 UTC
From: Dan Schaaf
Topic: 7503 Message: 7522

My FT-920 doesn't have a tune button that will auto tune the tuner, so I have to press the tune button on the tuner itself.

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com "In the Beginning, there was Spark Gap"

----- Original Message -----
From: greathounder@...
To: ham-antennas@yahoogroups.com
Sent: Monday, December 29, 2008 8:51 PM
Subject: Re: [ham-antennas] Connecting the MFJ-998 tuner to the antenna feed point

I haven't used mine either yet, but from what I read, you have to have the interface cable between the tuner and radio. Then you just use the tune button on the radio. I might be wrong, probably am...Bill N8VWI

In a message dated 12/29/2008 4:13:15 PM Eastern Standard Time, dan-schaaf@... writes:

Educate me. I have one of these tuners but have not used it yet. But I see a Tune button on the front panel. How does it tune without pressing this button.?

Best Regards
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----- Original Message -----
From: Steve Friis
To: _ham-antennas@ham-antennasham_ (mailto:ham-antennas@yahoogroups.com)
Sent: Monday, December 29, 2008 4:08 PM
Subject: Re: [ham-antennas] Connecting the MFJ-998 tuner to the antenna feed point

It is an auto tuner.

Have a Happy New Year.

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No one can change the past, but we all influence the future.
Remember, you too can have a computer like a wigwam, No windows, no gates.
Linux User Number 481782 <_http://counter.http://_ (http://counter.li.org/) >

Dan Schaaf wrote:
> No. How do you press the tune button?

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> Dan Schaaf
> K3ZXL www.k3zxl.com "In the Beginning, there was Spark Gap"
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> From: Tom Gleeman
> To: _ham-antennas@ham-antennasham_ (mailto:ham-antennas@yahoogroups.com)
> Sent: Monday, December 29, 2008 2:51 PM
> Subject: [ham-antennas] Connecting the MFJ-998 tuner to the antenna feed
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> Hello Group,
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> Has anyone tried putting the MFJ-998, 1500 watt,
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mod
e=large&mode=tn&order=ordinal&start=1&dir=asc)
>
> Cheers.
>
> Tom
> KE6YNH, 73
> San Diego, CA
>
> [Non-text portions of this message have been removed]
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> Unsubscribe: _ham-antennas-ham-antennasham-antennasham_
(mailto:ham-antennas-unsubscribe@yahoogroups.com)
> List owner: _ham-antennas-ham-antennas-<WBham-a_
(mailto:ham-antennas-owner@yahoogroups.com)
> Yahoo! Groups Links
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[Non-text portions of this message have been removed]

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[Non-text portions of this message have been removed]

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7523. Re: [ham-antennas] Re: new 160m dipole project

Yahoo group: ham-antennas (2008)
Date: 2008-12-30 02:19:10 UTC
From: greathounder@aol.com
Topic: 7500 Message: 7523

It's kinda a back and forth dipole as in this link
http://www.hamuniverse.com/cobraantenna.html
(http://www.hamuniverse.com/cobraantenna.html) Bill
N8VWI

In a message dated 12/29/2008 8:40:57 PM Eastern Standard Time,
ke4vyn@... writes:

Cobra antenna, Bill? Is that a brand name or a 'fan' version of a
dipole?
I have a 75m dipole that is made from #6. I use it to hold up the
trees when the wind blows! haha

Lee
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www.qrz.com/www.qrz.cwww.qr

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> Cheers,
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>
> From: _ham-antennas@ From: _ham-antennas@<WBR
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> Behalf Of ke4vyn
> Sent: 29 December 2008 03:48
> To: _ham-antennas@ To: _ham-antennas@<WBR>ham-a
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> Ideas?
> Lee
> KE4VYN
>
> [Non-text portions of this message have been removed]
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[Non-text portions of this message have been removed]

7524. Re: [ham-antennas] new 160m dipole project

Yahoo group: ham-antennas (2008)
Date: 2008-12-30 02:20:59 UTC
From: Chris
Topic: 7500 Message: 7524

As much wire, as high as you can get it is never a bad thing. Man, I wish I had one 80' support, let alone enough for a loop.

Feed that thing with open wire line and you'll be surprised at how well it works.

7525. A 43 ft question??

Yahoo group: ham-antennas (2008)
Date: 2008-12-30 02:37:01 UTC
From: greathounder
Topic: 7525 Message: 7525

The directions on the 43ft antenna says it can be built 2 ways. One being heavely overlaped and using the 9ft whip for the top element. The other way is to use less over lap and use the 1 inch tube for the top element. Is there any advantage to having a thicker top, instead of the whip. They say the whip is less noticeable. In this neighborhood, who cares. Thanks Bill N8VWI

7526. Re: [ham-antennas] Re: new 160m dipole project

Yahoo group: ham-antennas (2008)
Date: 2008-12-30 02:55:44 UTC
From: Its from KE4VYN
Topic: 7500 Message: 7526

That's really not side beside. Those are daisy-changed to keep it from being long.
I was talking about 3 equal runs like a cage antenna.

Lee
KE4VYN

----- Original Message -----
From: Brian Tucker<mailto:wd4dxinga@...>
To: ham-antennas@yahoogroups.com<mailto:ham-antennas@yahoogroups.com>
Sent: Monday, December 29, 2008 7:47 PM
Subject: Re: [ham-antennas] Re: new 160m dipole project

Yep, sure would...I have one of these and I like it. The three wires next
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http://www.k1jek.com/<http://www.k1jek.com/>

No affiliation, other than owning one,

Brian
WD4DX

On Mon, Dec 29, 2008 at 8:40 PM, ke4vyn <ke4vyn@...<mailto:ke4vyn%40msn.com>> wrote:

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> > If I build it, you might hear me.
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> > From: _ham-antennas@ham-antennasham_ (mailto:ham-
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> > On
> > Behalf Of ke4vyn
> > Sent: 29 December 2008 03:48
> > To: _ham-antennas@ham-antennasham_ (mailto:ham-
> antennas@yahoogroups.com<mailto:antennas%40yahoogroups.com>
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> > Subject: [ham-antennas] new 160m dipole project
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> >
> > I'm going to feed it with 600 ohm true ladder line the height of
> the

> > 80 feet. Then use a air choke made of 9913 coax wrapped around 6"
> PVC
> > pipe to be able to run the coax into a Ameritron ATR-15.
> > Going to use the wire mostly on 160/75 and one of the questions is
> > should I use a balun for this project?
> >
> > I the balun I am thinking is a 600/50 4KW military air cooled that
> > would put at the bottom of the 600 ohm ladder line feed which is
> > feet below the feed point.
> > I live on a rocky hill side and will point this NE/NW from central
> > Alabama.
> > Thoughts would be appreciated. I have 1000 feet of #12 copper
> > stranded and one thought would be doubling or even tripling the
> wire
> > for more band width.
> > Ideas?
> > Lee
> > KE4VYN
> >
> > [Non-text portions of this message have been removed]
> >
> >
>
>
>

--
Brian Tucker

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

7527. Re: [ham-antennas] new 160m dipole project

Yahoo group: ham-antennas (2008)
Date: 2008-12-30 02:58:41 UTC
From: Its from KE4VYN
Topic: 7500 Message: 7527

That's true. Even if I don't talk any better extra wire for receiving will make a difference.
Got enough for a full WL 160, just thinking now about making a loop.

mmmm...????

Lee
KE4VYN

----- Original Message -----
From: Chris<mailto:kc2rgw@...>
To: ham-antennas@yahoogroups.com<mailto:ham-antennas@yahoogroups.com>
Sent: Monday, December 29, 2008 8:20 PM
Subject: Re: [ham-antennas] new 160m dipole project

As much wire, as high as you can get it is never a bad thing. Man, I wish I had one 80' support, let alone enough for a loop.

Feed that thing with open wire line and you'll be surprised at how well it works.

[Non-text portions of this message have been removed]

7528. Re: [ham-antennas] Connecting the MFJ-998 tuner to the antenna feed point

Yahoo group: ham-antennas (2008)
Date: 2008-12-30 02:59:55 UTC
From: Steve Friis
Topic: 7503 Message: 7528

I do NOT have any other cable attached to mine. I just feed in about 20
- 30 watts. It looks automatically to see if the frequency was used
before and uses the stored settings. If that frequency has not been used
before, it seeks out a match and then stores the info. It really is a
breeze to use and works quite well. You CAN add a cable from the
transceiver so you can use semi-automatic. Since mine is remotely
mounted, that wouldn't work for me, so I choose to use fully auto.

Have a Happy New Year.

Steve/WM5Z
No one can change the past, but we all influence the future.
Remember, you too can have a computer like a wigwam, No windows, no gates.
Linux User Number 481782 <http://counter.li.org/>

greathounder@... wrote:
>
> I haven't used mine either yet, but from what I read, you have to have the
> interface cable between the tuner and radio. Then you just use the tune button
> on the radio. I might be wrong, probably am...Bill N8VWI
>
>
> In a message dated 12/29/2008 4:13:15 PM Eastern Standard Time,
> dan-schaaf@... writes:
>
>
>
>
> Educate me. I have one of these tuners but have not used it yet. But I see a
> Tune button on the front panel. How does it tune without pressing this
> button.?
>
> Best Regards
> Dan Schaaf
> K3ZXL www.k3zxl.com "In the Beginning, there was Spark Gap"
>
> ----- Original Message -----
> From: Steve Friis
> To: _ham-antennas@ham-antennasham_ (mailto:ham-antennas@yahoogroups.com)
> Sent: Monday, December 29, 2008 4:08 PM
> Subject: Re: [ham-antennas] Connecting the MFJ-998 tuner to the antenna feed
> point
>
> It is an auto tuner.

>
> Have a Happy New Year.
>
> Steve/WM5Z
> No one can change the past, but we all influence the future.
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> Linux User Number 481782 <_http://counter.http://_ (http://counter.li.org/) >
>
> Dan Schaaf wrote:
>
>> No. How do you press the tune button?
>>
>> Best Regards
>> Dan Schaaf
>> K3ZXL www.k3zxl.com "In the Beginning, there was Spark Gap"
>>
>> ----- Original Message -----
>> From: Tom Gleeman
>> To: _ham-antennas@ham-antennasham_ (mailto:ham-antennas@yahoogroups.com)
>> Sent: Monday, December 29, 2008 2:51 PM
>> Subject: [ham-antennas] Connecting the MFJ-998 tuner to the antenna feed
>>
> point
>
>> Hello Group,
>>
>> Has anyone tried putting the MFJ-998, 1500 watt,
>> auto tuner in a water proof box and connecting the
>> antenna terminals to the antenna feed point?
>>
>> See doodle at:
>>
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> _http://groups.http://grohttp://grohttp://grhttp://groupshttp://grohttp://groups.http://
groupshttp:&mode=mo&order=order=<&start=s&dir=asc_
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icmod
> e=large&mode=tn&order=ordinal&start=1&dir=asc)
>
>> Cheers.
>>
>> Tom
>> KE6YNH, 73
>> San Diego, CA
>>
>> [Non-text portions of this message have been removed]
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>>
>> [Non-text portions of this message have been removed]
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>> ---------- ---- ---- -
>>
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> to ALL 1446 members (as of 9/26/08, and attachments are NOT permitted.
>
>> Post message: _ham-antennas@ham-antennasham_ (mailto:ham-ante
>>
> nnas@yahoogroups.com)
>
>> Subscribe: _ham-antennas-ham-antennham-antennasham_
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> (mailto:ham-antennas-subscribe@yahoogroups.com)
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>> Unsubscribe: _ham-antennas-ham-antennasham-antennasham_
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> (mailto:ham-antennas-unsubscribe@yahoogroups.com)
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>> List owner: _ham-antennas-ham-antennas-<WBham-a_
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> (mailto:ham-antennas-owner@yahoogroups.com)
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>> Yahoo! Groups Links
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> [Non-text portions of this message have been removed]
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> **********One site keeps you connected to all your email: AOL Mail,
> Gmail, and Yahoo Mail. Try it now.
> (http://www.aol.com/?optin=new-dp&icid=aolcom40vanity&ncid=emlcntaolcom00000025)
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> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
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7529. Re: [ham-antennas] Connecting the MFJ-998 tuner to the antenna feed point

Yahoo group: ham-antennas (2008)
Date: 2008-12-30 03:04:32 UTC
From: greathounder@aol.com
Topic: 7503 Message: 7529

Thanks for the info. Mine is new and so am I at this HF operating. So I'm always willing to learn. Thanks..Bill N8VWI

In a message dated 12/29/2008 10:00:09 PM Eastern Standard Time, wm5z@... writes:

I do NOT have any other cable attached to mine. I just feed in about 20 - 30 watts. It looks automatically to see if the frequency was used before and uses the stored settings. If that frequency has not been used before, it seeks out a match and then stores the info. It really is a breeze to use and works quite well. You CAN add a cable from the transceiver so you can use semi-automatic. Since mine is remotely mounted, that wouldn't work for me, so I choose to use fully auto.

Have a Happy New Year.

Steve/WM5Z
No one can change the past, but we all influence the future.
Remember, you too can have a computer like a wigwam, No windows, no gates.
Linux User Number 481782 <_http://counter.http://_ (http://counter.li.org/) >

greathounder@greatho (mailto:greathounder@...) wrote:
>
> I haven't used mine either yet, but from what I read, you have to have the
> interface cable between the tuner and radio. Then you just use the tune
button
> on the radio. I might be wrong, probably am...Bill N8VWI
>
>
> In a message dated 12/29/2008 4:13:15 PM Eastern Standard Time,
> _dan-schaaf@..._ (mailto:dan-schaaf@...) writes:
>
>
>
>
> Educate me. I have one of these tuners but have not used it yet. But I see
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> Tune button on the front panel. How does it tune without pressing this
> button.?
>
> Best Regards
> Dan Schaaf
> K3ZXL www.k3zxl.com "In the Beginning, there was Spark Gap"
>
> ----- Original Message -----

> From: Steve Friis
> To: _ham-antennas@ To: _ham-antennas@<W_ham-antennas@ham-antennasham_
(mailto:ham-antennas@yahoogroups.com))
> Sent: Monday, December 29, 2008 4:08 PM
> Subject: Re: [ham-antennas] Connecting the MFJ-998 tuner to the antenna
feed
> point
>
> It is an auto tuner.
>
> Have a Happy New Year.
>
> Steve/WM5Z
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> Linux User Number 481782 <__http://counter.http://c_
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>
> Dan Schaaf wrote:
>
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>>
>> Best Regards
>> Dan Schaaf
>> K3ZXL www.k3zxl.com "In the Beginning, there was Spark Gap"
>>
>> ----- Original Message -----
>> From: Tom Gleeman
>> To: _ham-antennas@ To: _ham-antennas@<WBR>h_ham-antennas@ham-antennasham_
(mailto:ham-antennas@yahoogroups.com))
>> Sent: Monday, December 29, 2008 2:51 PM
>> Subject: [ham-antennas] Connecting the MFJ-998 tuner to the antenna feed
>>
> point
>
>> Hello Group,
>>
>> Has anyone tried putting the MFJ-998, 1500 watt,
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>> antenna terminals to the antenna feed point?
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>> See doodle at:
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(http://groups.yahoo.com/group/ham-antennas/photos/album/402385040/pic/1934505810/view?pic
mod)
> e=large&mode=mo&order=order=<&start=s&dir=asc)
>
>> Cheers.
>>
>> Tom
>> KE6YNH, 73
>> San Diego, CA
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>> Subscribe: _ham-antennas- Subscribe: _h Subscribe: _ham-
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> (mailto:_ham-antennas-ham-antennham-antennasham_
(mailto:ham-antennas-subscribe@yahoogroups.com))
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(mailto:ham-antennas-owner@yahoogroups.com))
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>> Yahoo! Groups Links
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> ********** **********<WBR>**One site keeps you connected to all your
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>
(_http://www.aol.http://www.<WBR>n&icid=icid=<WBR>aolc&<WBR>ncid=emlcnt<WBR>ncid_
(http://www.aol.com/?optin=new-dp&icid=aolcom40vanity&ncid=emlcntaolcom00000025))
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(http://www.aol.com/?optin=new-dp&icid=aolcom40vanity&ncid=emlcntaolcom00000025)

[Non-text portions of this message have been removed]

7530. Re: [ham-antennas] Connecting the MFJ-998 tuner to the antenna feed point

Yahoo group: ham-antennas (2008)
Date: 2008-12-30 03:30:23 UTC
From: Steve Friis
Topic: 7503 Message: 7530

A good place to start is ALWAYS see what the manual says. Every brand of the same type of equipment operates in it's own way. What works for one brand may not work for another. Same for the transceiver. The manufacturers want you to enjoy your ham radio experience to the fullest. Sometimes just reading their manual can reveal a jewel and once you practice what they preach, you will find their equipment performs even better than you expect.

Hope to C U on the air. I do digi modes mostly.

Have a Happy New Year.

Steve/WM5Z
No one can change the past, but we all influence the future.
Remember, you too can have a computer like a wigwam, No windows, no gates.
Linux User Number 481782 <http://counter.li.org/>

greathounder@... wrote:
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>
> In a message dated 12/29/2008 10:00:09 PM Eastern Standard Time,
> wm5z@... writes:
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> I do NOT have any other cable attached to mine. I just feed in about 20
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> breeze to use and works quite well. You CAN add a cable from the
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> Linux User Number 481782 <_http://counter.http://_ (http://counter.li.org/) >
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> _greathounder@greatho_ (mailto:greathounder@...) wrote:
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>
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>> Tune button on the front panel. How does it tune without pressing this
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>> Best Regards
>> Dan Schaaf
>> K3ZXL www.k3zxl.com "In the Beginning, there was Spark Gap"
>>
>> ----- Original Message -----
>> From: Steve Friis
>> To: _ham-antennas@ To: _ham-antennas@<W_ham-antennas@ham-antennasham_
>>
> (mailto:ham-antennas@yahoogroups.com))
>
>> Sent: Monday, December 29, 2008 4:08 PM
>> Subject: Re: [ham-antennas] Connecting the MFJ-998 tuner to the antenna
>>
> feed
>
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>>
>> It is an auto tuner.
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>>> From: Tom Gleeman
>>> To: _ham-antennas@ To: _ham-antennas@<WBR>h_ham-antennas@ham-antennasham_
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> (mailto:ham-antennas@yahoogroups.com))
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>>> Sent: Monday, December 29, 2008 2:51 PM
>>> Subject: [ham-antennas] Connecting the MFJ-998 tuner to the antenna feed
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>>> Hello Group,
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>>> See doodle at:
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> (http://groups.yahoo.com/group/ham-antennas/photos/album/402385040/pic/1934505810/view?p
icmod)
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>> e=large&mode=mo&order=order=<&start=s&dir=asc)
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>>
>>> Cheers.
>>>
>>> Tom
>>> KE6YNH, 73
>>> San Diego, CA

>>>
>>> [Non-text portions of this message have been removed]
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>>>
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>>> Subscribe: _ham-antennas- Subscribe: _h Subscribe: _ham-
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>> (mailto:_ham-antennas-ham-antennham-antennasham_
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>>> Yahoo! Groups Links
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>> ********** **********<WBR>**One site keeps you connected to all your
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>>
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7531. RE: [ham-antennas] A 43 ft question??

Yahoo group: ham-antennas (2008)
Date: 2008-12-30 03:40:58 UTC
From: Richard Schmuke
Topic: 7525 Message: 7531

Thicker should mean a little wider resonate spot.

Rich , KDØZZ

Disclaimer: Any errors in spelling or facts are transmission errors.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of greathounder
Sent: Monday, December 29, 2008 8:37 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] A 43 ft question??

The directions on the 43ft antenna says it can be built 2 ways. One being heavely overlaped and using the 9ft whip for the top element. The other way is to use less over lap and use the 1 inch tube for the top element. Is there any advantage to having a thicker top, instead of the whip. They say the whip is less noticeable. In this neighborhood, who cares. Thanks Bill N8VWI

[Non-text portions of this message have been removed]

7532. RE: [ham-antennas] A 43 ft question??

Yahoo group: ham-antennas (2008)
Date: 2008-12-30 03:59:50 UTC
From: Jerry Stern
Topic: 7525 Message: 7532

I am not sure that is a true statement since by definition the 43' vertical is non-resonant on almost all the HF ham bands so how would the thickness of the last few feet affect the resonant badnwidth since you need a tuner across the entire band for each band?

73 Jerry K1JOS

-----Original Message-----
From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Richard Schmuke
Sent: Monday, December 29, 2008 10:41 PM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] A 43 ft question??

Thicker should mean a little wider resonate spot.

Rich , KDØZZ

Disclaimer: Any errors in spelling or facts are transmission errors.

From: ham-antennas@ <mailto:ham-antennas%40yahoogroups.com> yahoogroups.com [mailto:ham-antennas@ <mailto:ham-antennas%40yahoogroups.com> yahoogroups.com] On
Behalf Of greathounder
Sent: Monday, December 29, 2008 8:37 PM
To: ham-antennas@ <mailto:ham-antennas%40yahoogroups.com> yahoogroups.com
Subject: [ham-antennas] A 43 ft question??

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7533. RE: [ham-antennas] A 43 ft question??

Yahoo group: ham-antennas (2008)
Date: 2008-12-30 04:08:07 UTC
From: Richard Schmuke
Topic: 7525 Message: 7533

Jerry , please note my disclaimer. I do have a question about a 43 ft on 20m
, could you make it work as a ☐5/8 wave??

Rich , KDØZZ

Disclaimer: Any errors in spelling or facts are transmission errors.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On
Behalf Of Jerry Stern
Sent: Monday, December 29, 2008 10:00 PM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] A 43 ft question??

I am not sure that is a true statement since by definition the 43' vertical
is non-resonant on almost all the HF ham bands so how would the thickness of
the last few feet affect the resonant badnwidth since you need a tuner
across the entire band for each band?

73 Jerry K1JOS

-----Original Message-----
From: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
[mailto:ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
] On
Behalf Of Richard Schmuke
Sent: Monday, December 29, 2008 10:41 PM
To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
Subject: RE: [ham-antennas] A 43 ft question??

Thicker should mean a little wider resonate spot.

Rich , KDØZZ

Disclaimer: Any errors in spelling or facts are transmission errors.

From: ham-antennas@ <mailto:ham-antennas%40yahoogroups.com> yahoogroups.com
[mailto:ham-antennas@ <mailto:ham-antennas%40yahoogroups.com>
yahoogroups.com] On
Behalf Of greathounder
Sent: Monday, December 29, 2008 8:37 PM
To: ham-antennas@ <mailto:ham-antennas%40yahoogroups.com> yahoogroups.com
Subject: [ham-antennas] A 43 ft question??

The directions on the 43ft antenna says it can be built 2 ways. One
being heavely overlaped and using the 9ft whip for the top element. The
other way is to use less over lap and use the 1 inch tube for the top
element. Is there any advantage to having a thicker top, instead of the
whip. They say the whip is less noticeable. In this neighborhood, who

cares. Thanks Bill N8VWI

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[Non-text portions of this message have been removed]

7534. RE: [ham-antennas] A 43 ft question??

Yahoo group: ham-antennas (2008)
Date: 2008-12-30 05:00:54 UTC
From: Jerry Stern
Topic: 7525 Message: 7534

I have played with my DX Engineering 43' fast taper vertical quite a bit. I don;t think I can improve the radial system as I have more than sixty 40-72 feet long radials (mostly >70feet long). I have tried shortening the vertical from 43' down to 27' feet in steps that would be odd-multiples.... I have tried coax feedline lengths ranging from 10 feet (With an MFJ antenna analyzer) out to 50 feet (in 10' increments) and then from 50 feet to 150 feet coax feedline in 25' increments (my shack is only about 65-70ft from the antenna). Bottom line line I cannot find a SWR lower than 2.5 on ANY HF band anywhere and most are SWR=3-5. 15m, 17m and 20m come the closest but could not operate without a tuner. What I have found quite odd is that for those bands where SWR without a tuner is below 2.5 that the autotuner has the most difficulty especially in the low end of the 15m and 10m bands. Have not gotten a good explanation except to play with more feedline coax length to find the best spot where there is the lowest voltage standing wave at both the tuner and at the antenna feedpoints. I have to say this has been a good exercise forcing me to read much more on transmission feedline impedance and I still feel like I am just scratching at the surface of all the technical details hihi. What is frustrating with even the best vertical system is that it will never come close in performace to a tower + directional beam. I was listening to a guy no more than 20 miles from me here in CT this afternoon making multiple easy contacts on 17m to ZL and VK with only 100w and I could not even hear those stations above the band noise (and 17m was fairly quiet then compared to 20m or 40m). So we have to do the best we can... I don't think the problem with working DX from Verticals is the TX side (especially with an amp) but rather the RX side so I will experiment in early Spring hanging wire for a better receiving antenna such as a short beverage or horizontal loop.

73 de Jerry
K1JOS

-----Original Message-----
From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Richard Schmuke
Sent: Monday, December 29, 2008 11:08 PM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] A 43 ft question??

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From: ham-antennas@ <mailto:ham-antennas%40yahoogroups.com> yahoogroups.com
[mailto:ham-antennas@ <mailto:ham-antennas%40yahoogroups.com>
yahoogroups.com] On
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Sent: Monday, December 29, 2008 10:00 PM
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across the entire band for each band?

73 Jerry K1JOS

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From: ham-antennas@ <mailto:ham-antennas%40yahoogroups.com> yahoogroups.com
<mailto:ham-antennas%40yahoogroups.com>
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yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
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Behalf Of Richard Schmuke
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To: ham-antennas@ <mailto:ham-antennas%40yahoogroups.com> yahoogroups.com
<mailto:ham-antennas%40yahoogroups.com>
Subject: RE: [ham-antennas] A 43 ft question??

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From: ham-antennas@ <mailto:ham-antennas%40yahoogroups.com> yahoogroups.com
[mailto:ham-antennas@ <mailto:ham-antennas%40yahoogroups.com>
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Sent: Monday, December 29, 2008 8:37 PM
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whip. They say the whip is less noticeable. In this neighborhood, who
cares. Thanks Bill N8VWI

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[Non-text portions of this message have been removed]

7535. Re: G5IJ Polar Plot Please!

Yahoo group: ham-antennas (2008)
Date: 2008-12-30 10:26:50 UTC
From: John
Topic: 7502 Message: 7535

--- In ham-antennas@yahoogroups.com, "Chris Moore"
<danielmoore2005@...> wrote:
>
> Has anybody got a Polar Plot for a G5IJ at 20feet agl.
> The antenna is 20 meters of wire 300 ohm ribbon feeder.
> Bands needed are 80m 40m 20m.
>
> Any help be great....
>
> 2E0XLG
> Yorkshire UK

>I don't know if these plots are of any use but here is the link:-
http://www.raynet-hf.net/HFANTENNA.html
73,
John (Also in Yorkshire)

7536. Re: [ham-antennas] Connecting the MFJ-998 tuner to the antenna feed point

Yahoo group: ham-antennas (2008)
Date: 2008-12-30 13:27:20 UTC
From: Jim Coon
Topic: 7503 Message: 7536

what happens if you change the antenna? will it use the stored info
instead of recalculating the setting?

Steve Friis wrote:
>
> I do NOT have any other cable attached to mine. I just feed in about 20
> - 30 watts. It looks automatically to see if the frequency was used
> before and uses the stored settings. If that frequency has not been used
> before, it seeks out a match and then stores the info. It really is a
> breeze to use and works quite well. You CAN add a cable from the
> transceiver so you can use semi-automatic. Since mine is remotely
> mounted, that wouldn't work for me, so I choose to use fully auto.
>
> Have a Happy New Year.
>
> Steve/WM5Z
> No one can change the past, but we all influence the future.
> Remember, you too can have a computer like a wigwam, No windows, no gates.
> Linux User Number 481782 <http://counter.li.org/ <http://counter.li.org/>>
>
> greathounder@... <mailto:greathounder%40aol.com> wrote:
> >
> > I haven't used mine either yet, but from what I read, you have to
> have the
> > interface cable between the tuner and radio. Then you just use the
> tune button
> > on the radio. I might be wrong, probably am...Bill N8VWI
> >
> >
> > In a message dated 12/29/2008 4:13:15 PM Eastern Standard Time,
> > dan-schaaf@... <mailto:dan-schaaf%40att.net> writes:
> >
> >
> >
> >
> > Educate me. I have one of these tuners but have not used it yet. But
> I see a
> > Tune button on the front panel. How does it tune without pressing this
> > button.?
> >
> > Best Regards
> > Dan Schaaf
> > K3ZXL www.k3zxl.com "In the Beginning, there was Spark Gap"
> >

> > ----- Original Message -----
> > From: Steve Friis
> > To: _ham-antennas@ham-antennasham_
> (mailto:ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>)
> > Sent: Monday, December 29, 2008 4:08 PM
> > Subject: Re: [ham-antennas] Connecting the MFJ-998 tuner to the
> antenna feed
> > point
> >
> > It is an auto tuner.
> >
> > Have a Happy New Year.
> >
> > Steve/WM5Z
> > No one can change the past, but we all influence the future.
> > Remember, you too can have a computer like a wigwam, No windows, no
> gates.
> > Linux User Number 481782 <_http://counter.http://_
> <http://counter.http://_> (http://counter.li.org/
> <http://counter.li.org/>) >
> >
> > Dan Schaaf wrote:
> >
> >> No. How do you press the tune button?
> >>
> >> Best Regards
> >> Dan Schaaf
> >> K3ZXL www.k3zxl.com "In the Beginning, there was Spark Gap"
> >>
> >> ----- Original Message -----
> >> From: Tom Gleeman
> >> To: _ham-antennas@ham-antennasham_
> (mailto:ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>)
> >> Sent: Monday, December 29, 2008 2:51 PM
> >> Subject: [ham-antennas] Connecting the MFJ-998 tuner to the antenna
> feed
> >>
> > point
> >
> >> Hello Group,
> >>
> >> Has anyone tried putting the MFJ-998, 1500 watt,
> >> auto tuner in a water proof box and connecting the
> >> antenna terminals to the antenna feed point?
> >>
> >> See doodle at:
> >>
> >>

> >
> _http://groups.http://grohttp://grohttp://grhttp://groupshttp://grohttp://groups.http://
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> <http://groups.http://grohttp://grohttp://grhttp://groupshttp://grohttp://groups.http://
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>
> >
> (http://groups.yahoo.com/group/ham-antennas/photos/album/402385040/pic/1934505810/view?p
icmod
> <http://groups.yahoo.com/group/ham-antennas/photos/album/402385040/pic/1934505810/view?p
icmod>
> > e=large&mode=tn&order=ordinal&start=1&dir=asc)
> >
> >> Cheers.
> >>
> >> Tom
> >> KE6YNH, 73
> >> San Diego, CA
> >>
> >> [Non-text portions of this message have been removed]
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> >>
> >>
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> >>
> >> [Non-text portions of this message have been removed]
> >>
> >>
> >> ------------ ---- ---- -
> >>
> >> HAM ANTENNAS Anything and everything, tell us or ask questions.
> Replies go
> >>
> > to ALL 1446 members (as of 9/26/08, and attachments are NOT permitted.
> >
> >> Post message: _ham-antennas@ham-antennasham_ (mailto:ham-ante
> >>
> > nnas@yahoogroups.com <mailto:nnas%40yahoogroups.com>)
> >
> >> Subscribe: _ham-antennas-ham-antennham-antennasham_
> >>
> > (mailto:ham-antennas-subscribe@yahoogroups.com
> <mailto:ham-antennas-subscribe%40yahoogroups.com>)
> >
> >> Unsubscribe: _ham-antennas-ham-antennasham-antennasham_
> >>
> > (mailto:ham-antennas-unsubscribe@yahoogroups.com
> <mailto:ham-antennas-unsubscribe%40yahoogroups.com>)
> >
> >> List owner: _ham-antennas-ham-antennas-<WBham-a_

> >>
> > (mailto:ham-antennas-owner@yahoogroups.com
> <mailto:ham-antennas-owner%40yahoogroups.com>)
> >
> >> Yahoo! Groups Links
> >>
> >>
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> >>
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> > [Non-text portions of this message have been removed]
> >
> >
> >
> >
> >
> >
> > **********One site keeps you connected to all your email: AOL Mail,
> > Gmail, and Yahoo Mail. Try it now.
> >
> (http://www.aol.com/?optin=new-dp&icid=aolcom40vanity&ncid=emlcntaolcom00000025
> <http://www.aol.com/?optin=new-dp&icid=aolcom40vanity&ncid=emlcntaolcom00000025>)
> >
> >
> > [Non-text portions of this message have been removed]
> >
> >
> > ------------------------------------
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> > Post message: ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>
> > Subscribe: ham-antennas-subscribe@yahoogroups.com
> <mailto:ham-antennas-subscribe%40yahoogroups.com>
> > Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> <mailto:ham-antennas-unsubscribe%40yahoogroups.com>
> > List owner: ham-antennas-owner@yahoogroups.com
> <mailto:ham-antennas-owner%40yahoogroups.com>
> > Yahoo! Groups Links
> >
> >
> >
> >
> >
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>

7537. Re: [ham-antennas] new 160m dipole project

Yahoo group: ham-antennas (2008)
Date: 2008-12-30 13:34:57 UTC
From: Siegfried Jackstien
Topic: 7500 Message: 7537

you will never have 699 ohms after your ladderline so the balun will have to handle a lot of reactance
swr after the balun will be high and so you will have high loss on your coax
best 73ß s de dg9bfc
----- Original Message -----
From: Its from KE4VYN
To: ham-antennas@yahoogroups.com
Sent: Monday, December 29, 2008 11:41 PM
Subject: Re: [ham-antennas] new 160m dipole project

Hey Callum,
Long time my friend. Hope all is good in sister B'ham.

This is the balun http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=110314062973&ssPageName=ADME:X:RTQ:US:1123<http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=110314062973&ssPageName=ADME:X:RTQ:US:1123>
I have one like it. Thing cost like 3000.00 from maker.

Anyway, the ladder will be about 70 - 80 feet long. Up a tree to the main pulley. The balun will be mounted on the side of the house and a coax running inside thru a air choke.

What ya think?

Lee
KE4VYN

----- Original Message -----
From: Callum m0mcx<mailto:callum@...>
To: ham-antennas@yahoogroups.com<mailto:ham-antennas@yahoogroups.com>
Sent: Monday, December 29, 2008 2:54 PM
Subject: RE: [ham-antennas] new 160m dipole project

Lee,

If you're feeding it with ladder line via a tuner then the only reason to doubling or tripling the wire will be to strengthen it. Forget it - save the rest for another day and keep it on the reel. Regarding bandwidth, since you have a tuner - it won't matter.

Your comment doesn't mention how long the ladder line is so I can't comment about the balun too much, however I would recommend one. You will have some fiddling with impedances, but I'm sure you are already aware of this!

Cheers,

Callum McCormick

http://www.m0mcx.co.uk/<http://www.m0mcx.co.uk/>

If I build it, you might hear me.

From: ham-antennas@yahoogroups.com<mailto:ham-antennas%40yahoogroups.com>
[mailto:ham-antennas@yahoogroups.com<mailto:ham-antennas%40yahoogroups.com>] On
Behalf Of ke4vyn
Sent: 29 December 2008 03:48
To: ham-antennas@yahoogroups.com<mailto:ham-antennas%40yahoogroups.com>
Subject: [ham-antennas] new 160m dipole project

The plan is for a 160m dipole 260 feet long up in the air at the 80
foot mark.

I'm going to feed it with 600 ohm true ladder line the height of the
80 feet. Then use a air choke made of 9913 coax wrapped around 6" PVC
pipe to be able to run the coax into a Ameritron ATR-15.
Going to use the wire mostly on 160/75 and one of the questions is
should I use a balun for this project?

I the balun I am thinking is a 600/50 4KW military air cooled that I
would put at the bottom of the 600 ohm ladder line feed which is 80
feet below the feed point.

I live on a rocky hill side and will point this NE/NW from central
Alabama.

Thoughts would be appreciated. I have 1000 feet of #12 copper
stranded and one thought would be doubling or even tripling the wire
for more band width.

Ideas?

Lee
KE4VYN

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[Non-text portions of this message have been removed]

7538. Re: [ham-antennas] new 160m dipole project

Yahoo group: ham-antennas (2008)
Date: 2008-12-30 13:53:11 UTC
From: Siegfried Jackstien
Topic: 7500 Message: 7538

if you have the room try a fullwave loop
i have it here about 40-50feet above ground and it works SUPERB ....
i have to switch between 2 different lenght of feedingline but with 2 bananaplugs it is done in a second
....
i have a quarterwave lenght of feedingline for 80 from feedingpoint to the shack and another 20m feedingline that is under the roof of the house in a circle .... all 3 ends are in my shack
so switching in the additional lenght is easy ...
cause the loop is not very high above ground the impedance is quite low at the feeding point
with the ladderline i transform it to about 400-500 ohms ....
in my tuner i have a homemade balun 1:9 to bring the ipedance down to 50 ohms
on many bands i don´t use the tuner (bridged) on the other bands the tuner in the trx can tune easy the mismatch
or you can use the pi-filter in the pa if you have one ....
see file "loop.xls" in the file area
it is an excelsheet what i made for my notes
so maybe that is a solution for you
best 73´s de dg9bfc
sigi
----- Original Message -----
From: Its from KE4VYN
To: ham-antennas@yahoogroups.com
Sent: Tuesday, December 30, 2008 2:55 AM
Subject: Re: [ham-antennas] new 160m dipole project

RR!! I think that it was surplus but cant wait to get it started up.
The company still makes them but outrageously expensive.

Do you think at 80 feet it would be worth going full wave out to
500 feet? Or would that be too low to make a difference?

Lee
KE4VYN

----- Original Message -----
From: Callum m0mcx<mailto:callum@...>
To: ham-antennas@yahoogroups.com<mailto:ham-antennas@yahoogroups.com>
Sent: Monday, December 29, 2008 7:00 PM
Subject: RE: [ham-antennas] new 160m dipole project

Bl**dy hell. That's a big balun! Use it, absolutely - why not!

Callum McCormick

http://www.m0mcx.co.uk/<http://www.m0mcx.co.uk/>

If I build it, you might hear me.

From: ham-antennas@yahoogroups.com<mailto:ham-antennas@yahoogroups.com>
[mailto:ham-antennas@yahoogroups.com<mailto:ham-antennas@yahoogroups.com>] On
Behalf Of Its from KE4VYN
Sent: 29 December 2008 22:41
To: ham-antennas@yahoogroups.com<mailto:ham-antennas@yahoogroups.com>
Subject: Re: [ham-antennas] new 160m dipole project

Hey Callum,
Long time my friend. Hope all is good in sister B'ham.

This is the balun http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem<http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem>
<http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=110314062973&ssPageName=<http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=110314062973&ssPageName=>
ADME:X:RTQ:US:1123>
&item=110314062973&ssPageName=ADME:X:RTQ:US:1123<http://cgi.ebay.com/ws/eBay<http://cgi.ebay.com/ws/eBay>
ISAPI.dll?ViewItem
<http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=110314062973&ssPageName=<http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=110314062973&ssPageName=>
ADME:X:RTQ:US:1123> &item=110314062973&ssPageName=ADME:X:RTQ:US:1123>
I have one like it. Thing cost like 3000.00 from maker.

[Non-text portions of this message have been removed]

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[Non-text portions of this message have been removed]

7539. Re: [ham-antennas] new 160m dipole project

Yahoo group: ham-antennas (2008)
Date: 2008-12-30 14:01:47 UTC
From: Siegfried Jackstien
Topic: 7500 Message: 7539

build up the loop ... feed with ladderline and you have a super antenna
best 73´s de dg9bfc
----- Original Message -----
From: Its from KE4VYN
To: ham-antennas@yahoogroups.com
Sent: Tuesday, December 30, 2008 3:58 AM
Subject: Re: [ham-antennas] new 160m dipole project

That's true. Even if I don't talk any better extra wire for receiving will make a difference.
Got enough for a full WL 160, just thinking now about making a loop.

mmmm...????

Lee
KE4VYN

----- Original Message -----
From: Chris<mailto:kc2rgw@...>
To: ham-antennas@yahoogroups.com<mailto:ham-antennas@yahoogroups.com>
Sent: Monday, December 29, 2008 8:20 PM
Subject: Re: [ham-antennas] new 160m dipole project

As much wire, as high as you can get it is never a bad thing. Man, I wish I had one 80' support, let alone enough for a loop.

Feed that thing with open wire line and you'll be surprised at how well it works.

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

7540. Re: [ham-antennas] Connecting the MFJ-998 tuner to the antenna feed point

Yahoo group: ham-antennas (2008)
Date: 2008-12-30 14:03:55 UTC
From: Siegfried Jackstien
Topic: 7503 Message: 7540

to say it short
RTFM
read the f...ing manual :-)
dg9bfc
----- Original Message -----
From: Steve Friis
To: ham-antennas@yahoogroups.com
Sent: Tuesday, December 30, 2008 4:30 AM
Subject: Re: [ham-antennas] Connecting the MFJ-998 tuner to the antenna feed point

A good place to start is ALWAYS see what the manual says. Every brand of
the same type of equipment operates in it's own way. What works for one
brand may not work for another. Same for the transceiver. The
manufacturers want you to enjoy your ham radio experience to the
fullest. Sometimes just reading their manual can reveal a jewel and once
you practice what they preach, you will find their equipment performs
even better than you expect.

Hope to C U on the air. I do digi modes mostly.

Have a Happy New Year.

Steve/WM5Z
No one can change the past, but we all influence the future.
Remember, you too can have a computer like a wigwam, No windows, no gates.
Linux User Number 481782 <http://counter.li.org/>

greathounder@... wrote:
>
> Thanks for the info. Mine is new and so am I at this HF operating. So I'm
> always willing to learn. Thanks..Bill N8VWI
>
> In a message dated 12/29/2008 10:00:09 PM Eastern Standard Time,
> wm5z@... writes:
>
>
>
>
> I do NOT have any other cable attached to mine. I just feed in about 20
> - 30 watts. It looks automatically to see if the frequency was used
> before and uses the stored settings. If that frequency has not been used
> before, it seeks out a match and then stores the info. It really is a
> breeze to use and works quite well. You CAN add a cable from the
> transceiver so you can use semi-automatic. Since mine is remotely
> mounted, that wouldn't work for me, so I choose to use fully auto.

>
> Have a Happy New Year.
>
> Steve/WM5Z
> No one can change the past, but we all influence the future.
> Remember, you too can have a computer like a wigwam, No windows, no gates.
> Linux User Number 481782 <_http://counter.http://_ (http://counter.li.org/) >
>
> _greathounder@greatho_ (mailto:greathounder@...) wrote:
>
>> I haven't used mine either yet, but from what I read, you have to have the
>> interface cable between the tuner and radio. Then you just use the tune
>>
> button
>
>> on the radio. I might be wrong, probably am...Bill N8VWI
>>
>>
>> In a message dated 12/29/2008 4:13:15 PM Eastern Standard Time,
>> _dan-schaaf@..._ (mailto:dan-schaaf@...) writes:
>>
>>
>>
>>
>> Educate me. I have one of these tuners but have not used it yet. But I see
>>
> a
>
>> Tune button on the front panel. How does it tune without pressing this
>> button.?
>>
>> Best Regards
>> Dan Schaaf
>> K3ZXL www.k3zxl.com "In the Beginning, there was Spark Gap"
>>
>> ----- Original Message -----
>> From: Steve Friis
>> To: _ham-antennas@ To: _ham-antennas@<W_ham-antennas@ham-antennasham_
>>
> (mailto:ham-antennas@yahoogroups.com))
>
>> Sent: Monday, December 29, 2008 4:08 PM
>> Subject: Re: [ham-antennas] Connecting the MFJ-998 tuner to the antenna
>>
> feed
>
>> point
>>
>> It is an auto tuner.
>>

>> Have a Happy New Year.
>>
>> Steve/WM5Z
>> No one can change the past, but we all influence the future.
>> Remember, you too can have a computer like a wigwam, No windows, no gates.
>> Linux User Number 481782 <__http://counter.http://c_
>>
> (http://counter.http//_) (_http://counter.http://_ (http://counter.li.org/)) >
>
>> Dan Schaaf wrote:
>>
>>
>>> No. How do you press the tune button?
>>>
>>> Best Regards
>>> Dan Schaaf
>>> K3ZXL www.k3zxl.com "In the Beginning, there was Spark Gap"
>>>
>>> ----- Original Message -----
>>> From: Tom Gleeman
>>> To: _ham-antennas@ To: _ham-antennas@<WBR>h_ham-antennas@ham-antennasham_
>>>
> (mailto:ham-antennas@yahoogroups.com))
>
>>> Sent: Monday, December 29, 2008 2:51 PM
>>> Subject: [ham-antennas] Connecting the MFJ-998 tuner to the antenna feed
>>>
>>>
>> point
>>
>>
>>> Hello Group,
>>>
>>> Has anyone tried putting the MFJ-998, 1500 watt,
>>> auto tuner in a water proof box and connecting the
>>> antenna terminals to the antenna feed point?
>>>
>>> See doodle at:
>>>
>>>
>>>
> __http://groups.http://groups.http://grohttp://grhttp://groupshttp://grohttp://grhttp://groups.<Wht&mode=mo&<WBR>order=o_
> (http://groups.http//grohttp://grohttp://grhttp://groupshttp://grohttp://groups.http://groupshttp:&mode=mo&ord
> er=order=) <&start=s&dir=dir=<WBR>
>
> (_http://groups.http://grohttp://grohttp://grhttp://groupshttp://grohttp://groups.http://grou_
> (http://groups.yahoo.com/group/ham-antennas/photos/album/402385040/pic/1934505810/view?p

icmod)
>
>> e=large&mode=mo&order=order=<&start=s&dir=asc)
>>
>>
>>> Cheers.
>>>
>>> Tom
>>> KE6YNH, 73
>>> San Diego, CA
>>>
>>> [Non-text portions of this message have been removed]
>>>
>>>
>>>
>>>
>>>
>>> [Non-text portions of this message have been removed]
>>>
>>>
>>> ------------ ---- ---- -
>>>
>>> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies
>>>
> go
>
>> to ALL 1446 members (as of 9/26/08, and attachments are NOT permitted.
>>
>>
>>> Post message: _ham-antennas@ Post message: _ham-anten Pos
>>>
>>>
>> _nnas@..._ (mailto:nnas@yahoogroups.com))
>>
>>
>>> Subscribe: _ham-antennas- Subscribe: _h Subscribe: _ham-
>>>
>>>
>> (mailto:_ham-antennas-ham-antennham-antennasham_
>>
> (mailto:ham-antennas-subscribe@yahoogroups.com))
>
>>> Unsubscribe: _ham-antennas- Unsubscribe: Unsubscribe:
>>>
>>>
>> (mailto:_ham-antennas-ham-antennasham-antennasham_
>>
> (mailto:ham-antennas-unsubscribe@yahoogroups.com))
>
>>> List owner: _ham-antennas- List owner: <WBham-a_
>>>

>>>
>> (mailto:_ham-antennas-ham-antennas-<WBham-a_
>>
> (mailto:ham-antennas-owner@yahoogroups.com))
>
>>> Yahoo! Groups Links
>>>
>>>
>>>
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>>>
>>>
>> [Non-text portions of this message have been removed]
>>
>>
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>>
>>
>>
>> ********** **********<WBR>**One site keeps you connected to all your
>> Gmail, and Yahoo Mail. Try it now.
>>
>>
> (_http://www.aol.http://www.<WBR>n&icid=icid=<WBR>aolc&<WBR>ncid=emlcnt<WBR>ncid_
> (http://www.aol.com/?optin=new-dp&icid=aolcom40vanity&ncid=emlcntaolcom00000025))
>
>> [Non-text portions of this message have been removed]
>>
>>
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>> Post message: _ham-antennas@ham-antennasham_
>>
> (mailto:ham-antennas@yahoogroups.com)
>
>> Subscribe: _ham-antennas-ham-antennham-antennasham_
>>
> (mailto:ham-antennas-subscribe@yahoogroups.com)
>
>> Unsubscribe: _ham-antennas-ham-antennasham-antennasham_
>>
> (mailto:ham-antennas-unsubscribe@yahoogroups.com)
>
>> List owner: _ham-antennas-ham-antennas-<WBham-a_
>>

> (mailto:ham-antennas-owner@yahoogroups.com)
>
>> Yahoo! Groups Links
>>
>>
>>
>>
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>
>
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>
>
> **********One site keeps you connected to all your email: AOL Mail,
> Gmail, and Yahoo Mail. Try it now.
> (http://www.aol.com/?optin=new-dp&icid=aolcom40vanity&ncid=emlcntaolcom00000025)
>
>
> [Non-text portions of this message have been removed]
>
>
> ------------------------------------
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> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
>
>

[Non-text portions of this message have been removed]

7541. Re: [ham-antennas] A 43 ft question??

Yahoo group: ham-antennas (2008)
Date: 2008-12-30 14:07:49 UTC
From: Siegfried Jackstien
Topic: 7525 Message: 7541

put a capacitor in series and you have a quarterwave (extendet) for 40
put a coil in series and you have a 5/8 for 20
should work well
there is also a dualband network possible to work on both bands without switching
best 73´s de dg9bfc
----- Original Message -----
From: Richard Schmuke
To: ham-antennas@yahoogroups.com
Sent: Tuesday, December 30, 2008 5:08 AM
Subject: RE: [ham-antennas] A 43 ft question??

Jerry , please note my disclaimer. I do have a question about a 43 ft on 20m
, could you make it work as a '5/8 wave??

Rich , KDØZZ

Disclaimer: Any errors in spelling or facts are transmission errors.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On
Behalf Of Jerry Stern
Sent: Monday, December 29, 2008 10:00 PM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] A 43 ft question??

I am not sure that is a true statement since by definition the 43' vertical
is non-resonant on almost all the HF ham bands so how would the thickness of
the last few feet affect the resonant badnwidth since you need a tuner
across the entire band for each band?

73 Jerry K1JOS

-----Original Message-----
From: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
[mailto:ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
] On
Behalf Of Richard Schmuke
Sent: Monday, December 29, 2008 10:41 PM
To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
Subject: RE: [ham-antennas] A 43 ft question??

Thicker should mean a little wider resonate spot.

Rich , KDØZZ

Disclaimer: Any errors in spelling or facts are transmission errors.

From: ham-antennas@ <mailto:ham-antennas%40yahoogroups.com> yahoogroups.com
[mailto:ham-antennas@ <mailto:ham-antennas%40yahoogroups.com>

yahoogroups.com] On
Behalf Of greathounder
Sent: Monday, December 29, 2008 8:37 PM
To: ham-antennas@ <mailto:ham-antennas%40yahoogroups.com> yahoogroups.com
Subject: [ham-antennas] A 43 ft question??

The directions on the 43ft antenna says it can be built 2 ways. One being heavely overlaped and using the 9ft whip for the top element. The other way is to use less over lap and use the 1 inch tube for the top element. Is there any advantage to having a thicker top, instead of the whip. They say the whip is less noticeable. In this neighborhood, who cares. Thanks Bill N8VWI

[Non-text portions of this message have been removed]

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[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

7542. Re: [ham-antennas] Connecting the MFJ-998 tuner to the antenna feed point

Yahoo group: ham-antennas (2008)
Date: 2008-12-30 14:24:59 UTC
From: Steve Friis
Topic: 7503 Message: 7542

Good question. But, since mine is hooked up to only one antenna, no way
to tell. It is on my multi-band Fan antenna covering 160-30 meters.

Have a Happy New Year.

Steve/WM5Z
No one can change the past, but we all influence the future.
Remember, you too can have a computer like a wigwam, No windows, no gates.
Linux User Number 481782 <http://counter.li.org/>

Jim Coon wrote:
> what happens if you change the antenna? will it use the stored info
> instead of recalculating the setting?
>
> Steve Friis wrote:
>
>> I do NOT have any other cable attached to mine. I just feed in about 20
>> - 30 watts. It looks automatically to see if the frequency was used
>> before and uses the stored settings. If that frequency has not been used
>> before, it seeks out a match and then stores the info. It really is a
>> breeze to use and works quite well. You CAN add a cable from the
>> transceiver so you can use semi-automatic. Since mine is remotely
>> mounted, that wouldn't work for me, so I choose to use fully auto.
>>
>> Have a Happy New Year.
>>
>> Steve/WM5Z
>> No one can change the past, but we all influence the future.
>> Remember, you too can have a computer like a wigwam, No windows, no gates.
>> Linux User Number 481782 <http://counter.li.org/ <http://counter.li.org/>>
>>
>> greathounder@... <mailto:greathounder%40aol.com> wrote:
>>
>>> I haven't used mine either yet, but from what I read, you have to
>>>
>> have the
>>
>>> interface cable between the tuner and radio. Then you just use the
>>>
>> tune button
>>
>>> on the radio. I might be wrong, probably am...Bill N8VWI
>>>
>>>

>>> In a message dated 12/29/2008 4:13:15 PM Eastern Standard Time,
>>> dan-schaaf@... <mailto:dan-schaaf%40att.net> writes:
>>>
>>>
>>>
>>>
>>> Educate me. I have one of these tuners but have not used it yet. But
>>>
>> I see a
>>
>>> Tune button on the front panel. How does it tune without pressing this
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>>>
>>> Best Regards
>>> Dan Schaaf
>>> K3ZXL www.k3zxl.com "In the Beginning, there was Spark Gap"
>>>
>>> ----- Original Message -----
>>> From: Steve Friis
>>> To: _ham-antennas@ham-antennasham_
>>>
>> (mailto:ham-antennas@yahoogroups.com
>> <mailto:ham-antennas%40yahoogroups.com>)
>>
>>> Sent: Monday, December 29, 2008 4:08 PM
>>> Subject: Re: [ham-antennas] Connecting the MFJ-998 tuner to the
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>> antenna feed
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>>> point
>>>
>>> It is an auto tuner.
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>>> Have a Happy New Year.
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>>> Linux User Number 481782 <_http://counter.http://_
>>>
>> <http://counter.http://_> (http://counter.li.org/
>> <http://counter.li.org/>) >
>>
>>> Dan Schaaf wrote:
>>>
>>>
>>>> No. How do you press the tune button?

>>>>
>>>> Best Regards
>>>> Dan Schaaf
>>>> K3ZXL www.k3zxl.com "In the Beginning, there was Spark Gap"
>>>>
>>>> ----- Original Message -----
>>>> From: Tom Gleeman
>>>> To: _ham-antennas@ham-antennasham_
>>>>
>> (mailto:ham-antennas@yahoogroups.com
>> <mailto:ham-antennas%40yahoogroups.com>)
>>
>>>> Sent: Monday, December 29, 2008 2:51 PM
>>>> Subject: [ham-antennas] Connecting the MFJ-998 tuner to the antenna
>>>>
>> feed
>>
>>> point
>>>
>>>
>>>> Hello Group,
>>>>
>>>> Has anyone tried putting the MFJ-998, 1500 watt,
>>>> auto tuner in a water proof box and connecting the
>>>> antenna terminals to the antenna feed point?
>>>>
>>>> See doodle at:
>>>>
>>>>
>>>>
>> _http://groups.http://grohttp://grohttp://grhttp://groupshttp://grohttp://groups.http:/
/groupshttp:&mode=mo&order=order=
>> <http://groups.http://grohttp://grohttp://grhttp://groupshttp://grohttp://groups.http:/
/groupshttp:&mode=mo&order=order=><&start=s&dir=asc_
>>
>>
>> (http://groups.yahoo.com/group/ham-antennas/photos/album/402385040/pic/1934505810/view?
picmod
>> <http://groups.yahoo.com/group/ham-antennas/photos/album/402385040/pic/1934505810/view?
picmod>
>>
>>> e=large&mode=tn&order=ordinal&start=1&dir=asc)
>>>
>>>
>>>> Cheers.
>>>>
>>>> Tom
>>>> KE6YNH, 73
>>>> San Diego, CA
>>>>

>>>> [Non-text portions of this message have been removed]
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>>>>
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>>>>
>>>>
>>>> [Non-text portions of this message have been removed]
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>>>>
>>>> ---------- ---- ---- -
>>>>
>>>> HAM ANTENNAS Anything and everything, tell us or ask questions.
>>>>
>> Replies go
>>
>>> to ALL 1446 members (as of 9/26/08, and attachments are NOT permitted.
>>>
>>>
>>>> Post message: _ham-antennas@ham-antennasham_ (mailto:ham-ante
>>>>
>>>>
>>> nnas@yahoogroups.com <mailto:nnas%40yahoogroups.com>)
>>>
>>>
>>>> Subscribe: _ham-antennas-ham-antennham-antennasham_
>>>>
>>>>
>>> (mailto:ham-antennas-subscribe@yahoogroups.com
>>>
>> <mailto:ham-antennas-subscribe%40yahoogroups.com>)
>>
>>>> Unsubscribe: _ham-antennas-ham-antennasham-antennasham_
>>>>
>>>>
>>> (mailto:ham-antennas-unsubscribe@yahoogroups.com
>>>
>> <mailto:ham-antennas-unsubscribe%40yahoogroups.com>)
>>
>>>> List owner: _ham-antennas-ham-antennas-<WBham-a_
>>>>
>>>>
>>> (mailto:ham-antennas-owner@yahoogroups.com
>>>
>> <mailto:ham-antennas-owner%40yahoogroups.com>)
>>
>>>> Yahoo! Groups Links
>>>>
>>>>
>>>>
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>>>>
>>> [Non-text portions of this message have been removed]
>>>
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>>>
>>>
>>>
>>>
>>> **********One site keeps you connected to all your email: AOL Mail,
>>> Gmail, and Yahoo Mail. Try it now.
>>>
>>>
>> (http://www.aol.com/?optin=new-dp&icid=aolcom40vanity&ncid=emlcntaolcom00000025
>> <http://www.aol.com/?optin=new-dp&icid=aolcom40vanity&ncid=emlcntaolcom00000025>)
>>
>>> [Non-text portions of this message have been removed]
>>>
>>>
>>> ------------------------------------
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>>
>>> Post message: ham-antennas@yahoogroups.com
>>>
>> <mailto:ham-antennas%40yahoogroups.com>
>>
>>> Subscribe: ham-antennas-subscribe@yahoogroups.com
>>>
>> <mailto:ham-antennas-subscribe%40yahoogroups.com>
>>
>>> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
>>>
>> <mailto:ham-antennas-unsubscribe%40yahoogroups.com>
>>
>>> List owner: ham-antennas-owner@yahoogroups.com
>>>
>> <mailto:ham-antennas-owner%40yahoogroups.com>
>>
>>> Yahoo! Groups Links
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> ----------
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> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
>
>

7543. Re: A 43 ft question??

Yahoo group: ham-antennas (2008)
Date: 2008-12-30 14:54:23 UTC
From: billncolo36
Topic: 7525 Message: 7543

I believe that the statement is true.
First, we usually try to "operate" antennas near resonance, even if it is non-resonant by itself (that is in part what tuners are for).
Second, the bandwidth of an anntenna around resonance is determined by it's loaded Q. The higher the loaded Q, the more efficient the antenna is, but the bandwidth will be less. The Q will increase as the losses decrease. The losses will decrease for a vertical will decrease as the diameter of the radiator element is increased. The most reduction in loss occurs when the base diameter is increased, with almost no improvement from increasing the diameter at the top.
So, I think the answer to the original question is that there will probably be little/no measurable difference in loss resulting from the use a small diameter whip at the top. The bandwidth may be reduced slightly.

Bill N0CU

--- In ham-antennas@yahoogroups.com, "Jerry Stern" <jsternmd@...>
wrote:
>
> I am not sure that is a true statement since by definition the 43'
vertical
> is non-resonant on almost all the HF ham bands so how would the
thickness of
> the last few feet affect the resonant badnwidth since you need a
tuner
> across the entire band for each band?
>
> 73 Jerry K1JOS
>
> -----Original Message-----
> From: ham-antennas@yahoogroups.com [mailto:ham-
antennas@yahoogroups.com] On
> Behalf Of Richard Schmuke
> Sent: Monday, December 29, 2008 10:41 PM
> To: ham-antennas@yahoogroups.com
> Subject: RE: [ham-antennas] A 43 ft question??
>
>
>
> Thicker should mean a little wider resonate spot.
>
> Rich , KDØZZ
>
> Disclaimer: Any errors in spelling or facts are transmission errors.

>
> From: ham-antennas@ <mailto:ham-antennas%40yahoogroups.com>
yahoogroups.com
> [mailto:ham-antennas@ <mailto:ham-antennas%40yahoogroups.com>
> yahoogroups.com] On
> Behalf Of greathounder
> Sent: Monday, December 29, 2008 8:37 PM
> To: ham-antennas@ <mailto:ham-antennas%40yahoogroups.com>
yahoogroups.com
> Subject: [ham-antennas] A 43 ft question??
>
> The directions on the 43ft antenna says it can be built 2 ways. One
> being heavely overlaped and using the 9ft whip for the top element.
The
> other way is to use less over lap and use the 1 inch tube for the
top
> element. Is there any advantage to having a thicker top, instead of
the
> whip. They say the whip is less noticeable. In this neighborhood,
who
> cares. Thanks Bill N8VWI
>
> [Non-text portions of this message have been removed]
>
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>
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>
> [Non-text portions of this message have been removed]
>

7544. Re: [ham-antennas] A 43 ft question??

Yahoo group: ham-antennas (2008)
Date: 2008-12-30 15:11:43 UTC
From: Dan Schaaf
Topic: 7525 Message: 7544

Here is the question:

1) You can spend $400 for the 43 ft antenna and additional money for a remote tuner

2) You can buy the new Cushcraft MAV160 for $250 which is linear loaded and then put capacitors at the base for 80 and 40 meters. Then use an MFJ remote switch to switch in/out the capacitors

Which is the best solution?

The MAV160 is resonant on 160. This is my dilemma for a future purchase. And the MAV160 is shorter in length. In addition, a tuner in the shack can make fine tune compensation in addition to the capacitors at the base of the MAV160.

Opinions?

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com "In the Beginning, there was Spark Gap"
.net
==========
----- Original Message -----
From: Siegfried Jackstien
To: ham-antennas@yahoogroups.com
Sent: Tuesday, December 30, 2008 9:07 AM
Subject: Re: [ham-antennas] A 43 ft question??

put a capacitor in series and you have a quarterwave (extendet) for 40
put a coil in series and you have a 5/8 for 20
should work well
there is also a dualband network possible to work on both bands without switching
best 73´s de dg9bfc
----- Original Message -----
From: Richard Schmuke
To: ham-antennas@yahoogroups.com
Sent: Tuesday, December 30, 2008 5:08 AM
Subject: RE: [ham-antennas] A 43 ft question??

Jerry , please note my disclaimer. I do have a question about a 43 ft on 20m
, could you make it work as a '5/8 wave??

Rich , KDØZZ

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From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On
Behalf Of Jerry Stern
Sent: Monday, December 29, 2008 10:00 PM

To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] A 43 ft question??

I am not sure that is a true statement since by definition the 43' vertical is non-resonant on almost all the HF ham bands so how would the thickness of the last few feet affect the resonant badnwidth since you need a tuner across the entire band for each band?

73 Jerry K1JOS

-----Original Message-----
From: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
[mailto:ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
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Behalf Of Richard Schmuke
Sent: Monday, December 29, 2008 10:41 PM
To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
Subject: RE: [ham-antennas] A 43 ft question??

Thicker should mean a little wider resonate spot.

Rich , KDØZZ

Disclaimer: Any errors in spelling or facts are transmission errors.

From: ham-antennas@ <mailto:ham-antennas%40yahoogroups.com> yahoogroups.com
[mailto:ham-antennas@ <mailto:ham-antennas%40yahoogroups.com>
yahoogroups.com] On
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To: ham-antennas@ <mailto:ham-antennas%40yahoogroups.com> yahoogroups.com
Subject: [ham-antennas] A 43 ft question??

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[Non-text portions of this message have been removed]

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[Non-text portions of this message have been removed]

7545. RE: [ham-antennas] Re: A 43 ft question??

Yahoo group: ham-antennas (2008)
Date: 2008-12-30 15:33:19 UTC
From: Jerry Stern
Topic: 7525 Message: 7545

I would like to challenge (only for the sake of learning) the statement in the context we were discussing. Perhaps going from small gauge solid copper wire to larger gauge solid wire you would have less loss so higher Q but please show me a reference that will explain how a 1" diameter aluminum pole will have more loss than a 1.5" or even 2" diameter pole? There has to be a point beyond which the diameter makes essentially no difference in the calculations

73 Jerry
K1JOS

-----Original Message-----
From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of billncolo36
Sent: Tuesday, December 30, 2008 9:54 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: A 43 ft question??

I believe that the statement is true.
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So, I think the answer to the original question is that there will probably be little/no measurable difference in loss resulting from the use a small diameter whip at the top. The bandwidth may be reduced slightly.

Bill N0CU

--- In ham-antennas@ <mailto:ham-antennas%40yahoogroups.com>
yahoogroups.com, "Jerry Stern" <jsternmd@...>
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> the last few feet affect the resonant badnwidth since you need a
tuner
> across the entire band for each band?

>
> 73 Jerry K1JOS
>
> -----Original Message-----
> From: ham-antennas@ <mailto:ham-antennas%40yahoogroups.com>
yahoogroups.com [mailto:ham-
antennas@yahoogroup <mailto:antennas%40yahoogroups.com> s.com] On
> Behalf Of Richard Schmuke
> Sent: Monday, December 29, 2008 10:41 PM
> To: ham-antennas@ <mailto:ham-antennas%40yahoogroups.com> yahoogroups.com
> Subject: RE: [ham-antennas] A 43 ft question??
>
>
>
> Thicker should mean a little wider resonate spot.
>
> Rich , KDØZZ
>
> Disclaimer: Any errors in spelling or facts are transmission errors.
>
> From: ham-antennas@ <mailto:ham-antennas%40yahoogroups.com>
yahoogroups.com
> [mailto:ham-antennas@ <mailto:ham-antennas%40yahoogroups.com>
> yahoogroups.com] On
> Behalf Of greathounder
> Sent: Monday, December 29, 2008 8:37 PM
> To: ham-antennas@ <mailto:ham-antennas%40yahoogroups.com>
yahoogroups.com
> Subject: [ham-antennas] A 43 ft question??
>
> The directions on the 43ft antenna says it can be built 2 ways. One
> being heavely overlaped and using the 9ft whip for the top element.
The
> other way is to use less over lap and use the 1 inch tube for the
top
> element. Is there any advantage to having a thicker top, instead of
the
> whip. They say the whip is less noticeable. In this neighborhood,
who
> cares. Thanks Bill N8VWI
>
> [Non-text portions of this message have been removed]
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> [Non-text portions of this message have been removed]

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[Non-text portions of this message have been removed]

7546. Re: [ham-antennas] Re: A 43 ft question??

Yahoo group: ham-antennas (2008)
Date: 2008-12-30 17:21:16 UTC
From: Steve Friis
Topic: 7525 Message: 7546

I think it is at the point where the diameter is equal to the radiator length. But, keep in mind that approaching those ratios have their own problems. For one, calculating the length by formula is really interesting. Another would be feeding it. On paper it looks easy, in actuality, it doesn't work.

Have a Happy New Year.

Steve/WM5Z
No one can change the past, but we all influence the future.
Remember, you too can have a computer like a wigwam, No windows, no gates.
Linux User Number 481782 <http://counter.li.org/>

Jerry Stern wrote:
> I would like to challenge (only for the sake of learning) the statement in
> the context we were discussing. Perhaps going from small gauge solid copper
> wire to larger gauge solid wire you would have less loss so higher Q but
> please show me a reference that will explain how a 1" diameter aluminum pole
> will have more loss than a 1.5" or even 2" diameter pole? There has to be a
> point beyond which the diameter makes essentially no difference in the
> calculations
>
> 73 Jerry
> K1JOS
>
> -----Original Message-----
> From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On
> Behalf Of billncolo36
> Sent: Tuesday, December 30, 2008 9:54 AM
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] Re: A 43 ft question??
>
>
>
> I believe that the statement is true.
> First, we usually try to "operate" antennas near resonance, even if
> it is non-resonant by itself (that is in part what tuners are for).
> Second, the bandwidth of an anntenna around resonance is determined
> by it's loaded Q. The higher the loaded Q, the more efficient the
> antenna is, but the bandwidth will be less. The Q will increase as
> the losses decrease. The losses will decrease for a vertical will
> decrease as the diameter of the radiator element is increased. The
> most reduction in loss occurs when the base diameter is increased,
> with almost no improvement from increasing the diameter at the top.
> So, I think the answer to the original question is that there will
> probably be little/no measurable difference in loss resulting from

> the use a small diameter whip at the top. The bandwidth may be
> reduced slightly.
>
> Bill N0CU
>
> --- In ham-antennas@ <mailto:ham-antennas%40yahoogroups.com>
> yahoogroups.com, "Jerry Stern" <jsternmd@...>
> wrote:
>
>> I am not sure that is a true statement since by definition the 43'
>>
> vertical
>
>> is non-resonant on almost all the HF ham bands so how would the
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> thickness of
>
>> the last few feet affect the resonant badnwidth since you need a
>>
> tuner
>
>> across the entire band for each band?
>>
>> 73 Jerry K1JOS
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>> -----Original Message-----
>> From: ham-antennas@ <mailto:ham-antennas%40yahoogroups.com>
>>
> yahoogroups.com [mailto:ham-
> antennas@yahoogroup <mailto:antennas%40yahoogroups.com> s.com] On
>
>> Behalf Of Richard Schmuke
>> Sent: Monday, December 29, 2008 10:41 PM
>> To: ham-antennas@ <mailto:ham-antennas%40yahoogroups.com> yahoogroups.com
>> Subject: RE: [ham-antennas] A 43 ft question??
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>> Thicker should mean a little wider resonate spot.
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>> Rich , KD?ZZ
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>> Disclaimer: Any errors in spelling or facts are transmission errors.
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>> From: ham-antennas@ <mailto:ham-antennas%40yahoogroups.com>
>>
> yahoogroups.com
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>> [mailto:ham-antennas@ <mailto:ham-antennas%40yahoogroups.com>
>> yahoogroups.com] On

>> Behalf Of greathounder
>> Sent: Monday, December 29, 2008 8:37 PM
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> [Non-text portions of this message have been removed]
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> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 1446 members (as of 9/26/08, and attachments are NOT permitted.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
>
>

7547. New file uploaded to ham-antennas

Yahoo group: ham-antennas (2008)
Date: 2008-12-30 18:12:21 UTC
From: ham-antennas@yahoogroups.com
Topic: 389 Message: 7547

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the ham-antennas
group.

File : /Telescoping Antenna Design.JPG
Uploaded by : kugellagers <kugellager@...>
Description : Telescoping Antenna Design - Untested 12/30/08

You can access this file at the URL:
http://groups.yahoo.com/group/ham-antennas/files/Telescoping%20Antenna%20Design.JPG

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/members/web/index.htmlfiles

Regards,

kugellagers <kugellager@...>

7548. RE: [ham-antennas] new 160m dipole project

Yahoo group: ham-antennas (2008)
Date: 2008-12-30 18:29:52 UTC
From: Callum m0mcx
Topic: 7500 Message: 7548

Kevin,

At 80 feet, this will work fabulously. Have you seen my articles on large loop equilateral triangles? If you can get this into a triangle, all the better. My two-wavelength loop is at about 80 ☐ 85 feet too. I can hold a pile-up into Washington on 10 watts!

Yes, use the balun on the ground with ladder line up to the loop. You will get some strange impedances and you may have to lengthen / shorten the ladderline. If James is reading this, he may be able to add some further info.

Cheers,

Callum McCormick
http://www.m0mcx.co.uk/

If I build it, you might hear me.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Its from KE4VYN
Sent: 30 December 2008 01:55
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] new 160m dipole project

RR!! I think that it was surplus but cant wait to get it started up. The company still makes them but outrageously expensive.

Do you think at 80 feet it would be worth going full wave out to 500 feet? Or would that be too low to make a difference?

Lee
KE4VYN

----- Original Message -----
From: Callum m0mcx<mailto:callum@...>
To: ham-antennas@yahoogroups.com<mailto:ham-antennas@yahoogroups.com>
Sent: Monday, December 29, 2008 7:00 PM
Subject: RE: [ham-antennas] new 160m dipole project

Bl**dy hell. That's a big balun! Use it, absolutely - why not!

Callum McCormick

http://www.m0mcx.co.uk/<http://www.m0mcx.co.uk/>

If I build it, you might hear me.

From: ham-antennas@yahoogroups.com<mailto:ham-antennas@yahoogroups.com>
[mailto:ham-antennas@yahoogroups.com<mailto:ham-antennas@yahoogroups.com>]
On
Behalf Of Its from KE4VYN
Sent: 29 December 2008 22:41
To: ham-antennas@yahoogroups.com<mailto:ham-antennas@yahoogroups.com>
Subject: Re: [ham-antennas] new 160m dipole project

Hey Callum,
Long time my friend. Hope all is good in sister B'ham.

This is the balun
http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem<http://cgi.ebay.com/ws/eBayISA
PI.dll?ViewItem>
<http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=110314062973&ssPageName=
<http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=110314062973&ssPageName=
>
ADME:X:RTQ:US:1123>
&item=110314062973&ssPageName=ADME:X:RTQ:US:1123<http://cgi.ebay.com/ws/eBay
<http://cgi.ebay.com/ws/eBay>
ISAPI.dll?ViewItem
<http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=110314062973&ssPageName=
<http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=110314062973&ssPageName=
>
ADME:X:RTQ:US:1123> &item=110314062973&ssPageName=ADME:X:RTQ:US:1123>
I have one like it. Thing cost like 3000.00 from maker.

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

7549. Re: Telescoping Multiband Omnidirectional Vertical Antenna Idea - Is it workable?

Yahoo group: ham-antennas (2008)
Date: 2008-12-30 18:33:25 UTC
From: kugellagers
Topic: 7485 Message: 7549

--- In ham-antennas@yahoogroups.com, "Richard Schmuke" <rdj@...> wrote:
>
> Hello John,
>
> Glad to hear from someone who would rather build than
buy ,for me that is the fun part. I am not real clear on your feeding
point for your antenna but if you are thinking about a sliding feed
point, say a roller or a BeCu spring, you can make it work at a set
frequency at the point of highest extension but if you lower the
antenna from the set point that is resonate the unused part becomes a
variable capacitor to the grounded pipe EMT it will be in . I don't
think that will work for transmitting but I am not sure, any ideas
> guys???.
>
>
>
> Rich , KDØZZ

I have included a diagram in the 'Files' section. Maybe that will help
some?

My reasoning behind the design is that the copper antenna inside of the
PVC/Electrical conduit is that I hoped it would behave more as coax
cable would as it is similar in physical desgn (although much larger)
to coax (the metal surrounding a non-conducting material surrounding
the signal-path conductor). At least that was the logic behind the
idea.

John
];')

7550. Special message

Yahoo group: ham-antennas (2008)
Date: 2008-12-30 18:41:52 UTC
From: Robert
Topic: 7550 Message: 7550

```
Just a note to say HAPPY NEW YEAR!!!
73's de KE5VNX
```

7551. Re: A 43 ft question??

Yahoo group: ham-antennas (2008)
Date: 2008-12-30 18:45:14 UTC
From: billncolo36
Topic: 7525 Message: 7551

Jerry, Good question, however, the answer is very dependent on the type of antenna, soil conditions, etc. One of Cebik's articles ("Antenna Bandwidth") models a dipole for various element diameters. You can download the article from his website, but the bottom-line is that dipole bandwidth nearly doubles going from #28 AWG to 1 inch diameter. On 3.5 MHz, this means that 170 KHz goes to 300 KHz. Verticals are more complicated due to the effect of ground losses, but the trend is the same. Shortened verticals are especially sensitive to element diameter, and that is when wire cages (frequently 6-12 inches in diameter) and capacitive "hats" are frequently used. For me, I usually spend most of my time dealing with take-off angles, which can make 10's of dB of difference and ground losses. I have noticed that the 43 ft verticals do a good job on 20M (where the models predict good performance), but I suspect some of the owners of these antennas are dissappointed with them on some of the other bands.
Bill N0CU

--- In ham-antennas@yahoogroups.com, "Jerry Stern" <jsternmd@...>
wrote:
>
> I would like to challenge (only for the sake of learning) the
statement in
> the context we were discussing. Perhaps going from small gauge
solid copper
> wire to larger gauge solid wire you would have less loss so higher
Q but
> please show me a reference that will explain how a 1" diameter
aluminum pole
> will have more loss than a 1.5" or even 2" diameter pole? There
has to be a
> point beyond which the diameter makes essentially no difference in
the
> calculations
>
> 73 Jerry
> K1JOS
>
> -----Original Message-----
> From: ham-antennas@yahoogroups.com [mailto:ham-
antennas@yahoogroups.com] On
> Behalf Of billncolo36
> Sent: Tuesday, December 30, 2008 9:54 AM
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] Re: A 43 ft question??

>
>
>
> I believe that the statement is true.
> First, we usually try to "operate" antennas near resonance, even if
> it is non-resonant by itself (that is in part what tuners are for).
> Second, the bandwidth of an anntenna around resonance is determined
> by it's loaded Q. The higher the loaded Q, the more efficient the
> antenna is, but the bandwidth will be less. The Q will increase as
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> decrease as the diameter of the radiator element is increased. The
> most reduction in loss occurs when the base diameter is increased,
> with almost no improvement from increasing the diameter at the top.
> So, I think the answer to the original question is that there will
> probably be little/no measurable difference in loss resulting from
> the use a small diameter whip at the top. The bandwidth may be
> reduced slightly.
>
> Bill N0CU
>
> --- In ham-antennas@ <mailto:ham-antennas%40yahoogroups.com>
> yahoogroups.com, "Jerry Stern" <jsternmd@>
> wrote:
> >
> > I am not sure that is a true statement since by definition the
43'
> vertical
> > is non-resonant on almost all the HF ham bands so how would the
> thickness of
> > the last few feet affect the resonant badnwidth since you need a
> tuner
> > across the entire band for each band?
> >
> > 73 Jerry K1JOS
> >
> > -----Original Message-----
> > From: ham-antennas@ <mailto:ham-antennas%40yahoogroups.com>
> yahoogroups.com [mailto:ham-
> antennas@yahoogroup <mailto:antennas%40yahoogroups.com> s.com] On
> > Behalf Of Richard Schmuke
> > Sent: Monday, December 29, 2008 10:41 PM
> > To: ham-antennas@ <mailto:ham-antennas%40yahoogroups.com>
yahoogroups.com
> > Subject: RE: [ham-antennas] A 43 ft question??
> >
> >
> >
> > Thicker should mean a little wider resonate spot.
> >
> > Rich , KDØZZ

> >
> > Disclaimer: Any errors in spelling or facts are transmission
errors.
> >
> > From: ham-antennas@ <mailto:ham-antennas%40yahoogroups.com>
> yahoogroups.com
> > [mailto:ham-antennas@ <mailto:ham-antennas%40yahoogroups.com>
> > yahoogroups.com] On
> > Behalf Of greathounder
> > Sent: Monday, December 29, 2008 8:37 PM
> > To: ham-antennas@ <mailto:ham-antennas%40yahoogroups.com>
> yahoogroups.com
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One
> > being heavely overlaped and using the 9ft whip for the top
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> > [Non-text portions of this message have been removed]
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> [Non-text portions of this message have been removed]
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7552. Re: [ham-antennas] Re: Telescoping Multiband Omnidirectional Vertical Antenna Idea - Is it workable?

Yahoo group: ham-antennas (2008)
Date: 2008-12-30 19:03:15 UTC
From: Jim Coon
Topic: 7485 Message: 7552

The copper pipe inside the EMT will be like a tuning stub or a capacitor. It will probably work, but I'm not sure what effect it will have on tuning. You might look into feeding it at the base and putting the radials on the ground level.

kugellagers wrote:
>
> --- In ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>, "Richard Schmuke" <rdj@...>
> wrote:
> >
> > Hello John,
> >
> > Glad to hear from someone who would rather build than
> buy ,for me that is the fun part. I am not real clear on your feeding
> point for your antenna but if you are thinking about a sliding feed
> point, say a roller or a BeCu spring, you can make it work at a set
> frequency at the point of highest extension but if you lower the
> antenna from the set point that is resonate the unused part becomes a
> variable capacitor to the grounded pipe EMT it will be in . I don't
> think that will work for transmitting but I am not sure, any ideas
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> I have included a diagram in the 'Files' section. Maybe that will help
> some?
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> My reasoning behind the design is that the copper antenna inside of the
> PVC/Electrical conduit is that I hoped it would behave more as coax
> cable would as it is similar in physical desgn (although much larger)
> to coax (the metal surrounding a non-conducting material surrounding
> the signal-path conductor). At least that was the logic behind the
> idea.
>
> John
>];')
>
>

7553. Re: [ham-antennas] Re: A 43 ft question??

Yahoo group: ham-antennas (2008)
Date: 2008-12-30 22:26:09 UTC
From: greathounder@aol.com
Topic: 7525 Message: 7553

So if I understand correctly, using the 1" tube for the top, might get me a little more band width? And with the insert in the 1" section, I might be able to have a hat on the top. I've got to find my old antenna book. Do you have any suggestion of how long the rods would have to be, coming out to the sides? Thanks for all the good information...Bill...N8VWI

In a message dated 12/30/2008 1:45:37 PM Eastern Standard Time, billncolo@... writes:

Jerry, Good question, however, the answer is very dependent on the type of antenna, soil conditions, etc. One of Cebik's articles ("Antenna Bandwidth") models a dipole for various element diameters. You can download the article from his website, but the bottom-line is that dipole bandwidth nearly doubles going from #28 AWG to 1 inch diameter. On 3.5 MHz, this means that 170 KHz goes to 300 KHz. Verticals are more complicated due to the effect of ground losses, but the trend is the same. Shortened verticals are especially sensitive to element diameter, and that is when wire cages (frequently 6-12 inches in diameter) and capacitive "hats" are frequently used. For me, I usually spend most of my time dealing with take-off angles, which can make 10's of dB of difference and ground losses. I have noticed that the 43 ft verticals do a good job on 20M (where the models predict good performance)(where the models predict go the owners of these antennas are dissappointed with them on some of the other bands.
Bill N0CU

--- In _ham-antennas@ham-antennasham_ (mailto:ham-antennas@yahoogroups.com) , "Jerry Stern" <jsternmd@..j>
wrote:
>
> I would like to challenge (only for the sake of learning) the statement in
> the context we were discussing. Perhaps going from small gauge solid copper
> wire to larger gauge solid wire you would have less loss so higher Q but
> please show me a reference that will explain how a 1" diameter aluminum pole
> will have more loss than a 1.5" or even 2" diameter pole? There has to be a
> point beyond which the diameter makes essentially no difference in the
> calculations
>
> 73 Jerry

> K1JOS
>
> -----Original Message-----
> From: _ham-antennas@ham-antennasham_ (mailto:ham-antennas@yahoogroups.com)
[mailto:ham-
antennas@yahoogroupanten (mailto:antennas@yahoogroups.com)] On
> Behalf Of billncolo36
> Sent: Tuesday, December 30, 2008 9:54 AM
> To: _ham-antennas@ham-antennasham_ (mailto:ham-antennas@yahoogroups.com)
> Subject: [ham-antennas] Re: A 43 ft question??
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> probably be little/no measurable difference in loss resulting from
> the use a small diameter whip at the top. The bandwidth may be
> reduced slightly.
>
> Bill N0CU
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> --- In ham-antennas@ <mailto:ham-mailto:hamailto:ham-<WBmai>
> yahoogroups. yahoogroups.<W<jsternmd@>
> wrote:
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> > I am not sure that is a true statement since by definition the
43'
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> > is non-resonant on almost all the HF ham bands so how would the
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> > the last few feet affect the resonant badnwidth since you need a
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> >
> > 73 Jerry K1JOS
> >
> > -----Original Message-----
> > From: ham-antennas@ <mailto:ham-mailto:hamailto:ham-<WBmai>
> yahoogroups. yahoogroups
> antennas@yahoogroup <mailto:antennas%mailto:antennamai> s.com] On
> > Behalf Of Richard Schmuke

> > Sent: Monday, December 29, 2008 10:41 PM
> > To: ham-antennas@ <mailto:ham-mailto:hamailto:ham-<WBmai>
yahoogroups.yah
> > Subject: RE: [ham-antennas] A 43 ft question??
> >
> >
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> > Thicker should mean a little wider resonate spot.
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> > Disclaimer: Any errors in spelling or facts are transmission
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> >
> > From: ham-antennas@ <mailto:ham-mailto:hamailto:ham-<WBmai>
> yahoogroups.
> > [mailto:ham- [mailto:ham-<<mailto:ham-mailto:hamailto:ham-<WBmai>
> > yahoogroups. ya
> > Behalf Of greathounder
> > Sent: Monday, December 29, 2008 8:37 PM
> > To: ham-antennas@ <mailto:ham-mailto:hamailto:ham-<WBmai>
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**********One site keeps you connected to all your email: AOL Mail,
Gmail, and Yahoo Mail. Try it now.
(http://www.aol.com/?optin=new-dp&icid=aolcom40vanity&ncid=emlcntaolcom00000025)

[Non-text portions of this message have been removed]

7554. Re: A 43 ft question??

Yahoo group: ham-antennas (2008)
Date: 2008-12-30 23:18:14 UTC
From: billncolo36
Topic: 7525 Message: 7554

I'm not quite sure I understand your question. What exactly is it you are trying to do? The loss associated with the element diameter is largely an "IR" loss. However, since the current in a vertical is maximum at the base, and dimenishes (not linearly) to zero at the top, the benefit from reducing R also dimenishes to zero as you move the point of reduction from the base to the top.
Bill N0CU

--- In ham-antennas@yahoogroups.com, greathounder@... wrote:
>
>
> So if I understand correctly, using the 1" tube for the top, might get me a
> little more band width? And with the insert in the 1" section, I might be able
> to have a hat on the top. I've got to find my old antenna book. Do you have
> any suggestion of how long the rods would have to be, coming out to the
> sides? Thanks for all the good information...Bill...N8VWI
>
>
> In a message dated 12/30/2008 1:45:37 PM Eastern Standard Time,
> billncolo@... writes:
>
>
>
>
> Jerry, Good question, however, the answer is very dependent on the
> type of antenna, soil conditions, etc. One of Cebik's articles
> ("Antenna Bandwidth") models a dipole for various element diameters.
> You can download the article from his website, but the bottom-line is
> that dipole bandwidth nearly doubles going from #28 AWG to 1 inch
> diameter. On 3.5 MHz, this means that 170 KHz goes to 300 KHz.
> Verticals are more complicated due to the effect of ground losses,
> but the trend is the same. Shortened verticals are especially
> sensitive to element diameter, and that is when wire cages
> (frequently 6-12 inches in diameter) and capacitive "hats" are
> frequently used. For me, I usually spend most of my time dealing with
> take-off angles, which can make 10's of dB of difference and ground
> losses. I have noticed that the 43 ft verticals do a good job on

20M
> (where the models predict good performance)(where the models
predict go
> the owners of these antennas are dissappointed with them on some
of
> the other bands.
> Bill N0CU
>
> --- In _ham-antennas@ham-antennasham_ (mailto:ham-
antennas@yahoogroups.com) ,
> "Jerry Stern" <jsternmd@...>
> wrote:
> >
> > I would like to challenge (only for the sake of learning) the
> statement in
> > the context we were discussing. Perhaps going from small gauge
> solid copper
> > wire to larger gauge solid wire you would have less loss so
higher
> Q but
> > please show me a reference that will explain how a 1" diameter
> aluminum pole
> > will have more loss than a 1.5" or even 2" diameter pole? There
> has to be a
> > point beyond which the diameter makes essentially no difference
in
> the
> > calculations
> >
> > 73 Jerry
> > K1JOS
> >
> > -----Original Message-----
> > From: _ham-antennas@ham-antennasham_ (mailto:ham-
antennas@yahoogroups.com)
> [mailto:ham-
> _antennas@yahoogroupanten_ (mailto:antennas@yahoogroups.com)] On
> > Behalf Of billncolo36
> > Sent: Tuesday, December 30, 2008 9:54 AM
> > To: _ham-antennas@ham-antennasham_ (mailto:ham-
antennas@yahoogroups.com)
> > Subject: [ham-antennas] Re: A 43 ft question??
> >
> >
> >
> > I believe that the statement is true.
> > First, we usually try to "operate" antennas near resonance, even
if
> > it is non-resonant by itself (that is in part what tuners are
for).

> > Second, the bandwidth of an anntenna around resonance is
determined
> > by it's loaded Q. The higher the loaded Q, the more efficient
the
> > antenna is, but the bandwidth will be less. The Q will increase
as
> > the losses decrease. The losses will decrease for a vertical
will
> > decrease as the diameter of the radiator element is increased.
The
> > most reduction in loss occurs when the base diameter is
increased,
> > with almost no improvement from increasing the diameter at the
top.
> > So, I think the answer to the original question is that there
will
> > probably be little/no measurable difference in loss resulting
from
> > the use a small diameter whip at the top. The bandwidth may be
> > reduced slightly.
> >
> > Bill N0CU
> >
> > --- In ham-antennas@ <mailto:ham-mailto:hamailto:ham-<WBmai>
> > yahoogroups. yahoogroups.<W<jsternmd@>
> > wrote:
> > >
> > > I am not sure that is a true statement since by definition the
> 43'
> > vertical
> > > is non-resonant on almost all the HF ham bands so how would
the
> > thickness of
> > > the last few feet affect the resonant badnwidth since you need
a
> > tuner
> > > across the entire band for each band?
> > >
> > > 73 Jerry K1JOS
> > >
> > > -----Original Message-----
> > > From: ham-antennas@ <mailto:ham-mailto:hamailto:ham-<WBmai>
> > yahoogroups. yahoogroups
> > antennas@yahoogroup <mailto:antennas%mailto:antennamai> s.com] On
> > > Behalf Of Richard Schmuke
> > > Sent: Monday, December 29, 2008 10:41 PM
> > > To: ham-antennas@ <mailto:ham-mailto:hamailto:ham-<WBmai>
> yahoogroups.yah
> > > Subject: RE: [ham-antennas] A 43 ft question??
> > >

> > >
> > >
> > > Thicker should mean a little wider resonate spot.
> > >
> > > Rich , KDØZZ
> > >
> > > Disclaimer: Any errors in spelling or facts are transmission
> errors.
> > >
> > > From: ham-antennas@ <mailto:ham-mailto:hamailto:ham-<WBmai>
> > yahoogroups.
> > > [mailto:ham- [mailto:ham-<<mailto:ham-mailto:hamailto:ham-
<WBmai>
> > > yahoogroups. ya
> > > Behalf Of greathounder
> > > Sent: Monday, December 29, 2008 8:37 PM
> > > To: ham-antennas@ <mailto:ham-mailto:hamailto:ham-<WBmai>
> > yahoogroups.
> > > Subject: [ham-antennas] A 43 ft question??
> > >
> > > The directions on the 43ft antenna says it can be built 2
ways.
> One
> > > being heavely overlaped and using the 9ft whip for the top
> element.
> > The
> > > other way is to use less over lap and use the 1 inch tube for
the
> > top
> > > element. Is there any advantage to having a thicker top,
instead
> of
> > the
> > > whip. They say the whip is less noticeable. In this
neighborhood,
> > who
> > > cares. Thanks Bill N8VWI
> > >
> > > [Non-text portions of this message have been removed]
> > >
> > >
> > >
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> > >
> > >
> > >
> > > [Non-text portions of this message have been removed]
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> >
> >
> > [Non-text portions of this message have been removed]
> >
>
>
>
>
>
>
> **********One site keeps you connected to all your email: AOL
Mail,
> Gmail, and Yahoo Mail. Try it now.
> (http://www.aol.com/?optin=new-
dp&icid=aolcom40vanity&ncid=emlcntaolcom00000025)
>
>
> [Non-text portions of this message have been removed]
>

7555. Re: [ham-antennas] new 160m dipole project

Yahoo group: ham-antennas (2008)
Date: 2008-12-31 01:02:00 UTC
From: Its from KE4VYN
Topic: 7500 Message: 7555

Granted nothing is perfect but you say never 600 ohms after.
It is 600 ohm open wire ladder, not 450 ohm.

The coax will be short, 50 feet including 20 feet for a air choke.
Then tuned with a 'T' network tuner.

Also this antenna will be most likely a full wavelength so none of
the issues with a too short antenna. Such as a G5RV.

Lee
KE4VYN

----- Original Message -----
From: Siegfried Jackstien<mailto:siegfried.jackstien@...>
To: ham-antennas@yahoogroups.com<mailto:ham-antennas@yahoogroups.com>
Sent: Tuesday, December 30, 2008 7:34 AM
Subject: Re: [ham-antennas] new 160m dipole project

you will never have 699 ohms after your ladderline so the balun will have to handle a lot
of reactance
swr after the balun will be high and so you will have high loss on your coax
best 73ƒs de dg9bfc
----- Original Message -----
From: Its from KE4VYN
To: ham-antennas@yahoogroups.com<mailto:ham-antennas@yahoogroups.com>
Sent: Monday, December 29, 2008 11:41 PM
Subject: Re: [ham-antennas] new 160m dipole project

Hey Callum,
Long time my friend. Hope all is good in sister B'ham.

This is the balun http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=110314062973&ssPageNa
me=ADME:X:RTQ:US:1123<http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=110314062973&ssPa
geName=ADME:X:RTQ:US:1123><http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=110314062973
&ssPageName=ADME:X:RTQ:US:1123<http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=11031406
2973&ssPageName=ADME:X:RTQ:US:1123>>
I have one like it. Thing cost like 3000.00 from maker.

Anyway, the ladder will be about 70 - 80 feet long. Up a tree to the main pulley. The balun
will be mounted on the side of the house and a coax running inside thru a air choke.

What ya think?

Lee
KE4VYN

----- Original Message -----
From: Callum m0mcx<mailto:callum@...<mailto:callum%40mccormick.uk.com>>

To: ham-antennas@yahoogroups.com<mailto:ham-antennas%40yahoogroups.com><mailto:ham-antennas@yahoogroups.com<mailto:ham-antennas%40yahoogroups.com>>
Sent: Monday, December 29, 2008 2:54 PM
Subject: RE: [ham-antennas] new 160m dipole project

Lee,

If you're feeding it with ladder line via a tuner then the only reason to doubling or tripling the wire will be to strengthen it. Forget it - save the rest for another day and keep it on the reel. Regarding bandwidth, since you have a tuner - it won't matter.

Your comment doesn't mention how long the ladder line is so I can't comment about the balun too much, however I would recommend one. You will have some fiddling with impedances, but I'm sure you are already aware of this!

Cheers,

Callum McCormick

http://www.m0mcx.co.uk/<http://www.m0mcx.co.uk/><http://www.m0mcx.co.uk/<http://www.m0mcx.co.uk/>>

If I build it, you might hear me.

From: ham-antennas@yahoogroups.com<mailto:ham-antennas%40yahoogroups.com><mailto:ham-antennas%40yahoogroups.com> [mailto:ham-antennas@yahoogroups.com<mailto:ham-antennas%40yahoogroups.com><mailto:ham-antennas%40yahoogroups.com>] On
Behalf Of ke4vyn
Sent: 29 December 2008 03:48
To: ham-antennas@yahoogroups.com<mailto:ham-antennas%40yahoogroups.com><mailto:ham-antennas%40yahoogroups.com>
Subject: [ham-antennas] new 160m dipole project

The plan is for a 160m dipole 260 feet long up in the air at the 80 foot mark.

I'm going to feed it with 600 ohm true ladder line the height of the 80 feet. Then use a air choke made of 9913 coax wrapped around 6" PVC pipe to be able to run the coax into a Ameritron ATR-15.
Going to use the wire mostly on 160/75 and one of the questions is should I use a balun for this project?

I the balun I am thinking is a 600/50 4KW military air cooled that I would put at the bottom of the 600 ohm ladder line feed which is 80 feet below the feed point.

I live on a rocky hill side and will point this NE/NW from central Alabama.

Thoughts would be appreciated. I have 1000 feet of #12 copper stranded and one thought would be doubling or even tripling the wire for more band width.

Ideas?

Lee
KE4VYN

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[Non-text portions of this message have been removed]

7556. 33Ft / 43Ft Antenna

Yahoo group: ham-antennas (2008)
Date: 2008-12-31 02:24:05 UTC
From: Richard Schmuke
Topic: 7556 Message: 7556

After following the thread on the 43 Ft antenna I remember reading about a
40/20 meter vertical. I looked up the article and it was in Sept 2005 QST ,
it is also on Dan Richardson□s web site, K6MHE. He and Wes Hayward W7ZOI
came up with a way to work two bands on one antenna with no switching relays
or store bought tuner.

Rich , KDØZZ

These are the humble ramblings of an old phart and in no way should they
influence the actions of any intelligent and sane person

[Non-text portions of this message have been removed]

7557. Re: [ham-antennas] new 160m dipole project

Yahoo group: ham-antennas (2008)
Date: 2008-12-31 12:26:54 UTC
From: Siegfried Jackstien
Topic: 7500 Message: 7557

if you take a quarterwave lenght of ladderline for the lowest band the line transforms the low impedance of the dipole to a few hundred ohms ... balun is in good working condition on 80 (for a 160m dipole) feedingline is halfwave so no transforming ....
the high impedance of the fullwave dipole is present at the balun and it will work also
if you take a proper lenght of the ladderline you will have low losses on the coax after the balun
see my excelfile here in the filearea ....
it is from my fullwaveloop 168m fed with 2 different lenght of ladderline
if you do this like i did it will work fine
if you have a random lenght of ladderline (not quarterwave) the swr will be high on the output of the balun and it will have to handle a lot of reactace
after the balun the swr on the coax will be high so losses are high
i spent 4 days with cut and try cut and try etc....
but now i have a real multibandantenna with low losses
i work only barefoot 100w so i wanted an antenna where i need no tuner or where i have only a slight
mismatch .... i wanted to have as much power as i can get out of the system
okay.... if feedingline is short the losses will be not to high but you can perform better if you don´t need a tuner.....
best wishes to 2009
73´s de dg9bfc
----- Original Message -----
From: Its from KE4VYN
To: ham-antennas@yahoogroups.com
Sent: Wednesday, December 31, 2008 2:02 AM
Subject: Re: [ham-antennas] new 160m dipole project

Granted nothing is perfect but you say never 600 ohms after.
It is 600 ohm open wire ladder, not 450 ohm.

The coax will be short, 50 feet including 20 feet for a air choke.
Then tuned with a 'T' network tuner.

Also this antenna will be most likely a full wavelength so none of
the issues with a too short antenna. Such as a G5RV.

Lee
KE4VYN

----- Original Message -----
From: Siegfried Jackstien<mailto:siegfried.jackstien@...>
To: ham-antennas@yahoogroups.com<mailto:ham-antennas@yahoogroups.com>
Sent: Tuesday, December 30, 2008 7:34 AM
Subject: Re: [ham-antennas] new 160m dipole project

you will never have 699 ohms after your ladderline so the balun will have to handle a lot of reactance
swr after the balun will be high and so you will have high loss on your coax
best 73ß s de dg9bfc
----- Original Message -----
From: Its from KE4VYN
To: ham-antennas@yahoogroups.com<mailto:ham-antennas@yahoogroups.com>
Sent: Monday, December 29, 2008 11:41 PM
Subject: Re: [ham-antennas] new 160m dipole project

Hey Callum,
Long time my friend. Hope all is good in sister B'ham.

This is the balun http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=110314062973&ssPageName=ADME:X:RTQ:US:1123<http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=110314062973&ssPageName=ADME:X:RTQ:US:1123><http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=110314062973&ssPageName=ADME:X:RTQ:US:1123<http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=110314062973&ssPageName=ADME:X:RTQ:US:1123>>
I have one like it. Thing cost like 3000.00 from maker.

Anyway, the ladder will be about 70 - 80 feet long. Up a tree to the main pulley. The balun will be mounted on the side of the house and a coax running inside thru a air choke.

What ya think?

Lee
KE4VYN

----- Original Message -----
From: Callum m0mcx<mailto:callum@...<mailto:callum%40mccormick.uk.com>>
To: ham-antennas@yahoogroups.com<mailto:ham-antennas%40yahoogroups.com><mailto:ham-antennas@yahoogroups.com<mailto:ham-antennas%40yahoogroups.com>>
Sent: Monday, December 29, 2008 2:54 PM
Subject: RE: [ham-antennas] new 160m dipole project

Lee,

If you're feeding it with ladder line via a tuner then the only reason to doubling or tripling the wire will be to strengthen it. Forget it - save the rest for another day and keep it on the reel. Regarding bandwidth, since you have a tuner - it won't matter.

Your comment doesn't mention how long the ladder line is so I can't comment about the balun too much, however I would recommend one. You will have some fiddling with impedances, but I'm sure you are already aware of this!

Cheers,

Callum McCormick

http://www.m0mcx.co.uk/<http://www.m0mcx.co.uk/><http://www.m0mcx.co.uk/<http://www.m0mcx.co.uk/>>

If I build it, you might hear me.

From: ham-antennas@yahoogroups.com<mailto:ham-antennas%40yahoogroups.com><mailto:ham-antennas%40yahoogroups.com> [mailto:ham-antennas@yahoogroups.com<mailto:ham-antennas%40yahoogroups.com><mailto:ham-antennas%40yahoogroups.com>] On
Behalf Of ke4vyn
Sent: 29 December 2008 03:48
To: ham-antennas@yahoogroups.com<mailto:ham-antennas%40yahoogroups.com><mailto:ham-antennas%40yahoogroups.com>
Subject: [ham-antennas] new 160m dipole project

The plan is for a 160m dipole 260 feet long up in the air at the 80
foot mark.

I'm going to feed it with 600 ohm true ladder line the height of the
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pipe to be able to run the coax into a Ameritron ATR-15.
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should I use a balun for this project?

I the balun I am thinking is a 600/50 4KW military air cooled that I
would put at the bottom of the 600 ohm ladder line feed which is 80
feet below the feed point.

I live on a rocky hill side and will point this NE/NW from central
Alabama.

Thoughts would be appreciated. I have 1000 feet of #12 copper
stranded and one thought would be doubling or even tripling the wire
for more band width.

Ideas?

Lee
KE4VYN

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[Non-text portions of this message have been removed]

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[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

7558. Re: [ham-antennas] new 160m dipole project

Yahoo group: ham-antennas (2008)
Date: 2008-12-31 22:01:32 UTC
From: Its from KE4VYN
Topic: 7500 Message: 7558

I wonder, should I use the analyzer before the balun or after? If after no issue, just plug it in. Before I will have to make a ladder to coax adapter.

Thoughts?

Lee
KE4VYN

----- Original Message -----
From: Siegfried Jackstien<mailto:siegfried.jackstien@...>
To: ham-antennas@yahoogroups.com<mailto:ham-antennas@yahoogroups.com>
Sent: Wednesday, December 31, 2008 6:26 AM
Subject: Re: [ham-antennas] new 160m dipole project

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it is from my fullwaveloop 168m fed with 2 different lenght of ladderline
if you do this like i did it will work fine
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but now i have a real multibandantenna with low losses
i work only barefoot 100w so i wanted an antenna where i need no tuner or where i have only a slight
mismatch .... i wanted to have as much power as i can get out of the system
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best wishes to 2009
73´s de dg9bfc
----- Original Message -----
From: Its from KE4VYN
To: ham-antennas@yahoogroups.com<mailto:ham-antennas%40yahoogroups.com>
Sent: Wednesday, December 31, 2008 2:02 AM
Subject: Re: [ham-antennas] new 160m dipole project

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It is 600 ohm open wire ladder, not 450 ohm.

The coax will be short, 50 feet including 20 feet for a air choke.
Then tuned with a 'T' network tuner.

Also this antenna will be most likely a full wavelength so none of
the issues with a too short antenna. Such as a G5RV.

Lee
KE4VYN

----- Original Message -----
From: Siegfried
Jackstien<mailto:siegfried.jackstien@...<mailto:siegfried.jackstien%40freenet.de>>
To: ham-antennas@yahoogroups.com<mailto:ham-antennas%40yahoogroups.com><mailto:ham-antenna
s@yahoogroups.com<mailto:ham-antennas%40yahoogroups.com>>
Sent: Tuesday, December 30, 2008 7:34 AM
Subject: Re: [ham-antennas] new 160m dipole project

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of reactance
swr after the balun will be high and so you will have high loss on your coax
best 73ƺs de dg9bfc
----- Original Message -----
From: Its from KE4VYN
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geName=ADME:X:RTQ:US:1123><http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=110314062973
&ssPageName=ADME:X:RTQ:US:1123<http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=11031406
2973&ssPageName=ADME:X:RTQ:US:1123>><http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=11
0314062973&ssPageName=ADME:X:RTQ:US:1123<http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&ite
m=110314062973&ssPageName=ADME:X:RTQ:US:1123><http://cgi.ebay.com/ws/eBayISAPI.dll?ViewIte
m&item=110314062973&ssPageName=ADME:X:RTQ:US:1123<http://cgi.ebay.com/ws/eBayISAPI.dll?Vie
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Lee
KE4VYN

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.com><mailto:ham-antennas%40yahoogroups.com>>

Sent: Monday, December 29, 2008 2:54 PM
Subject: RE: [ham-antennas] new 160m dipole project

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Cheers,

Callum McCormick

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If I build it, you might hear me.

From: ham-antennas@yahoogroups.com<mailto:ham-antennas%40yahoogroups.com><mailto:ham-antennas%40yahoogroups.com><mailto:ham-antennas%40yahoogroups.com> [mailto:ham-antennas@yahoogroups.com<mailto:ham-antennas%40yahoogroups.com><mailto:ham-antennas%40yahoogroups.com><mailto:ham-antennas%40yahoogroups.com>] On
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Subject: [ham-antennas] new 160m dipole project

The plan is for a 160m dipole 260 feet long up in the air at the 80 foot mark.

I'm going to feed it with 600 ohm true ladder line the height of the 80 feet. Then use a air choke made of 9913 coax wrapped around 6" PVC pipe to be able to run the coax into a Ameritron ATR-15.
Going to use the wire mostly on 160/75 and one of the questions is should I use a balun for this project?

I the balun I am thinking is a 600/50 4KW military air cooled that I would put at the bottom of the 600 ohm ladder line feed which is 80 feet below the feed point.

I live on a rocky hill side and will point this NE/NW from central Alabama.

Thoughts would be appreciated. I have 1000 feet of #12 copper stranded and one thought would be doubling or even tripling the wire for more band width.

Ideas?

Lee
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